STR-DA7100ES

SERVICE MANUAL

Ver. 1.3 2005.12

US Model
Canadian Model
AEP Model
Taiwan Model
Korean Model
Chinese Model



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

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

** Manufactured under license from Digital Theater Systems, Inc. U.S. Pat. No's. 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535 and other U.S. and world-wide patents issued and pending.
"DTS", "DTS-ES", "Neo:6", and "DTS 96/24" are trademarks of Digital Theater Systems, Inc.
Copyright 1996, 2003 Digital Theater Systems, Inc. All Rights Reserved.

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 170 watts per channel minimum RMS power, with no more than 0.15% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Models of area code US, CND, TW:

POWER OUTPUT

Rated Power Output at Stereo Mode[1)]
(8 ohms 20 Hz – 20 kHz, THD 0.15%):
170 W + 170 W

Reference Power Output at Stereo Mode
(4 ohms 20 Hz – 20 kHz, THD 0.15%):
170 W + 170 W

Reference Power Output
(8 ohms 20 Hz – 20 kHz, THD 0.15%)
FRONT[2)]: 170 W + 170 W
CENTER[2)]: 170 W
SURR[2)]: 170 W + 170 W
SURR BACK[2)]: 170 W + 170 W

Reference Power Output
(4 ohms 20 Hz – 20 kHz, THD 0.15%)
FRONT[2)]: 170 W + 170 W
CENTER[2)]: 170 W
SURR[2)]: 170 W + 170 W
SURR BACK[2)]: 170 W + 170 W

Models of area code AEP, KR, CH:

POWER OUTPUT

Rated Power Output in Stereo Mode[1)]
(8 ohms 1 kHz, THD 0.7%):
170 W + 170 W

Reference Power Output in Stereo Mode
(4 ohms 1 kHz, THD 0.7%):
170 W + 170 W

Reference Power Output
(8 ohms 1 kHz, THD 0.7%):
FRONT[2)]: 170 W + 170 W
CENTER[2)]: 170 W
SURR[2)]: 170 W + 170 W
SURR BACK[2)]: 170 W + 170 W

– Continued on next page –

FM STEREO FM/AM RECEIVER

9-879-764-04
2005L05-1
© 2005.12

Sony Corporation
Home Audio Division
Published by Sony Engineering Corporation

SONY

Reference Power Output
(4 ohms 1 kHz, THD 0.7%):
FRONT[2)]: 170 W + 170 W
CENTER[2)]: 170 W
SURR[2)]: 170 W + 170 W
SURR BACK[2)]: 170 W + 170 W

[1)]Depending on the sound field settings and the source, there may be no sound output.
[2)]Measured under the following conditions:

Area code	Power requirements
US, CND	120 V AC, 60 Hz
TW	110 V AC, 60 Hz
AEP	230 V AC, 50/60 Hz
KR	230 V AC, 60 Hz
CH	230 V AC, 50 Hz

Frequency response

PHONO	RIAA equalization curve ± 0.5 dB
Power Amp Block	10 Hz – 50 kHz ± 3 dB (8 ohms)

Inputs (Analog)

PHONO	Sensitivity: 2.5mV Impedance: 50kohms S/N: 86dB (A, 20 kHz LPF)
MULTI CHANNEL INPUT1/2, SA-CD/CD, TAPE, MD/DAT, DVD, TV/SAT, VIDEO1/2/3	Sensitivity: 150mV Impedance: 50kohms S/N: 96dB (A, 20 kHz LPF)

Inputs (Digital)

SA-CD/CD, DVD (Coaxial)	Impedance: 75ohms S/N: 96dB (A, 20 kHz LPF)
SA-CD/CD, DVD, TV/SAT, MD/DAT, VIDEO 3 (Optical)	S/N: 96 dB (A, 20 kHz LPF)

Outputs

TAPE, MD/DAT (REC OUT), VIDEO1/2 (AUDIO OUT)	Voltage:150mV Impedance: 10kohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2V Impedance: 1kohms

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
Usable 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

AM tuner section

Tuning range
Models of area code US, CND:
530 – 1,710 kHz[3)]
(With 10-kHz tuning scale)
531 – 1,710 kHz[3)]
(With 9-kHz tuning scale)
Models of other area codes:
531 – 1,602 kHz
(With 9-kHz tuning scale)

Antenna	Loop antenna
Usable sensitivity	50 dB µ/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

[3)]You can change the AM tuning scale to either 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 (When PROGRESSIVE OUT is set to "OFF")

i.LINK section

Pin	4 pins
Transmission speed	S200 (Maximum data transmission speed 200 Mbps)
Transmission protocol	A/M transmission protocol
Format (input)	Super Audio CD* (DSD PLAIN) 2 channel linear PCM (IEC-60958-3) Sampling frequency: 44.1 kHz

* Conforms to the copy protection technology of DTLA (Revision 1.3).

General

Power requirements

Area code	Power requirements
US, CND	120 V AC, 60 Hz
AEP	230 V AC, 50/60 Hz
TW	110 V AC, 60 Hz
KR	220 V AC, 60 Hz
CH	220 V AC, 50 Hz

Power consumption

Area code	Power consumption
US, AEP, TW, KR, CH	250 W
CND	300 VA

Power consumption (during standby mode) 1 W

AC outlets

Area code	AC outlets
US, CND	2 switched, 120 W/1A MAX
AEP	1 switched, 100 W MAX
TW, KR, CH	– (no AC outlet)

Dimensions	430 × 175 × 470 mm (17 × 7 × 18 $^5/_8$ in.) including projecting parts and controls
Mass (Approx.)	23.5 kg (51 lb. 13 oz.)

Supplied accessories

FM wire antenna (1)
AM loop antenna (1)
AC power cord (1)
Remote commander RM-AAE003 (1)
LR6 (size-AA) batteries (3)
Remote commander RM-US106A (1)
R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  TW : Taiwan model

关于安全相关零部件的警告

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所表示的零部件，对于安全操作至关重要。更换时，必须依据本手册或索尼公司追加发行的手册中列明的零件号，使用索尼公司的零件进行。

SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ 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.

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)

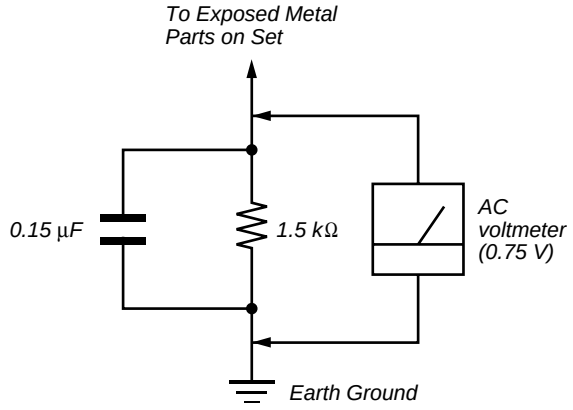


Fig. A. Using an AC voltmeter to check AC leakage.

TABLE OF CONTENTS

1. SERVICING NOTES 5

2. GENERAL 13

3. DISASSEMBLY

3-1. Disassembly Flow 18
3-2. Case 18
3-3. Front Panel Assy 19
3-4. Bottom Plate 20
3-5. D-AMP Board Block 20
3-6. DC Fan Block 21
3-7. Back Panel Block 21
3-8. Mother COM Board 22

4. TEST MODE 23

5. ELECTRICAL ADJUSTMENTS 27

6. DIAGRAMS

6-1. Block Diagram – Audio Input Section – 61
6-2. Block Diagram – Control Section – 62
6-3. Block Diagram – i.LINK Section – 63
6-4. Block Diagram – DSP Section – 64
6-5. Block Diagram – Digital Audio Section – 65
6-6. Block Diagram – Audio Output Section – 66
6-7. Block Diagram – Power AMP Section – 67
6-8. Block Diagram – SUB Section – 68
6-9. Block Diagram – Video Input Section – 69
6-10. Block Diagram – CIS Display Section – 70
6-11. Block Diagram – HDMI Receiver Section – 71
6-12. Block Diagram – HDMI Trasceiver Section – 72
6-13. Block Diagram – Power Supply Section – 73
6-14. Printed Wiring Board – Digital Board (Component Side) – 74
6-15. Printed Wiring Board – Digital Board (Conductor Side) – 75
6-16. Schematic Diagram – Digital Board (1/8) – 76
6-17. Schematic Diagram – Digital Board (2/8) – 77
6-18. Schematic Diagram – Digital Board (3/8) – 78
6-19. Schematic Diagram – Digital Board (4/8) – 79
6-20. Schematic Diagram – Digital Board (5/8) – 80
6-21. Schematic Diagram – Digital Board (6/8) – 81
6-22. Schematic Diagram – Digital Board (7/8) – 82
6-23. Schematic Diagram – Digital Board (8/8) – 83
6-24. Printed Wiring Board – DSP Board – 84
6-25. Schematic Diagram – DSP Board – 85
6-26. Printed Wiring Board – Analog Board (Component Side) – 86
6-27. Printed Wiring Board – Analog Board (Conductor Side) – 87
6-28. Schematic Diagram – Analog Board (1/4) – 88
6-29. Schematic Diagram – Analog Board (2/4) – 89
6-30. Schematic Diagram – Analog Board (3/4) – 90
6-31. Schematic Diagram – Analog Board (4/4) – 91
6-32. Schematic Diagram – Ilink Section (1/10) – 92
6-33. Schematic Diagram – Ilink Section (2/10) – 93
6-34. Schematic Diagram – Ilink Section (3/10) – 94
6-35. Schematic Diagram – Ilink Section Board (4/10) – 95
6-36. Schematic Diagram – Ilink Section (5/10) – 96
6-37. Schematic Diagram – Ilink Section (6/10) – 97
6-38. Schematic Diagram – Ilink Section (7/10) – 98
6-39. Schematic Diagram – Ilink Section (8/10)– 99
6-40. Schematic Diagram – Ilink Section (9/10) – 100
6-41. Schematic Diagram – Ilink Section (10/10) – 101
6-42. Printed Wiring Board – Ilink Board (Component Side) – 102
6-43. Printed Wiring Board – ILINK Board (Conductor Side) – 103
6-44. Printed Wiring Board – Conect Boards – 104
6-45. Schematic Diagram – Video Board (1/3) – 105
6-46. Schematic Diagram – Video Board (2/3) – 106
6-47. Schematic Diagram – Video Board (3/3) – 107
6-48. Printed Wiring Board – Video Board (Component Side) – 108
6-49. Printed Wiring Board – Video Board (Conductor Side) – 109
6-50. Printed Wiring Board – S-video Board (Component Side) – 110
6-51. PPrinted Wiring Board – S-video Board (Conductor Side) – 111
6-52. Printed Wiring Board – Video3 Board – 112
6-53. Schematic Diagram – S-video Section – 113
6-54. Printed Wiring Board – Mother COM Board (Component Side) – 114
6-55. Printed Wiring Board – Mother COM Board (Conductor Side) – 115
6-56. Schematic Diagram – Mother COM Board (1/3) – 116
6-57. Schematic Diagram – Mother COM Board (2/3) – 117
6-58. Schematic Diagram – Mother COM Board (3/3) – 118
6-59. Printed Wiring Board – D-AMP Board (Component Side) – 119
6-60. Printed Wiring Board – D-AMP Board (Conductor Side) – 120
6-61. Schematic Diagram – D-AMP Board (1/4) – 121
6-62. Schematic Diagram – D-AMP Board (2/4) – 122
6-63. Schematic Diagram – D-AMP Board (3/4) – 123
6-64. Schematic Diagram – D-AMP Board (4/4) – 124
6-65. Printed Wiring Board – Filter-l Boards – 125
6-66. Schematic Diagram – Filter-l Board – 126
6-67. Printed Wiring Board – Filter-R Boards – 127
6-68. Schematic Diagram – Filter-R Board – 128
6-69. Printed Wiring Board – SP-Term COM Board (Component Side) – 129
6-70. Printed Wiring Board – SP-Term Com Board (Conductor Side) – 130
6-71. Schematic Diagram – SP-Term COM Board (1/3) – ... 131
6-72. Schematic Diagram – SP-Term COM Board (2/3) – ... 132
6-73. Schematic Diagram – SP-Term COM Board (3/3) – ... 133
6-74. Printed Wiring Board – CIS Board (Component Side) – 134
6-75. Printed Wiring Board – CIS Board (Conductor Side) – 135
6-76. Schematic Diagram – CIS Board – 136
6-77. Printed Wiring Board – FL Board – 137
6-78. Schematic Diagram – FL Board – 138
6-79. Printed Wiring Board – Panel Section – 139
6-80. Schematic Diagram – Panel Section – 140
6-81. Printed Wiring Board – Regulator Sections – 141
6-82. Schematic Diagram – Regulator Sections – 142
6-83. Printed Wiring Board – DC DIF Board – 143
6-84. Schematic Diagram – DC DIF Boards – 144
6-85. Printed Wiring Board – AC DIF Section – 145
6-86. Schematic Diagram – AC DIF Section – 146

7. EXPLODED VIEWS

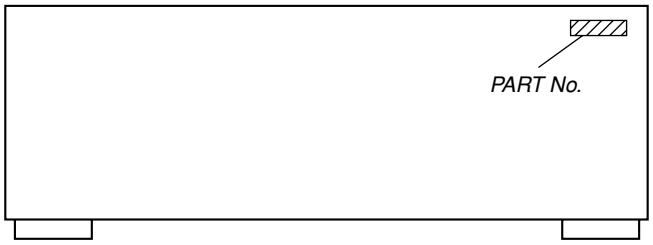
7-1. Cover Section 165
7-2. Front Panel Section-1 166
7-3. Front Panel Section-2 167
7-4. Chassis Section-1 168
7-5. Chassis Section-2 169
7-6. Chassis Section-3 170

8. ELECTRICAL PARTS LIST 171

SECTION 1
SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –



Model	PART No.
US and Canadian models	2-048-957-1□
AEP model	2-048-957-2□
Korean model	2-048-957-3□
Taiwan model	2-048-957-4□
Chinese model	2-048-957-5□

UNLEADED SOLDER

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

: LEAD FREE MARK

Unleaded solder has the following characteristics.

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

NOTE WHEN MEASURING THE VOLTAGE OF THE CIRCUITS THAT USE VIRTUAL GROUND

This set contains the circuits that take grounding not from usual ground but from virtual ground.
When measuring circuits in the D-AM and TERM COM boards and the circuits in MOTHER COM and DC DIF boards that take “VIRTUAL GND” or “V-GND” as a ground, take grounding from CN3804 pin ② of the MOTHER COM board.

NOTES ON REPLACEMENT OF ILINK BOARD

New part of flash memory (IC3001) on the ILINK board cannot be used.
Therefore, if the mounted ILINK board is replaced, exchange new flash memory (IC3001) with that used before the replacement.

NOTE OF HANDLING THE ILINK BOARD (Part No. A-1126-993-A)

When the ILINK board is replaced by a repair for a fee, throw away the ILINK board after obtaining consent of not returning of the ILINK board to the customer. When throwing away the ILINK board, be sure to throw away after destroying IC3205 and IC3208 physically with the hammer etc.

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.

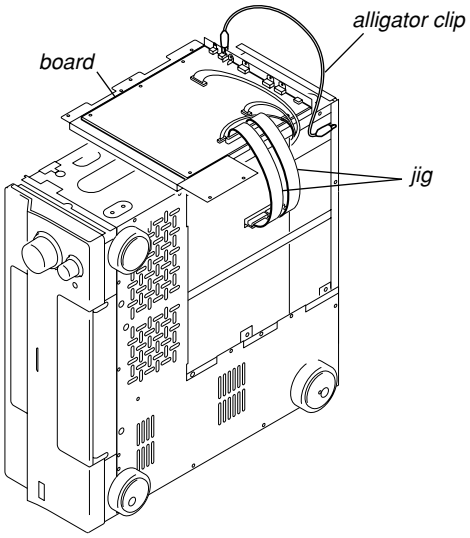
messages	check code	cause and response
DECODE ERROR	01	Appears when the signal which the receiver can not decode (example DTS-CD) is input when “DEC. PRI.” in the CUSTOMIZE menu is set to “PCM”. Set to “AUTO”.
PROTECTOR	11	Irregular current output to the speakers. Turn off the receiver and check the speaker connection. Then turn on the power again. Be comes this display, When short current flowed with breakage of the power MOS, or when detection resistor becomes open in connection with it.
PROTECTOR	12	The amplifier section is overheated. Turn off the receiver and check that the ventilation hole is not covered. Leave the receiver for a while and turn on the power again.
PROTECTOR	13	The power supply section is overheated. Turn off the receiver and check that the ventilation hole is not covered. leave the receiver for a while and turn on the power again.
PROTECTOR	14	Turn off the receiver, check the central core of a speaker cord is not touching te receiver of other speakers, and turn on again.
PROTECTOR	21	DC between speaker terminal is detected (abnormalities such as DSD 0DATA and signal clip can be considered). Turn off the receiver and check the speaker connection. Then turn on the power again.
PROHIBITED	71	The receiver cannot output the sound due to the copyright protection.
UNKNOWN SIGNAL	72	The receiver is not compatible with the format of the input signal.
BUSFULL	73	Since the i.LINK bus is busy with other connected component's output signals, audio signals cannot be connected. Stop sending output signals from connected components (Turn off the component or prress the STOP button etc.). Press i.LINK on the receiver, then select the player again.
LOOP CONNECT	74	i.LINK connection is caught in a loop. Check the connection.

OPERATION CHECK OF BOARDS ON THE MOTHER COM BOARD

The boards connected to the MOTHER COM board via the connectors can be operated using the jig with the boards disconnected from the MOTHER COM board.
In such a case, for the board with the bracket (back panel), remove the board together with teh bracket from the MOTHER COM board, and connect the bracket to the chassis using a cable attached with alligator clips for GND connection.

Board	Ref. No. of connector		Pitch/Pin	Part No. of jig
	Each board	MOTHER COM board		
DIGITAL board	CN2003 CN2011 CN2012	CN2006 CNS805 CN2004	1.25 mm/21 pin 1.25 mm/20 pin 1.25 mm/18 pin	J-2501-208-A J-2501-260-A J-2501-259-A
ILINK board	CN3003 CN3004	CN5207 CN5208	1.25 mm/20 pin 1.25 mm/16 pin	J-2501-260-A J-2501-258-A
D-AMP board	CN1403 CN1406 CN1410 CN1411	CN5216 CN5215 CN1412 CN1413	1.25 mm/6 pin 1.25 mm/6 pin 1.25 mm/8 pin 1.25 mm/12 pin	J-2501-261-A J-2501-261-A J-2501-275-A J-2501-276-A

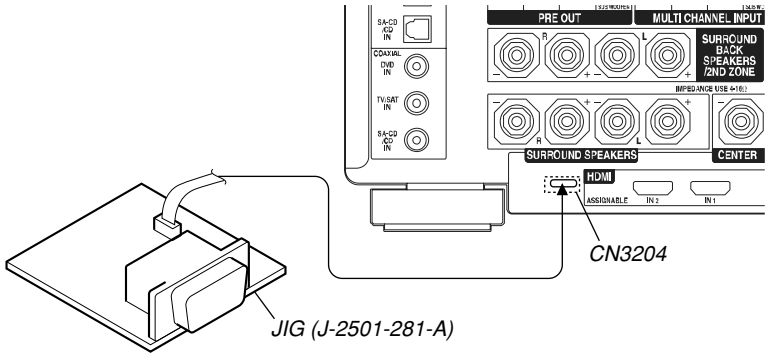
Example of Connection



UPDATE OF SOFTWARE OF THE HDMI CONTROLLER (IC3209)

Perform operation of the following when the update of software of the HDMI controller (IC3209) is necessary.

Connect:

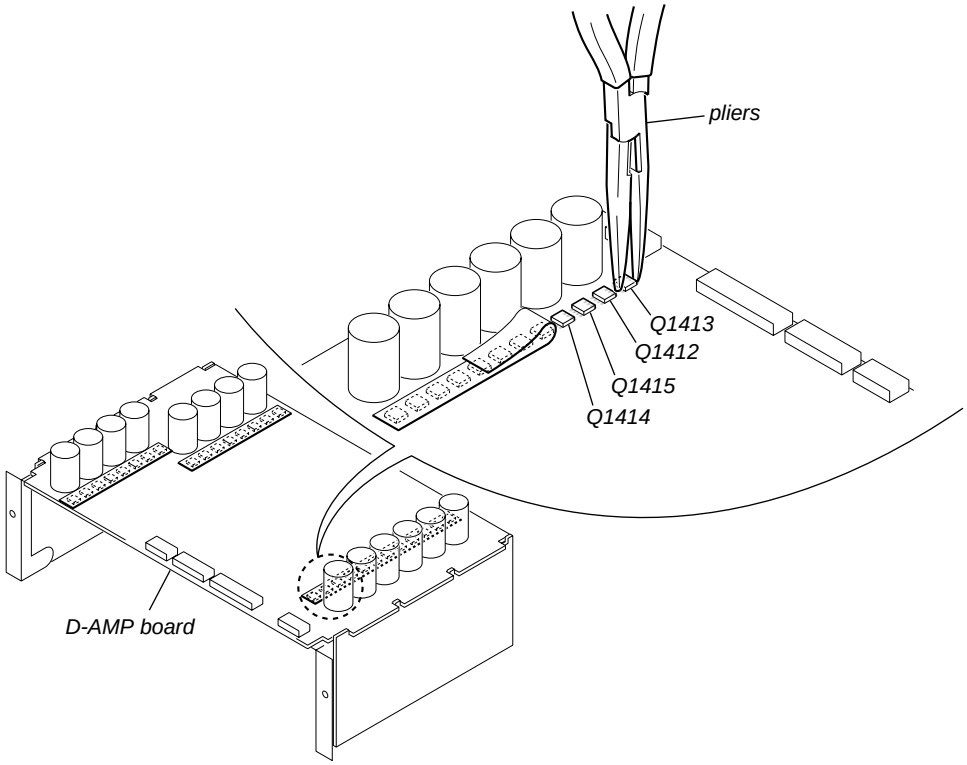


Procedure:

1. Connect CN3204 on the ILINK board and PC by using jig (Part No. : J-2501-281-A)
2. Boot the “Upgrade3” of update application distributed with the manual.
3. Select the item of “COM PORT No” and “V-BAUD RATE”.
4. Click the “FILE SELECT” and select the file that wants to be updated.
5. “Update Information” is displayed, and update by clicking “START”.
6. When the update ends, the set is initialized.

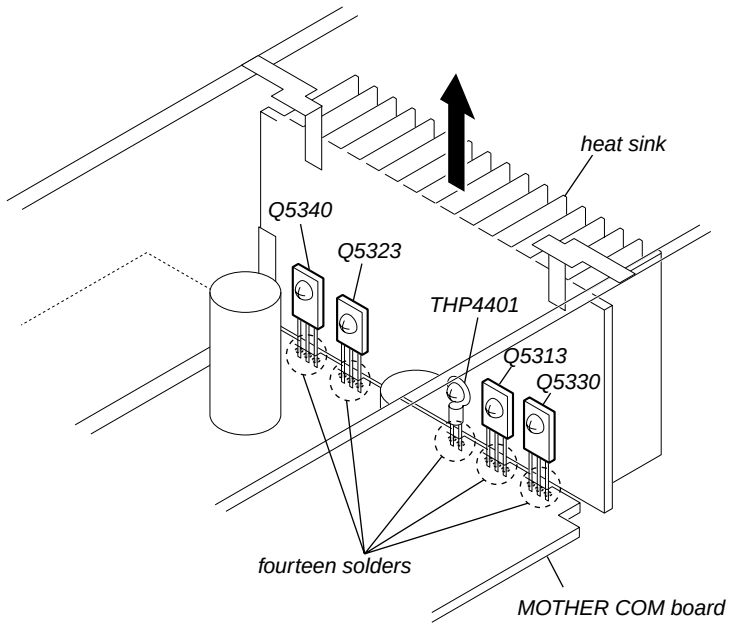
NOTE WHEN REPLACING THE POWER MOS ON THE D-AMP BOARD

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main body with pliers, etc. and wipe off debris, and then mount new parts.



NOTE WHEN REPLACING REGULATORS ON THE MOTHER COM BOARD

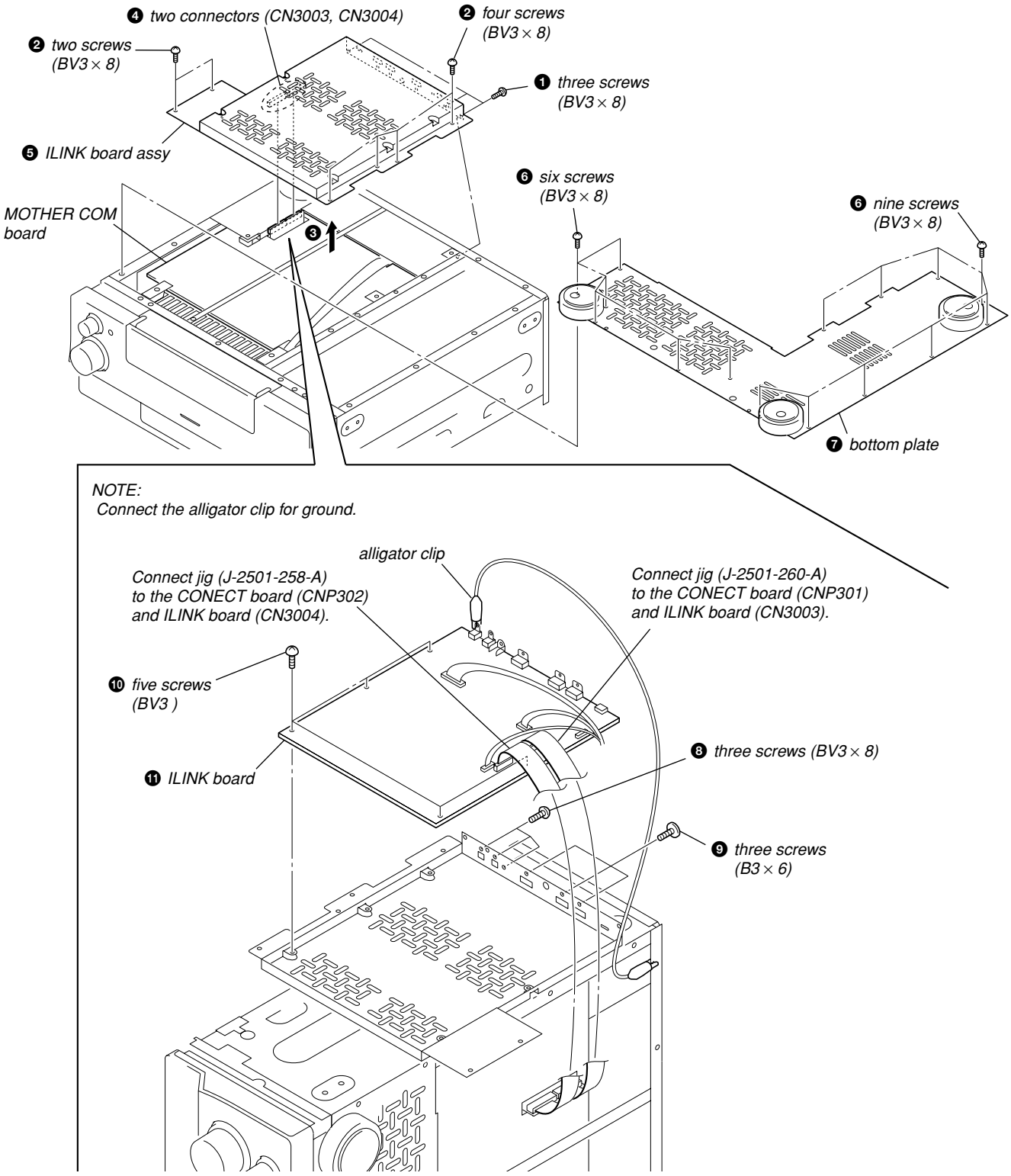
When replacing the regulators (Q5313, 5323, 5330, 5340) and thermistor (THP4401) on the MOTHER COM board, unsolder all these parts, and then remove them together with the heat sink, and remove screws and replace respective parts.



Note: Follow the disassembly procedure in the numerical order giver

SERVICE POSITION OF THE ILINK BOARD AND THE MOTHER COM BOARD

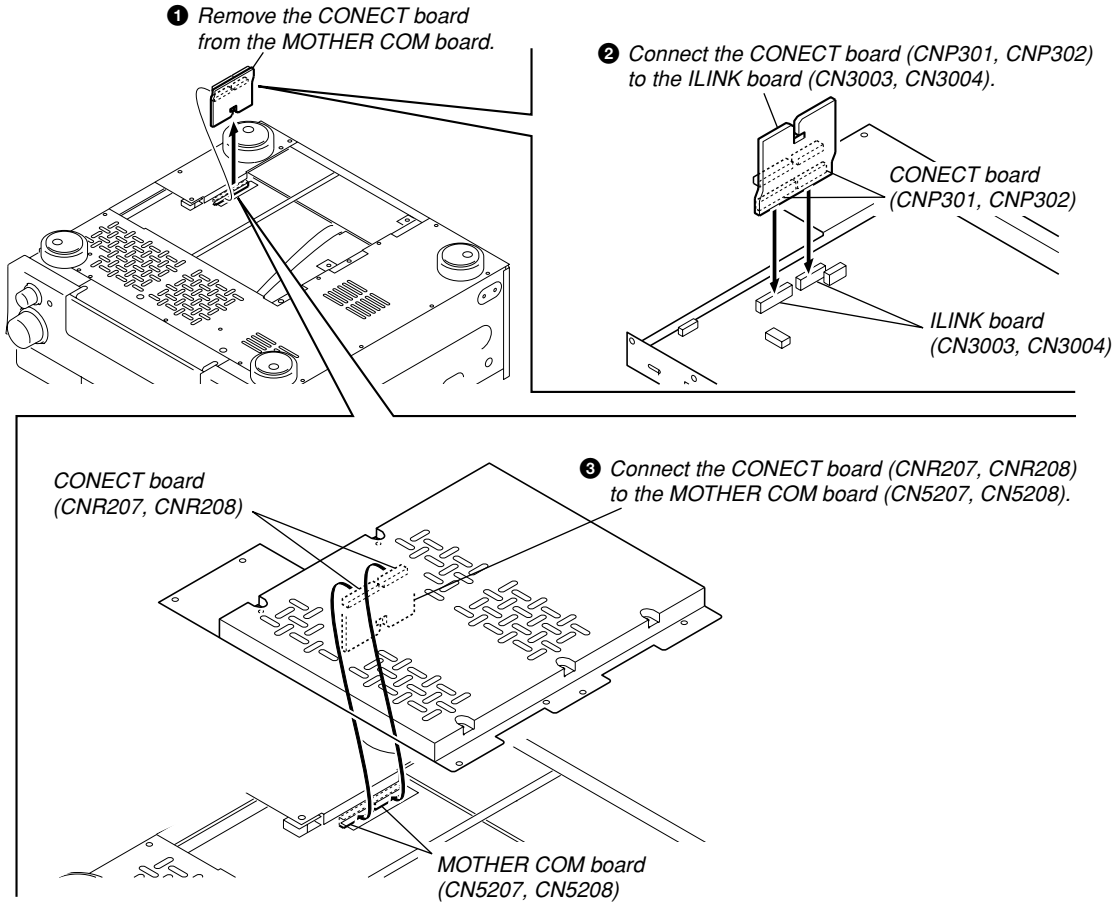
– BOTTOM VIEW –



NOTE WHEN INSTALLING THE ILINK BOARD

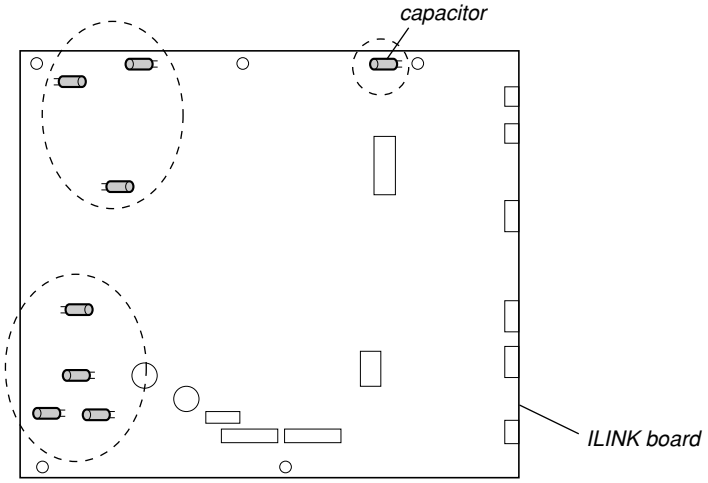
– BOTTOM VIEW –

NOTE: Assemble it after CONECT board is removed from MOTHER COM board once, and it connects it with ILINK board when you remove ILINK board from the set for some repairs.
The purpose of this is to prevent the bad connection of the connector of CONECT board (CNP301, CNP302) and ILINK board (CN3003, CN3004).

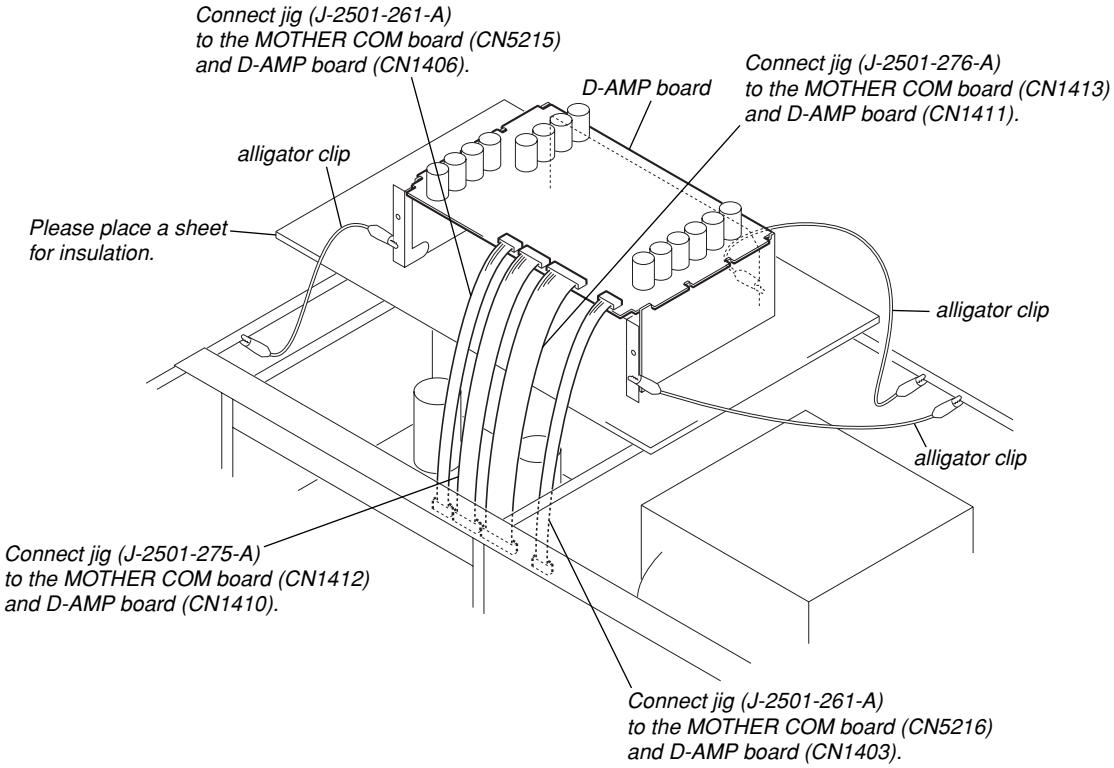


Bend of Capacitors

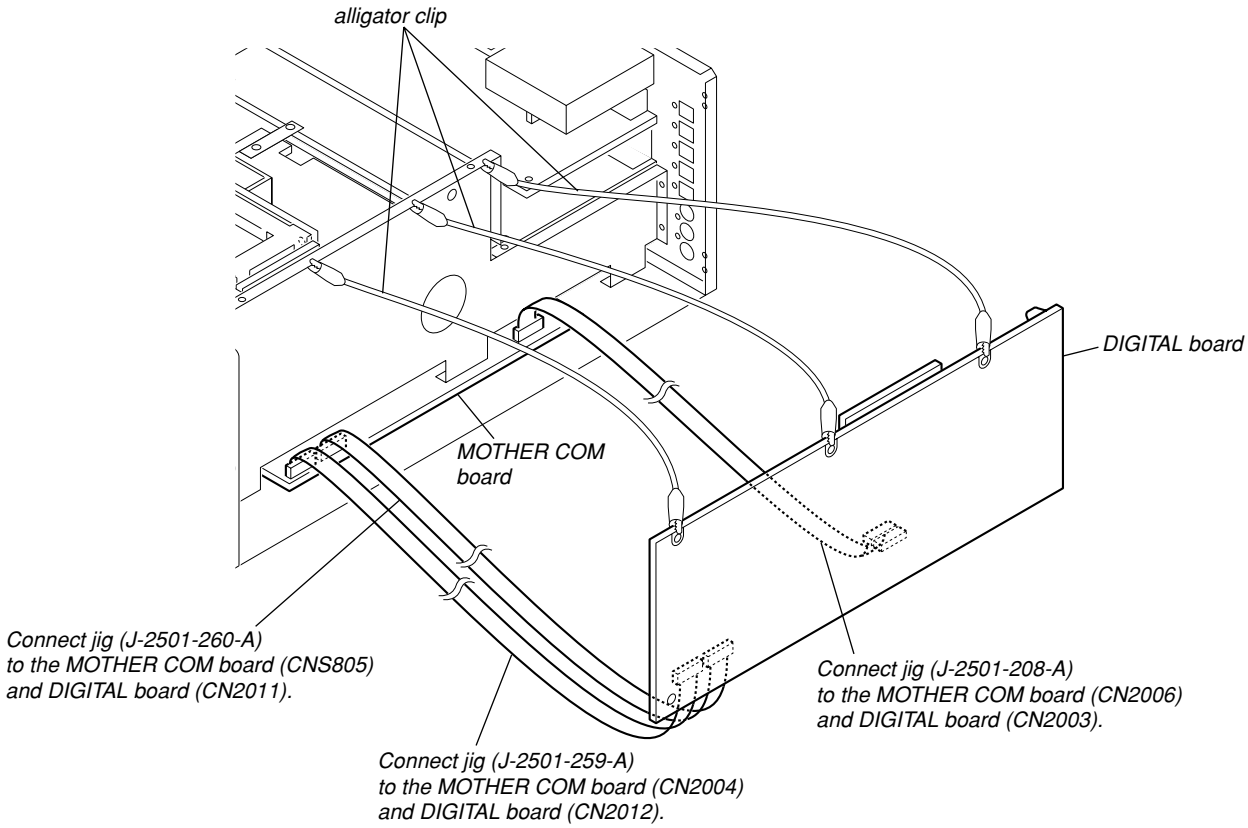
NOTE: Before assembling the ILINK board. bend each capacitor so that capacitors should not come in contact with the mother board.



SERVICE POSITION OF THE D-AMP BOARD

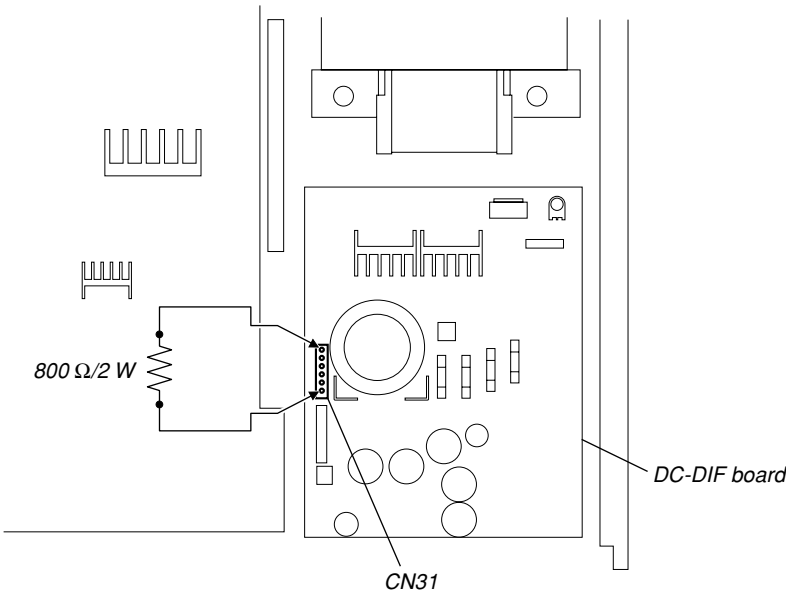


SERVICE POSITION OF THE DIGITAL BOARD



Discharging the Capacitor

Short-circuit between the positive and the negative terminals of charged capacitor.

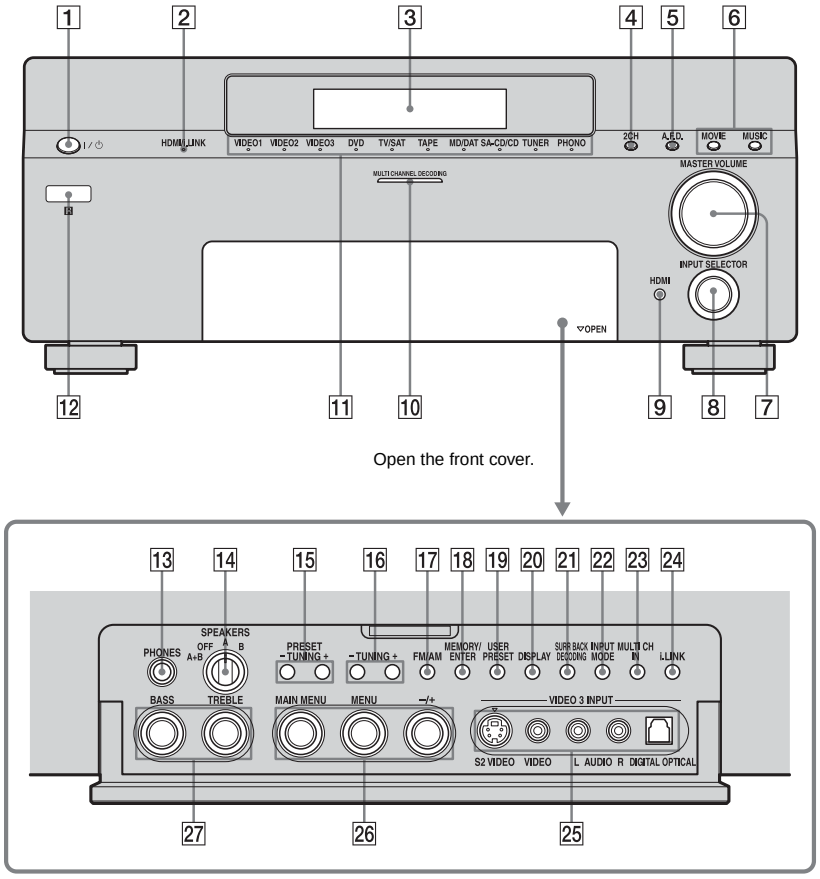


SECTION 2
GENERAL

This section is extracted from instruction manual.

LOCATION OF CONTROLS

Front panel

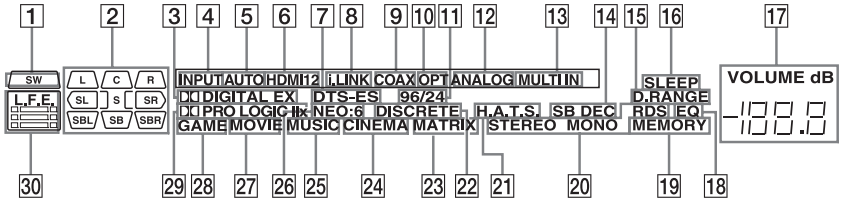


Name	Function
1 **I/⏻**	Press to turn the receiver on or off.
2 **HDMI/i.LINK lamp**	Lights up in green when HDMI, in blue when i.LINK is selected as a input source to playback.
3 **Display window**	The current status of the selected component or a list of selectable items appears here.
4 **2CH**	Press to select 2CH STEREO mode.
5 **A.F.D.**	Press to select A.F.D. mode.
6 **MOVIE, MUSIC**	Press to select sound fields (MOVIE, MUSIC).
7 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time.
8 **INPUT SELECTOR**	Turn to select the input source to play back.
9 **HDMI**	Press to select input of the component connected to HDMI jack.

Name	Function
10 **MULTI CHANNEL DECODING lamp**	Lights up when multi channel audio is decoded.
11 **Input lamps**	The lamp of the input source chosen lights up.
12 **Remote receiver**	Receives signals from remote commander.
13 **PHONES jack**	Connects to a headphone.
14 **SPEAKERS switch**	Switch to OFF, A+B, A, B of the front speakers.
15 **PRESET TUNING+/–**	Press to select a preset number.
16 **TUNING+/–**	Press to scan a station.
17 **FM/AM**	Press to select “FM” or “AM”.
18 **MEMORY/ ENTER**	Press to store a station or enter the selection when selecting the settings.
19 **USER PRESET**	Press to store the adjusted sound field settings, etc.

Name	Function
20 **DISPLAY**	Press to select information displayed on the display window.
21 **SURR BACK DECODING**	Press to select the decoding mode for the surround back signals.
22 **INPUT MODE**	Press to select the input mode when the same components are connected to of both digital and analog jacks.
23 **MULTI CH IN**	Press to select the audio directly from the components connected to the MULTI CH IN jacks.
24 **i.LINK**	Press to select input of the component connected to the i.LINK jack.
25 **VIDEO 3 INPUT**	To connect a video camera or TV game.
26 **+/–, MENU, MAIN MENU**	Adjust to select and enter menu and parameter settings.
27 **TREBLE, BASS**	Adjust the tonal quality (bass, treble level) of each speaker.

About the indicators on the display



Name	Function
1 SW	Lights up when sub woofer selection is set to "YES". While this indicator lights up, the receiver creates a sub woofer signal based on the L.F.E. signal in the disc being played back or the low frequency components of the front channels. This indicator does not light during the 2CH STEREO mode or when a 2 channel signal is input while [A.F.D. AUTO] is selected and [A.F.D. 2CH SW] in the SURR SET UP menu is set to "OFF."
2 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings). "]\[" lights up when the 9.1 channel speaker system is activated.
L	Front Left
R	Front Right
C	Center (monaural)
SL	Surround Left
SR	Surround Right
S	Surround (monaural or the surround components obtained by Pro Logic processing)
SBL	Surround back left
SBR	Surround back right
SB	Surround back (the surround back components obtained by 6.1 channel decoding)
	Example: Recording format (Front/Surround): 3/2.1 Output channel: Surround speakers absent Sound Field: A.F.D. AUTO
	
3 □□DIGITAL (EX)	Lights up when Dolby Digital signals are input. "EX" lights up when Dolby Digital Surround EX signals are decoded.

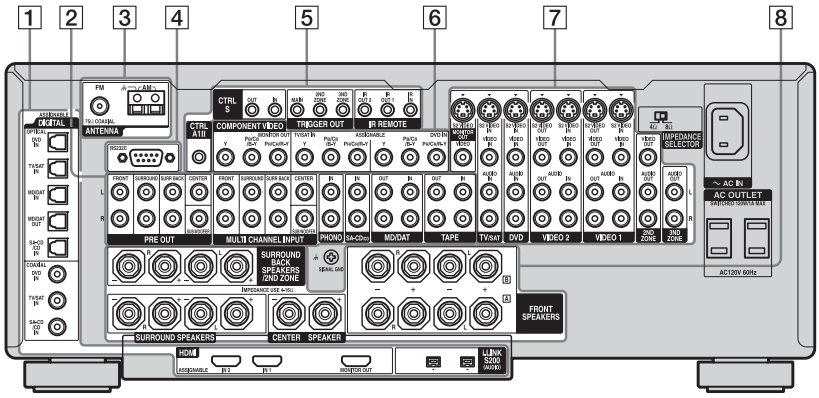
Name	Function
4 INPUT	Lights up constantly. One of the input indicators also lights up according to the current input.
5 AUTO	Lights up when INPUT MODE is set to "AUTO 2CH".
6 HDMI 1 2	Lights up when a playback component or a playback component and TV monitor is connected.
7 DTS (-ES)	Lights up when DTS signals are input. "-ES" lights up when DTS-ES signals are input. When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG 2CH FIXED".
8 i.LINK	Lights up when an i.LINK component is connected.
9 COAX	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAXIAL FIXED".
10 OPT	Lights up when INPUT MODE is set to "AUTO" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPTICAL FIXED".
11 96/24	Lights up when the receiver is decoding DTS 96 kHz/24 bit signals.
12 ANALOG	Lights up when INPUT MODE is set to "AUTO" and no digital signal being input through the COAXIAL or OPTICAL jacks, or when INPUT MODE is set to "ANALOG 2CH FIXED".
13 MULTI IN	Lights up when "MULTI CH IN" is selected.
14 SB DEC	Lights up when surround back sound decoding is activated.

Name	Function
15 D.RANGE	Lights up when dynamic range compression is activated.
16 SLEEP	Lights up when the sleep timer is activated.
17 VOLUME	Displays the current volume.
18 EQ	Lights up when the equalizer is activated.
19 MEMORY	Lights up when a memory function, such as Name Input, Preset Memory, etc., is activated.
20 Tuner indicators	Lights up when using the receiver to tune in radio stations, etc.
21 H.A.T.S.	Lights up when an H.A.T.S. signal is input from a component connected to the i.LINK jack.
22 DISCRETE	Lights up when DTS-ES Discrete decoding is activated.
23 MATRIX	Lights up when DTS-ES Matrix decoding is activated.
24 CINEMA	Lights up when DTS Neo:6 Cinema decoding is activated.
25 MUSIC	Lights up when Pro Logic II, Pro Logic IIx Music, or DTS Neo:6 Music decoding is activated.
26 NEO:6	Lights up when DTS Neo:6 Cinema/Music decoding is activated.
27 MOVIE	Lights up when Pro Logic II, or Pro Logic IIx Movie decoding is activated.
28 GAME	Lights up when Pro Logic II, or Pro Logic IIx Game decoding is activated.

Name	Function
29 □□PRO LOGIC (II/IIx)	Lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. This indicator also lights when the Pro Logic II, or Pro Logic IIx Movie/Music decoder is activated. However, this indicator does not light if both the center and surround speakers are set to "NO"

Name	Function
30 L.F.E.	Lights up when the disc being played back contains an L.F.E. (Low Frequency Effect) channel. When the sound of the L.F.E. channel signal is actually being reproduced, the bars underneath the letters lights up to indicate the level. Since the L.F.E. signal is not recorded in all parts of the input signal the bar indication will fluctuate (and may turn off) during playback.

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN/OUT jack	Connects to a DVD player, Super Audio CD player, etc. The COAXIAL jack provides a better quality of loud sound.
	COAXIAL IN jack	
	HDMI IN/MONITOR OUT jack	Connects to a DVD player, or a tuner. An image and the sound are output to TV or a projector.
	i.LINK jack	Connects to Sony Super Audio CD player: SCD-XA9000ES.

2 AUDIO INPUT/OUTPUT section

W(L)/R(R)	AUDIO IN/OUT jack	Connects to a tape deck or MD/DAT player, etc.
W/R/B	MULTI CHANNEL INPUT jack	Connects to a Super Audio CD player or DVD player which has an analog audio jack for 7.1 channel or 5.1 channel sound.
W/R/B	PRE OUT jack	Connects to an external power amplifier.

3 ANTENNA section

	FM ANTENNA	Connects to the FM wire antenna supplied with this receiver.
	AM ANTENNA	Connects to the AM loop antenna supplied with this receiver.

4 RS-232C jack

	Used for maintenance and service.

5 Control jack for Sony equipment and other external components

	CTRL A1II	Connects to a Sony CD player and amplifier, tape deck etc., which has a CONTROL A1II jack.
	CTRL S	Connects to a Sony TV and DVD player, VCR, etc., which has a CONTROL S jack.
	TRIGGER OUT	Connects to interlock ON/OFF of the power supply of other 12V TRIGGER compliant components, or the amplifier/receiver of the 2nd/3rd zone.
	IR REMOTE	Connects to an IR repeater.

6 COMPONENT VIDEO INPUT/OUTPUT section

G/B/R	COMPONENT VIDEO INPUT/OUTPUT jack[a]	Connects to a DVD player, TV, or a tuner. You can enjoy high quality image.

7 VIDEO/AUDIO INPUT/OUT section

W(L)/R(R)	AUDIO IN/OUT jack	Connects the video and audio jacks of a VCR or a DVD player.
Y	VIDEO IN/OUT jack	
	S-VIDEO IN/OUT jack [a]	

8 SPEAKER section

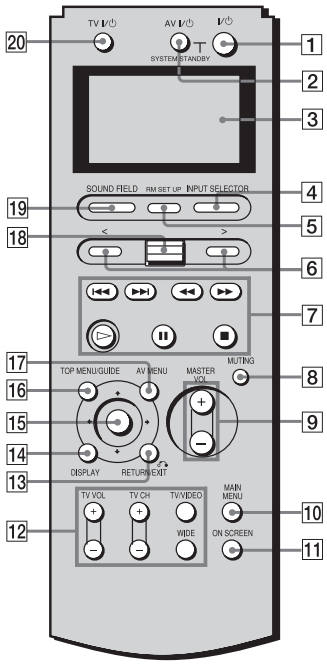
	Connects to speakers.

[a] You can watch the selected input image when you connect the MONITOR OUT jack to a TV. You can also display certain menu settings and the sound field on the monitor when you press ON SCREEN.

Remote commander

You can operate the receiver with the remote supplied with this receiver.

RM-AAE003

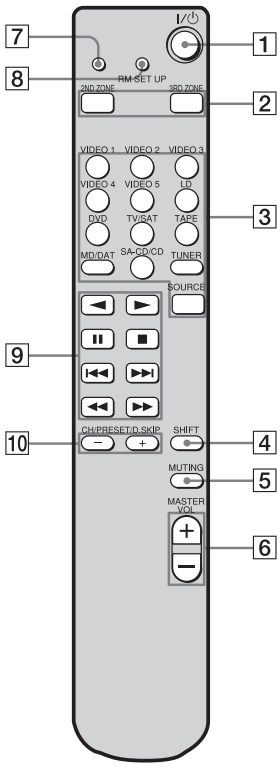


Name	Function
1 **I/⏻**	Press to turn the receiver on or off. If 2ND ZONE or 3rd ZONE is selected, only the main receiver is turned on or off with this button. To turn off all components including an amplifier in the 2nd zone or 3rd zone, press **I/⏻** and AV **I/⏻** (2) at the same time (SYSTEM STANDBY).
2 **AV I/⏻**	Press to turn on or off the components that the remote is programmed to operate on or off. If you press the **I/⏻** switch (1) at the same time, it will turn off the main component and other Sony audio/video components (SYSTEM STANDBY). Note The function of the AV **I/⏻** switch changes automatically each time you press INPUT SELECTOR (4). Depending on the component, the above operation may not be possible or may operate differently than described.
3 **Display window**	The current status of the selected component or a list of selectable items appears here. Note Characters other than letters of the alphabet or numbers may be displayed incorrectly on the remote, even if they appear correctly on the display window on the receiver.
4 **INPUT SELECTOR**	Press to display the input (component) list.
5 **RM SET UP**	Press to display the set up list.
6 **</>**	Press to change the information displayed on the display. Press the < button repeatedly to display the RECEIVER menu, press the > button repeatedly to display the SUB menu or the NUM menu.
7 **◀◀/▶▶** **■** **II** **▷**** **I◀◀ /▶▶I**	Press to operate the tape deck or the CD player, etc.
8 **MUTING**	Press to mute the sound.
9 **MASTER VOL +**/–**	Press to adjust the volume level of all speakers at the same time.
10 **MAIN MENU**	Press repeatedly to select a menu (LEVEL, SPEAKER SET UP, SURR SET UP, EQUALIZER, TUNER, CUSTOMIZE, CIS) for the receiver.
11 **ON SCREEN**	Press to display the menus of the receiver on the TV screen.
12 **TV VOL +**/–, TV CH +**/–, TV/VIDEO, WIDE**	Press to operate the TV.
13 **RETURN/ EXIT ↶**	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
14 **DISPLAY**	Press to change the display of preset input components.
15 **Control key**	After pressing MAIN MENU (10), TOP MENU/GUIDE (16), or AV MENU (17), move the control key up, down, left or right to select the settings. When you press TOP MENU/ GUIDE or AV MENU, press this key to enter the selection.
16 **TOP MENU/ GUIDE**	Press to display the menu or on-screen guide of the DVD player or satellite tuner on the TV screen. Then use the control key to perform menu operations.
17 **AV MENU**	Press to display the menus of the VCR, DVD player, or satellite tuner on the TV screen. Then use the control button to perform a menu operations.
18 **Easy scroll key**	While displaying a list, move up or down to select an item from the list, and then press to enter the selection.
19 **SOUND FIELD**	Press to display the sound field list.
20 **TV I/⏻**	Press to turn the TV on or off.

** The tactile dot is attached to these buttons (▷, TV VOL+, TV CH+, MASTER VOL+). Use as a mark of operation.

RM-US106A

This remote is only for 2ND ZONE out and 3RD ZONE out operations. You cannot control the main receiver directly with this remote.



Operating the main receiver from the 2nd (or 3rd) zone

Name	Function
1 **I/⏻**	Press to turn a receiver in the 2nd (or 3rd) zone on or off.
2 **Command mode buttons**	Press to select the command mode of the remote.
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can change the button assignments following the steps in "Changing button assignments (RM-US106A only)".

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 1)
VIDEO 3	VCR (VTR mode 2)
DVD	DVD player
TV/SAT	TV tuner
TAPE	Tape deck B
MD/DAT	MD deck
SA-CD/CD	Super Audio CD/CD player
TUNER*	Built-in tuner
SOURCE	The current input selected for the main receiver

* The setting cannot be changed.

4 **SHIFT**	When the tuner is selected, press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.
5 **MUTING**	Press to mute the sound.
6 **MASTER VOL +/–**	Press to adjust the volume level for 2ND ZONE or 3RD ZONE output.
7 **RM SET UP indicator**	Lights up when data is being sent.
8 **RM SET UP**	Press to change the category of the buttons.

Operating the components connected to the main receiver from the 2nd (or 3rd) zone

Name	Function
9 **Operation buttons***	The following table describes the function of the buttons.

Button(s)	Function
►	Starts play. (Starts play on the front side of the cassette.)
◄	Starts play on the reverse side of the cassette.
II	Pauses play or recording, and starts recording when the component is in recording standby.
■	Stops play.
I◄◄/►►I	Skips tracks.

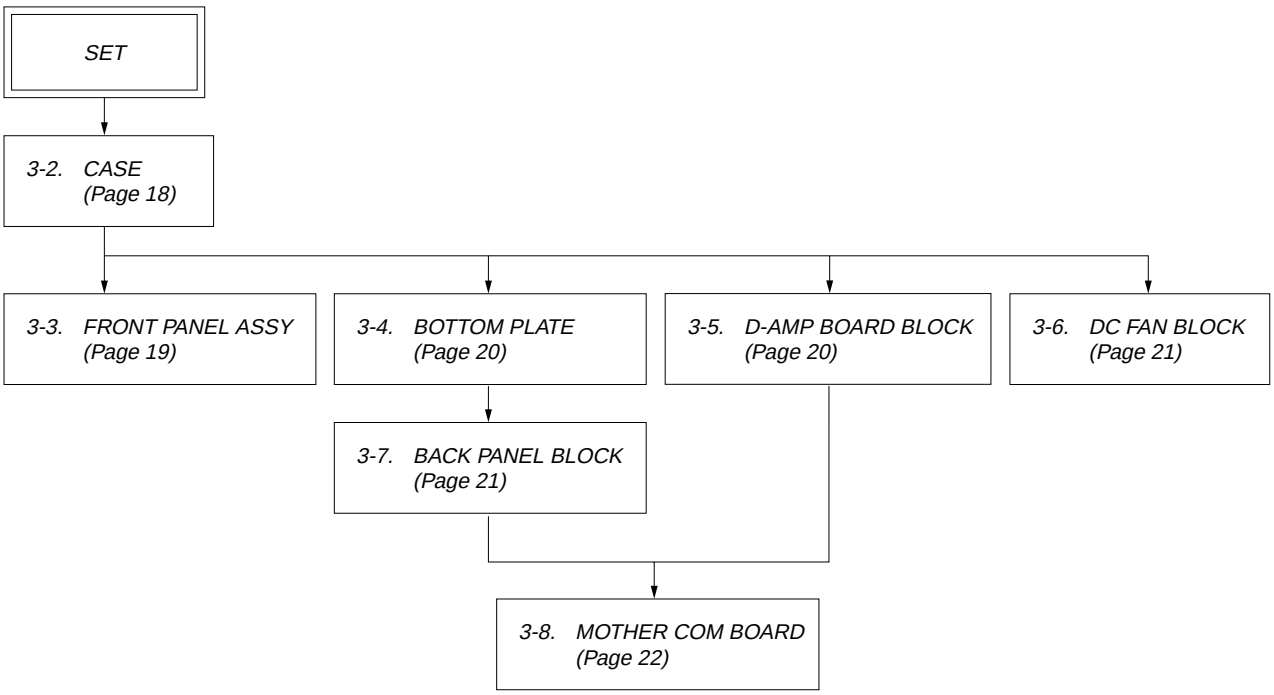
10 **CH/ PRESET/ D.SKIP +/–***	Press repeatedly to select a preset station or channel. When using a multi-disc changer, press to skip a disc.

* The function of these buttons switches automatically each time you press the input buttons 3. 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

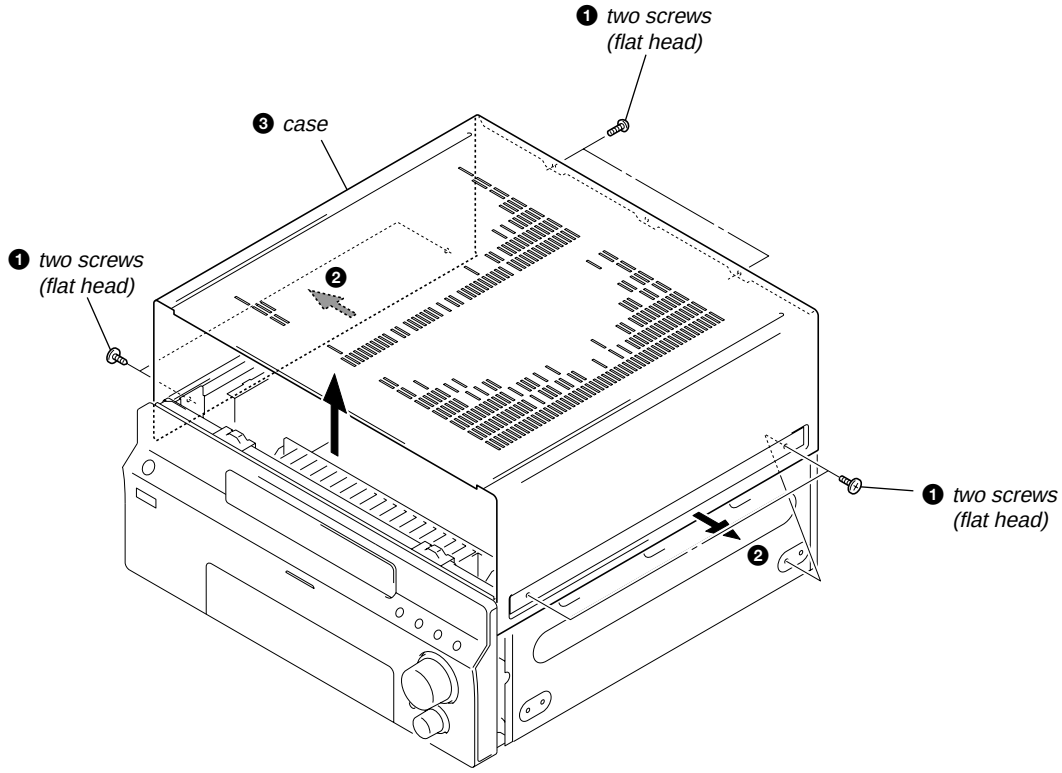
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

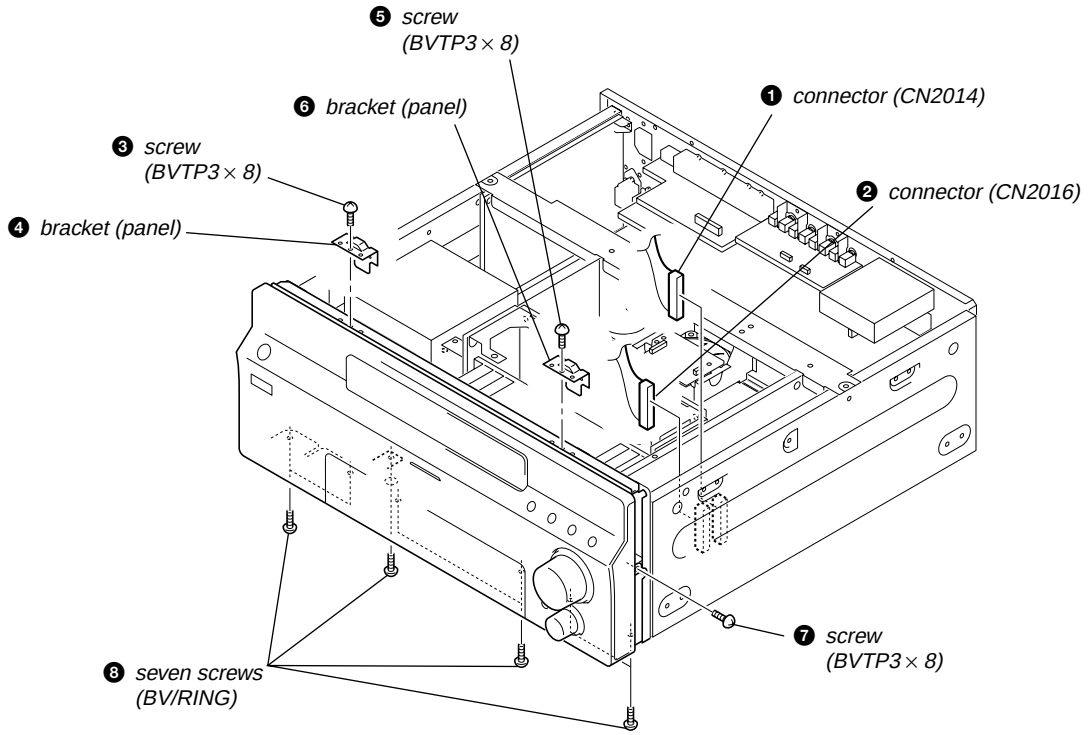


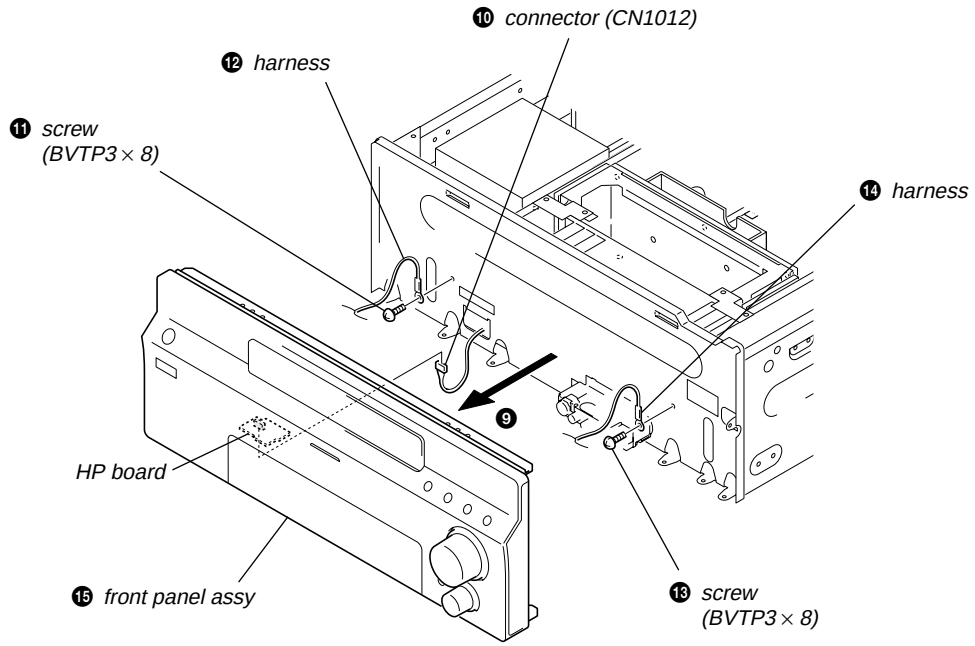
Note: Follow the disassembly procedure in the numerical order given.

3-2. CASE



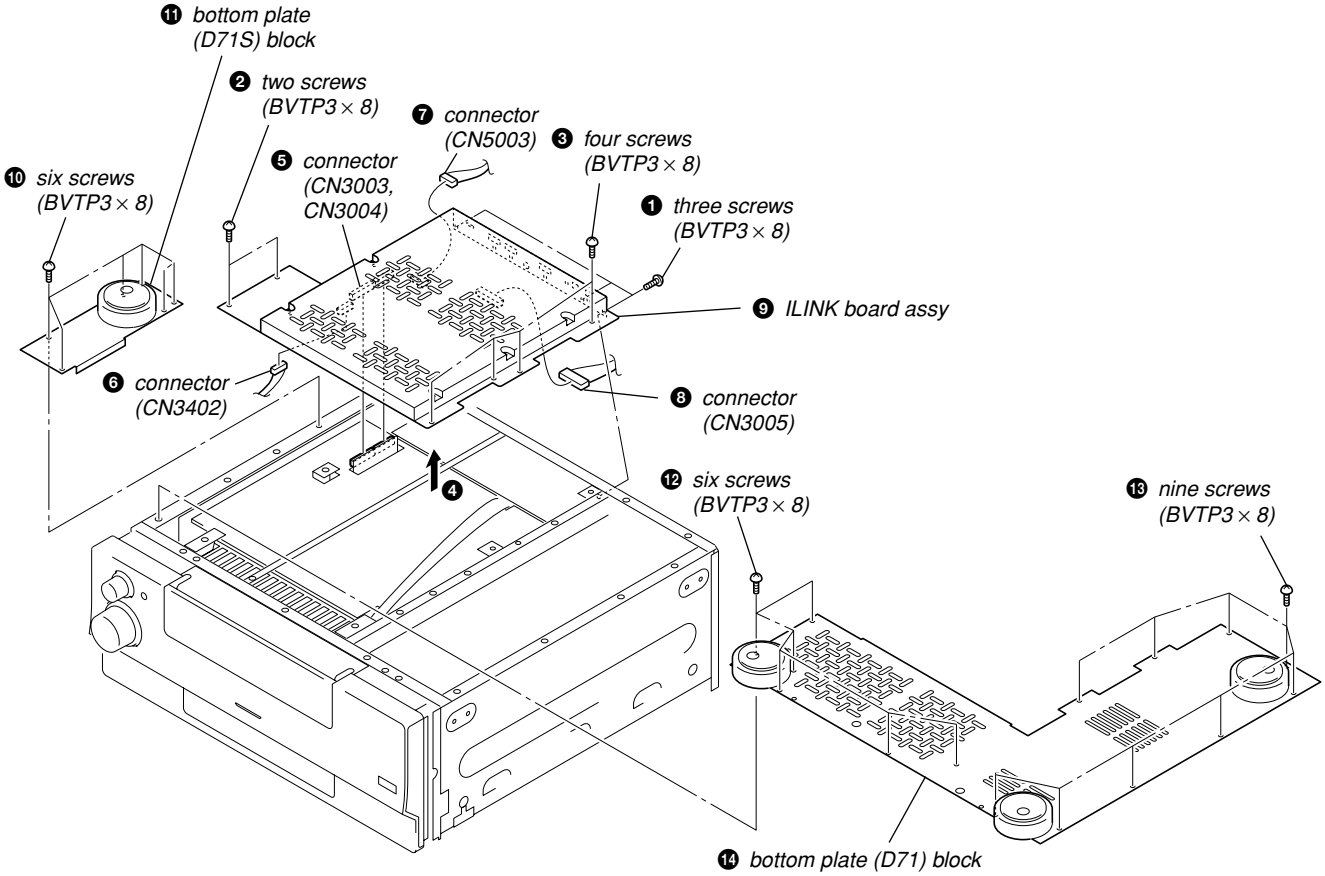
3-3. FRONT PANEL ASSY



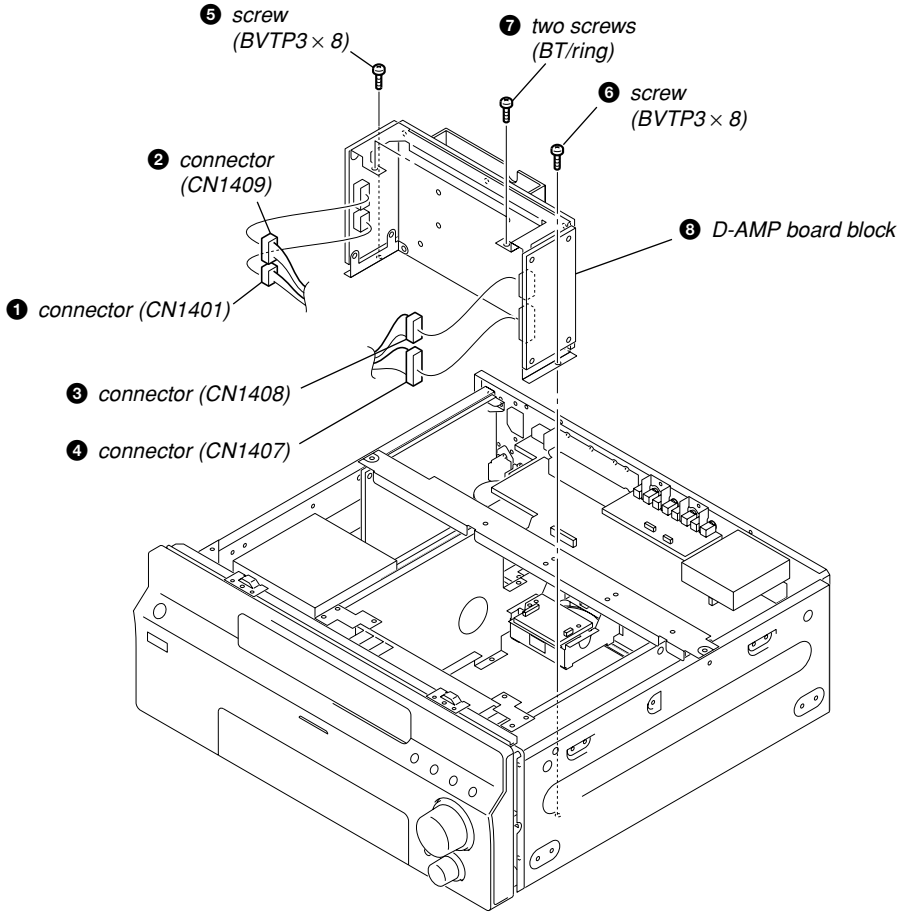


3-4. BOTTOM PLATE

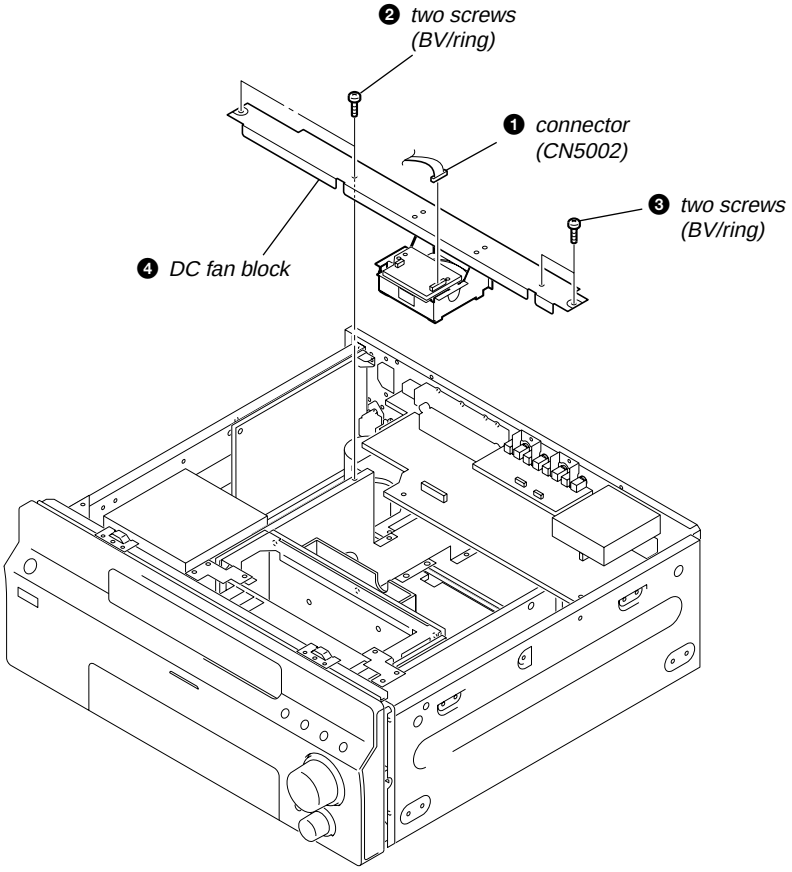
Note: When installing the ILINK board, Please refer to the service note "NOTE WHEN INSTALLING THE ILINK BOARD" (page10)



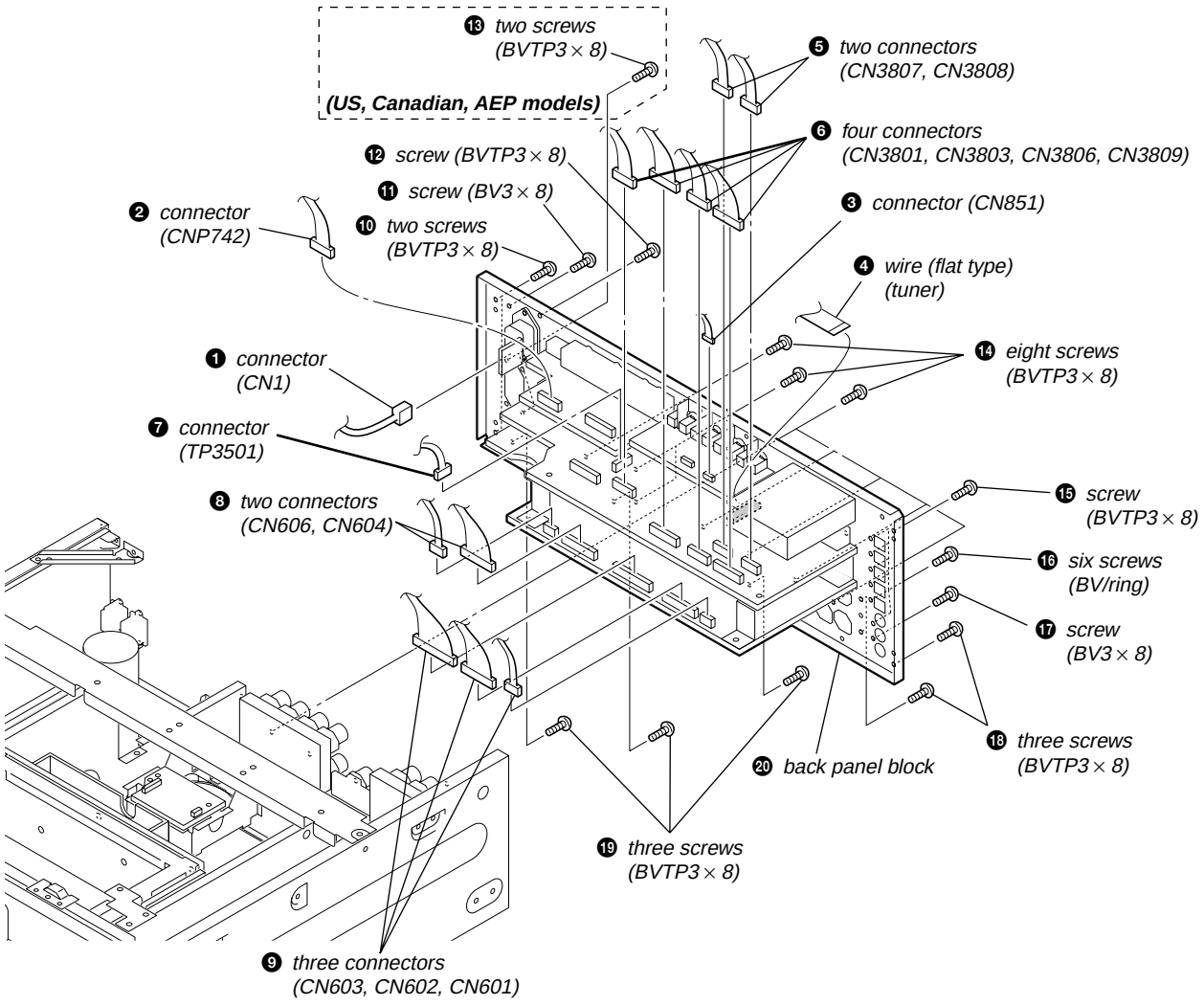
3-5. D-AMP BOARD BLOCK



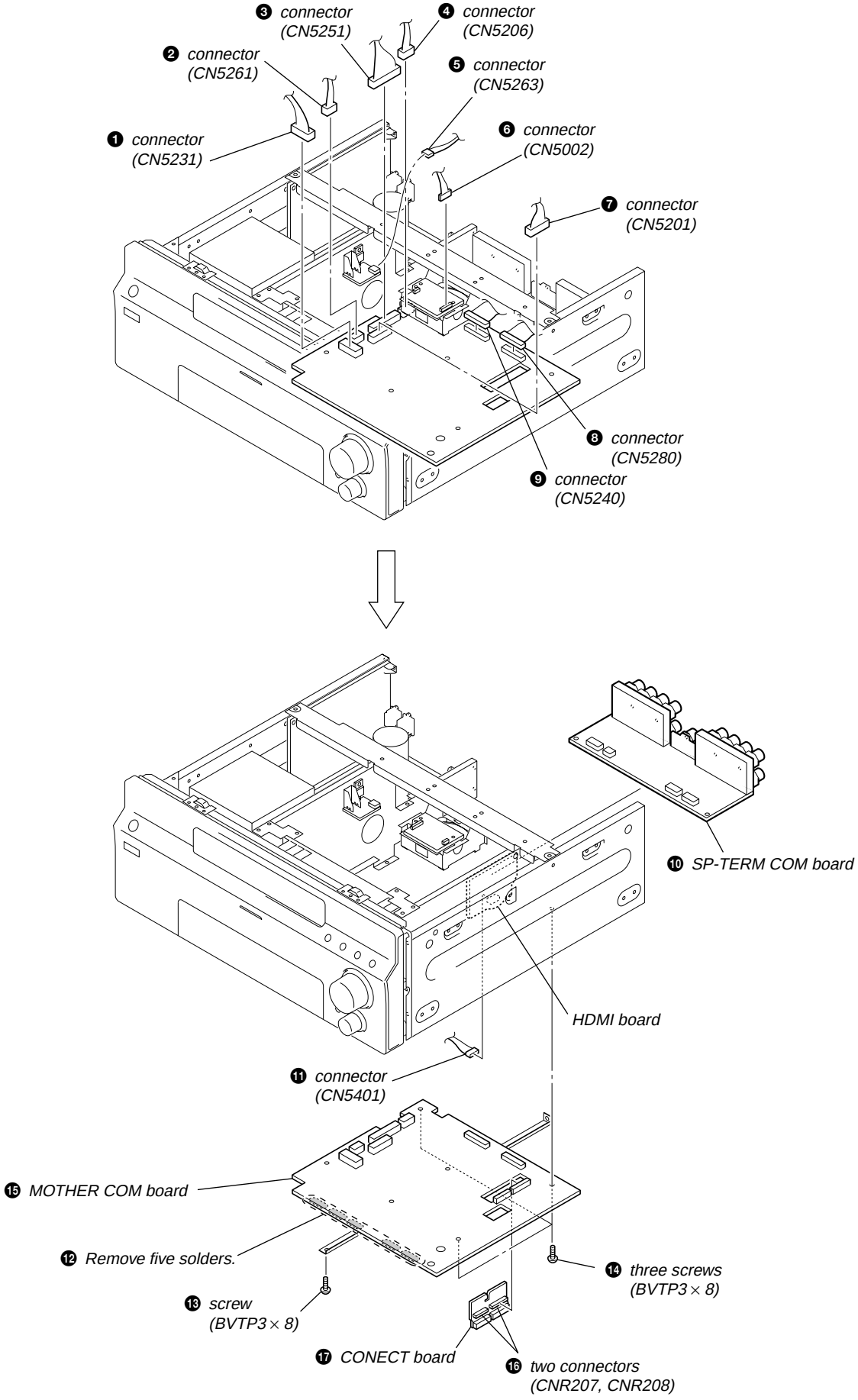
3-6. DC FAN BLOCK



3-7. BACK PANEL BLOCK



3-8. MOTHER COM BOARD



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 [PRESET 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.

MEMORY CLEARING 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. The message "SWAP MODE !" appears.
3. Press the [DISPLAY] button.
4. The message "–34.5" appears. (Volume level is "MID")
5. Press the [DISPLAY] button once again.
6. The message "23.0" appears. (Volume level is "MAX")
7. Press the [DISPLAY] button once again.
8. The message "–∞" appears. (Volume level is "MIN")

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 all LEDs turn on.

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE (US and Canadian models)

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

Procedure:

1. Press the [I/⏻] button to turn on the main power.
2. Turn the [INPUT SELECTOR] dial to select the "AM" .
3. Press the [I/⏻] button to turn off the main power.
4. While pressing the [PRESET TUNING +] or [TUNING +] button, press the [I/⏻] button to turn on the main power.
5. Either the message "AM 9K STEP" or "AM 10K STEP" appears, Select the desired step.

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.

COMMAND MODE CHANGE MODE

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

Procedure:

1. While pressing the [2CH] 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.

OPERATION CHECK OF i.LINK TERMINAL

Connect the set to a unit equipped with the i.LINK terminal to check if the communication can be made correctly. By this operation check, a loose connection of the connector or a disconnection of the i.LINK cable can be confirmed.

Procedure:

1. Press the [I/⏻] button to turn on the power, and press the [I.LINK] button to set the function to the "i.LINK" so that the "No LINK" is displayed
2. Turn on the power of the unit equipped with the i.LINK terminal.
3. Connect the set to the unit equipped with the i.LINK terminal using the i.LINK calbe.
   At this time, check that "i.LINK CONNECTING", is displayed on the set.
4. After the display of "i.LINK CONNECTING", check that the equipment information is displayed
5. Moving the i.LINK cable with the i.LINK connection maintained, check that the "i.LINK CONNECTING" is not displayed.

If nothing is displayed in step 3 and 4, or if "i.LINK CONNECTING" is displayed continuously, the i.LINK cable will be disconnected or the connector connection will be loose.
If "i.LINK CONNECTING" is displayed in step 5 though the cable is not removed, the i.LINK cable will be disconnected or the connector connection will be loose.

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 power and "HISTORY MODE" is displayed.
2. Press the [MAIN MENU] key of remote commander.
3. Each time the [↑][↓] key of remote commander is pressed, the item is switched in order as follows.

Note: The parameter is memorized when "PROTECTOR 21" is generated, and it doesn't update the parameter thereafter when other protector is generated, the parameter when data is updated every time, and protector was generated at the end is memorized.

Items	Display
Detected protect code/channel	PRCT NO/CH: XX/XX
Number of protector is generated	PRCT COUNT: XXX
Total use time	TTL_TIME: XXXXH XXM
Sound field setting	XXXXXXXXXXXXXXXX
Input when protect is detected	INPUT: XXXXXXXXXX
Input mode setting	INMODE: XXXXXXXXXXXX
Input mode under lick state	DSEL: XXXXXXXXXXXXXX
Stream under input	STREAM: XXXXXXX
Channel information	CONFIG:XXXXXXX
State of headphone	HEAD PHONE: XXX
Volume	VOL: XXXdB
EQ setting value	BASS: XXXdB
	TREB: XXXdB
Level collection value each channel	Lv FL/FR XXXX/XXXX
	Lv SL/SR XXXX/XXXX
	Lv CT/SW XXXX/XXXX
	Lv BL/BR XXXX/XXXX
Total time of power on	TTL_P_ON: XXXXH XXM

SPECIAL MENU MODE

Procedure:

1. Press the [I/⏻] button to turn on the main power, then while pressing the [MEMORY/ENTER] button, press the [MUSIC], [INPUT MODE], [MOVIE] button in order.
2. The message "MENU SPECIALIZED!" appears.
3. Each time the [MENU] dial is turned clockwise, the item is switched in order as follows.
4. To release from this mode, while pressing the [MEMORY/ENTER] button, press the [MUSIC], [INPUT MODE], [MOVIE] button in order again.
5. The message "MENU SPECIALIZED OFF" appears.

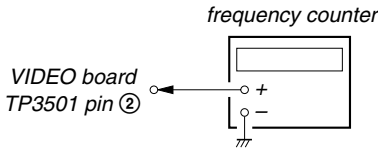
Items	Display	Remark
Protector on/off	SPECIAL PROTECTOR ON/OFF [XXX]	XXX: ON or OFF (switching with [–/+] dial)
Model version display	SPECIAL ##### *** vX. XX @@@@	#####: model ***: destination X.XX: main system controller software version @@@@: Sum value of flash memory in the main system controller
Model/destination change	SPECIAL MODEL [##### * * * *] X X	#####: model, ****: destination, XX: at or fx (switching with [–/+] dial)
HDMI controller version display	SPECIAL HDMI Micom Ver X. XX	X.XX: HDMI controller software version
HDMI controller update mode	SPECIAL HDMIUcom Update [XXX]	XXX:ON or OFF (switching with -/+ dial) Reset control form the main system controller side and the reset control from the PC side interfere mutually when updating the HDMI controller and it becomes writing NG Therefore, when this mode is set to ON, the reset control from the main system controller side is not done
Sub system controller version display	SPECIAL Sub Micom Ver. X.XX	X.XX: Sub system controller software version
Fan control	SPECIAL FAN CTL ON/OFF [XXX]	XXX: ON or OFF (switching with [–/+] dail) Fan control on/off is switched.
Sub system controller retry counter	SPECIAL Sub Micom RtryCntXXX	XXX: Communication retry count from main system controller side to sub system controller side
Sub system controller status	SPECIAL Sub Micom Stat: XXXXX ↓ (switching with [–/+] dial) SPECIAL Scom Busy Tx/Rx: XXX ↓ (switching with [–/+] dial) SPECIAL Scom Index: XXXXXXXXX	XXXXX: Status in main system controller when communicating with sub system controller side from main system controller side XXX: Busy counter of Tx/Rx XXXXXXXXX: Last command forwarded to sub system controller
Sub system controller update mode	SPECIAL SubUcom UpDate [XXX]	XXX: ON or OFF (switching with [–/+] dial) Reset control from the main system controller side and the reset control from the PC side interfere mutually when updating the sub system controller and it becomes writing NG Therefore, when this mode is set to ON, the reset control from the main system controller side is not done
Sub system controller current detect level setting (8Ω)	SPECIAL 8ohm OverCR Th [XXX]	XXXX: Over current level when speaker impedance is 8Ω (switching with [–/+] dial)
FL display fonts test	SPECIAL FL FONT 0x ** = [X]	**: 20 to FE, X: character (switching with [–/+] dial)
FL display test	ALL ON	Each time DISPLAY button to change as follows. all on → test pattern 1 → test pattern 2 → all off → all on
Audio swap	SPECIAL SWAP [XXXXXXXXXXX]	Switching with [–/+] dial
DSP halt	SPECIAL DSP HALT [XXX]	XXX: ON or OFF (switching with [–/+] dial) Mode not to send DSP host code, and to make only decipherment done

Items	Display	Remark
DSP RAM	DSP RAM [*****]=XXXXXXXX	The umbers which can be changed wick blinks To select the digit: Press the [TUNING +] or [TUNING -] button To select the number when the umbers (***** or XXXX) blinks: Rotate the [–/+] dial To perform the write when the umbers (XXXX) blinks: Press the [MEMORY/ENTER] button *****: instruction RAM address XXXXXXXX: instruction RAM address Note: When parenthesis is the position of instruction RAM address data, up/down of the menu item by the [MENU] dial are invalid
Bass management	SPECIAL BASS MAN [****] XX	****: AUTO or OFF, XX: 02 to 29 (switching with [–/+] dial)
DSP Version display	SPECIAL DSP Ver S: ***, P: XXX	***: DSP decoder patch version XXX: DSP post process version
Volume value display (FL/FR)	SPECIAL FL**** FR XXXX	****: Front L-ch volume value XXXX: Front R-ch volume value
Volume value display (SL/SR)	SPECIAL SL**** SR XXXX	****: Surround L-ch volume value XXXX: Surround R-ch volume value
Volume value display (CT/SW)	SPECIAL CT**** SW XXXX	****: Center volume value XXXX: Sub woofer R-ch volume value
Volume value display (SBL/SBR)	SPECIAL SBL**** SBR XXXX	****: Surround back L-ch volume value XXXX: Surround back R-ch volume value
EERROM debug	SPECIAL EEPROM [****] FR XX	****: EEPROM address XX: EEPROM data (switching with [–/+] dial)
Super reset	SPECIAL SUPER RESET [XXX]	Not used for the servicing If super reset is performed, “up convert signal level adjustment” will also be initialized When EEPROM initialization is required, perform the “all clear mode”
2nd volume value display	SPECIAL 2nd VOLUME XXX	XXX: 2nd room volume value (00 to ∞)
3rd volume value display	SPECIAL 3nd VOLUME XXX	XX: 3rd room volume value (00 to ∞)
FL display duty change	SPECIAL DARK OUT DUTY [XXX%]	XXX: Duty value of FL display (0% to 100%) (switching with [–/+] dial)
SDRAM check	SPECIAL SDRAM CHECK [XXXXX]	Check the operation of SD RAM for lip sync adjust XXXXX: PASS (OK) or ERROR (NG)
i.LINK 232C update	SPECIAL i.LINK 232C Update?	The flash memory is updated by way of 232C When the update is executed, the [MEMORY/ENTER] is pressed
i.LINK1394C update	SPECIAL i.LINK 1394C Update?	The flash memory is updated by way of 1394 When the update is executed, the [MEMORY/ENTER] is pressed
Model A AC write	SPECIAL MODEL/AAC WRITE [XXX]	XX: YES or NO The destination is discriminated, and model name and AAC correspondence/non-correspondance are written in i.LINK system controller
i.LINK test mode	SPECIAL i.LINK TEST MODE IN?	Status of the i.LINK system controller is displayed Enter the test mode when the [MEMORY/ENTER] is pressed
YUV Y drive	SPECIAL YUV Y DRIVE [XX]	XX: Gain control value of brighness (00 to 1F) (switching with [–/+] dial)
YUV U drive	SPECIAL YUV U DRIVE [XX]	XX: Gain control value of color difference (Cb) (00 to 1F) (switching with [–/+] dial)
YUV V drive	SPECIAL YUV V DRIVE [XX]	XX: Gain control value of color difference (Cr) (00 to 1F) (switching with [–/+] dial)

SECTION 5
ELECTRICAL ADJUSTMENTS

OSD ADJUSTMENT

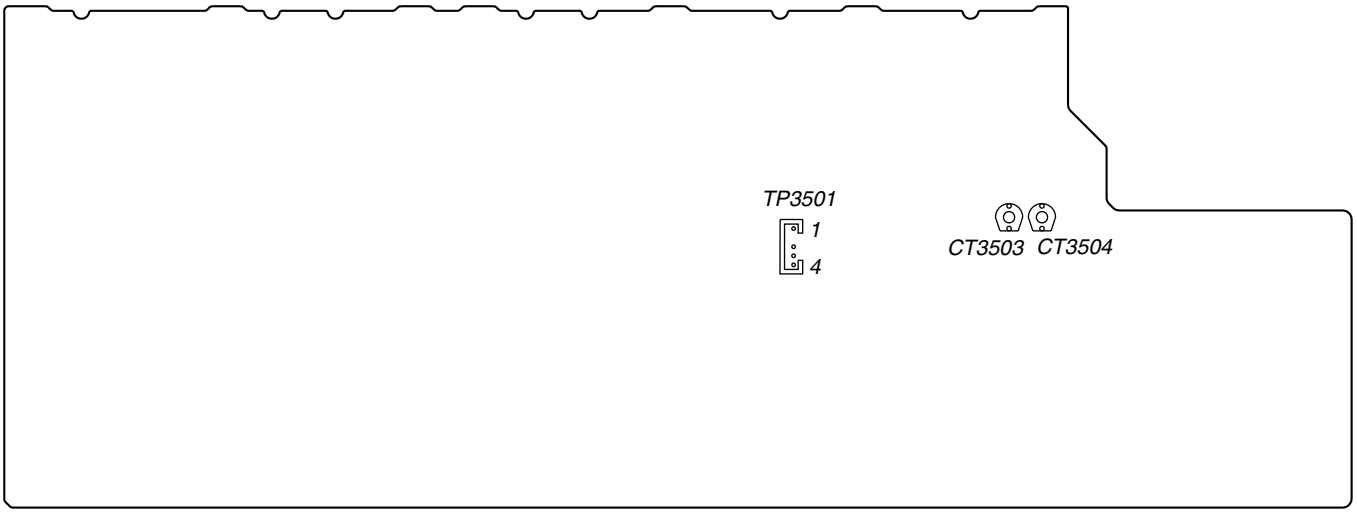
Connection



1. Connect a frequency counter to the TP3501 pin ② on the VIDEO board.
2. Press the [I/⏻] button to turn on the main power.
3. Perform the MEMORY CREARING MODE.
4. Press the [ON SCREEN] button on the remote commander to display “ON SCREEN [ON]”.
5. Turn the [MAIN MENU] dial to display “CUSTOMIZE”.
6. Turn the [MENU] dial to display “COLOR SYSTEM”.
7. Turn the [–/+] dial to select NTSC.
8. Adjust the CT3503 so that the frequency counter reading is 3.579545 MHz.
9. Turn the [–/+] dial to select PAL.
10. Adjust the CT3504 so that the frequency counter reading is 4.433618 MHz.

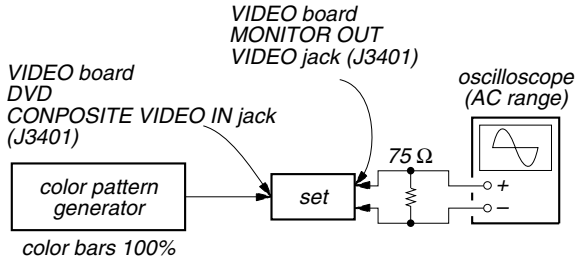
Adjustment and Connection Location:

– VIDEO Board (Component Side) –



CONPOSITE VIDEO OUT LEVEL ADJUSTMENT

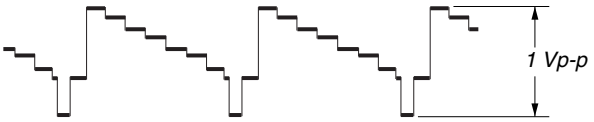
Setting:



Procedure:

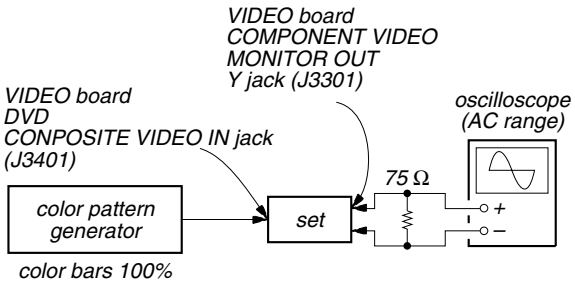
1. Connect a color pattern generator to the DVD CONPOSITE VIDEO IN jack (J3401) on the VIDEO board, and connect an oscilloscope to the MONITOR OUT VIDEO jack (J3401) on the VIDEO board.
2. Input color bars signal from the color pattern generator.
3. Adjust the RV3502 on the ILINK board so that the Vp-p value of waveform becomes 1Vp-p ± 2%.

Waveform:



COMPONENT VIDEO OUT LEVEL ADJUSTMETN

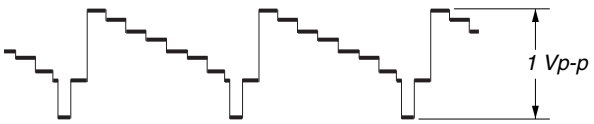
Setting:



Procedure:

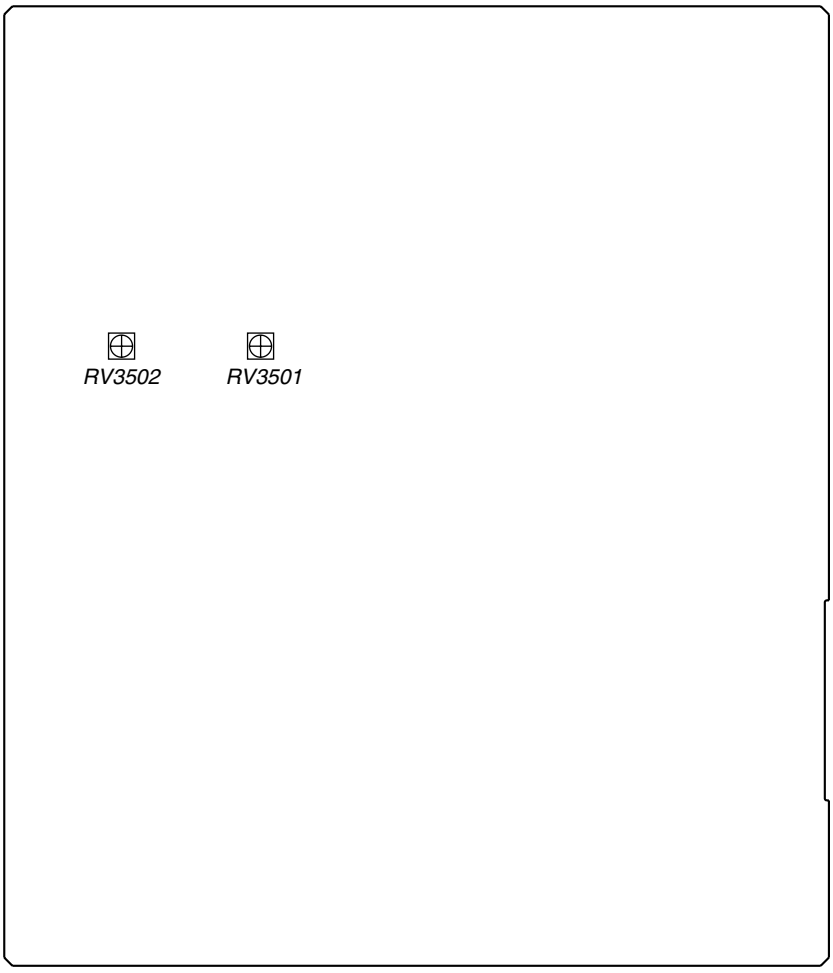
1. Connect a color pattern generator to the DVD CONPOSITE VIDEO in jack (J3401) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT IDEO MONITOR OUT Y jack (J3301) on the VIDEO board.
2. Input color bars signal from the color pattern generator.
3. Adjust the RV3501 on the ILINK board so that the Vp-p value of waveform becomes 1Vp-p ± 2%.

Waveform:



Adjustment Location:

– ILINK Board (Component Side) –



SECTION 6
DIAGRAMS

• Note for Printed Wiring Boards and Schematic Diagrams

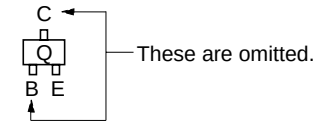
Note on Printed Wiring Board:

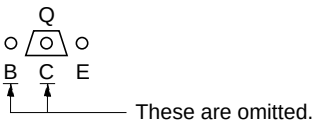
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

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

- Indication of transistor





- DIGITAL, DSP, ILINK, D-AMP, FILTER-L and FITER-R boards are multi-layer printed board.
  However, the patterns of intermediate layers have not been included in this diagrams.

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

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

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

- ▬ : B+ Line.
- ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  (When measuring circuit that used “VIRTUAL GND” of the VIDEO, S-VIDEO, MOTHER COM, D-AMP, FILTER-L, FILTER-R, SP-TERM COM, HDMI POWER, FAN, 12V and DC boards, ground it from CN3804 pin ② on the MOTHER COM board.)
  – VIDEO, S-VIDEO, HDMI POWER boards –
  no mark : VIDEO 1 mode
  – Other boards –
  no mark : TUNER
  ( ) : VIDEO 1 mode
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO (ANALOG)
  ⇨ : AUDIO (DIGITAL)
  ⇨ : VIDEO
- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  TW : Taiwan model

• **IC Pin Function Description**

MOTHER COM BOARD IC1800 MB89537APFM-G-694E1 (SUB SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	I- LIMIT	I	Current detection signal input from the protect circuit
2	MOD2	I	Not used
3	TEMP	I	Thermistor connection terminal for abnormal temperature detection (A/D input)
4 to 9	CUR1 to CUR6	I	Current detection terminal for speaker output section (A/D input)
10	DIAG (TEMP)	I	Abnormal temperture detection terminal for the power amplifier (A/D input)
11	AVCC	-	Power supply terminal (+3.3V) (for analog system)
12	AVR	I	Reference voltage (+3.3V) input terminal
13	AVSS	-	Ground terminal (for analog system)
14	U-MAIN	I	Clock signal input from main system controller
15	AC-OFF	I	AC off detection signal input terminal "L": AC off
16	PWM-MODE	-	Not used
17	FRQ	I	Frequency detection terminal (1 kHz detection)
18	DC2	I	Voltage detection terminal for speaker output section
19	RST	I	Reset signal input from the main system controller "L": reset
20, 21	MOD0, MOD1	I	Setting terminal for memory access mode Normally: fixed at "L"
22	X0	I	System clock input terminal (12.5 MHz)
23	X1	O	System clock output terminal (12.5 MHz)
24	VSS	-	Ground terminal
25	VOL-CLK	O	Serial data transfer clock signal output to the power amplifier power supply control D/A converter
26	VOL-DATA	O	Serial data output to the power amplifier power supply control D/A converter
27	VOL-LAT	O	Serial data latch pulse signal output to the power amplifier power supply control D/A converter
28	DAC-MUTE	O	Muting on/off control signal output terminal
29, 30	(P23), (P22)	-	Not used
31	4/8SW	I	IMPEDANCE SELECTOR switch input terminal
32	SUR_A PS_SP	O	Relay drive signal output terminal
33	NC	-	Not used
34	4/8OUT	I	Relay drive signal (for speaker impedance 4Ω/8Ω selection) output terminal
35	NO-USE	I	Not used
36	EN	O	Enable/Disable control signal output terminal
37	DC3	I	Voltage detection terminal for speaker output section
38	INIT	O	Initialize signal output to the PCM/PWM processor
39	DC4	I	Voltage detection terminal for speaker output section
40	(P10)	-	Not used
41	SOFT-MUTE	O	Muting on/off control signal output terminal
42	U-SUB1	I	Serial data input from main system controller
43	LAT4	O	Serial data latch pulse signal (for surround back) output to the PCM/PWM processor
44	LAT3	O	Serial data latch pulse signal (for surround) output to the PCM/PWM processor
45	LAT2	O	Serial data latch pulse signal (for center) output to the PCM/PWM processor
46	LAT1	O	Serial data latch pulse signal (for front) output to the PCM/PWM processor
47	FRONT (A) RY	O	Relay drive signal output terminal
48	FRONT (B) RY	O	Relay drive signal output terminal
49	NC	-	Not used
50	DC5	I	Voltage detection terminal for speaker output section
51	SHIFT	O	Serial data transfer clock signal output to the PCM/PWM processor
52	SCDT	O	Serial data output to the PCM/PWM processor
53	DC6	I	Voltage detection terminal for speaker output section

Pin No.	Pin Name	I/O	Description
54	DC7	I	Voltage detection terminal for speaker output section
55	SP_BACK	O	Relay drive signal (for surround back speaker) output terminal
56	VCC	-	Power supply terminal (+3.3V)
57	SOFT-MUT (SB)	O	Muting on/off control signal output terminal
58	MUTE	I	Muting on/off control signal input terminal
59	U-USB2	O	Serial data output to main system controller
60 to 62	NC	-	Not used
63	DC1	I	Voltage detection terminal for speaker output section
64	CENTER SP	O	Relay drive signal output terminal

DSP BOARD IC2 ADSP21266SKSTZ-2C (DSP)

Pin No.	Pin Name	I/O	Description
1	VDDINT	-	Power supply terminal (+1.2V)
2	CLKCFG0	-	Not used
3	CLKCFG1	-	Not used
4	BOOTCFG0	-	Not used
5	BOOTCFG1	-	Not used
6	GND	-	Ground terminal
7	VDDEXT	-	Power supply terminal (+3.3V)
8	GND	-	Ground terminal
9	VDDINT	-	Power supply terminal (+1.2V)
10	GND	-	Ground terminal
11	VDDINT	-	Power supply terminal (+1.2V)
12	GND	-	Ground terminal
13	VDDINT	-	Power supply terminal (+1.2V)
14	GND	-	Ground terminal
15	INT_REQ	O	Interrupt status output to the main system controller
16	DIR_ERR	O	PLL lock error signal and data error flag output to the main system controller
17	AD7	I/O	Two-way data bus and address signal output with S-RAM
18	GND	-	Ground terminal
19	VDDINT	-	Power supply terminal (+1.2V)
20	GND	-	Ground terminal
21	VDDEXT	-	Power supply terminal (+3.3V)
22	GND	-	Ground terminal
23	VDDINT	-	Power supply terminal (+1.2V)
24 to 26	AD6 to AD4	I/O	Two-way data bus and address signal output with S-RAM
27	VDDINT	-	Power supply terminal (+1.2V)
28	GND	-	Ground terminal
29, 30	AD3, AD2	I/O	Two-way data bus and address signal output with S-RAM
31	VDDEXT	-	Power supply terminal (+3.3V)
32	GND	-	Ground terminal
33, 34	AD1, AD0	I/O	Two-way data bus and address signal output with S-RAM
35	XWR	O	Data write enable signal output terminal “L” active
36, 37	VDDINT	-	Power supply terminal (+1.2V)
38	GND	-	Ground terminal
39	XRD	O	Read strobe signal output terminal
40	ALE	O	Address latch enable signal output terminal
41 to 43	AD15 to AD13	I/O	Two-way data bus and address signal output with S-RAM
44	GND	-	Ground terminal
45	VDDEXT	-	Power supply terminal (+3.3V)
46	AD12	I/O	Two-way data bus and address signal output with S-RAM
47	VDDINT	-	Power supply terminal (+1.2V)
48	GND	-	Ground terminal
49 to 52	AD11 to AD8	I/O	Two-way data bus and address signal output with S-RAM
53	A16	O	Address signal output to S-RAM
54	VDDINT	-	Power supply terminal (+1.2V)
55	GND	-	Ground terminal
56, 57	A17, A18	O	Address signal output to S-RAM
58	GND	-	Ground terminal
59	VDDEXT	-	Power supply terminal (+3.3V)
60	VDDINT	-	Power supply terminal (+1.2V)

Pin No.	Pin Name	I/O	Description
61	GND	-	Ground terminal
62	PF_CE	-	Not used
63	SPI_MAS	O	Master/slave selection signal output terminal "H": DSP is master
64	DPSOA	O	PCM audio signal (front) output terminal
65	DPSOB	O	PCM audio signal (surround) output terminal
66	VDDINT	-	Power supply terminal (+1.2V)
67	GND	-	Ground terminal
68	VDDINT	-	Power supply terminal (+1.2V)
69	GND	-	Ground terminal
70	DPSOC	O	PCM audio signal (center, sub woofer) output terminal
71	DPSOD	O	PCM audio signal (surround back) output terminal
72	VDDINT	-	Power supply terminal (+1.2V)
73	VDDEXT	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	VDDINT	-	Power supply terminal (+1.2V)
76	GND	-	Ground terminal
77	DPSOE	-	Not used
78	DPSIA	I	PCM audio signal (digital input) input terminal
79	DPSIB	I	PCM audio signal (front) input terminal
80	DPSIC	I	PCM audio signal (surround) input terminal
81	DPSID	I	PCM audio signal (center, sub woofer) input terminal
82	DPSIE	I	PCM audio signal (surround back) input terminal
83	VDDINT	-	Power supply terminal (+1.2V)
84, 85	GND	-	Ground terminal
86	DPDVLRCK	O	L/R sampling clock signal (44.1 kHz) output for PCM audio output
87	DPDVBCK	O	Bit clock signal (2.8224 MHz) output for PCM audio output
88	DPLRCK	I	L/R sampling clock signal (44.1 kHz) input for PCM audio input
89	DPBCK	I	Bit clock signal (2.8224 MHz) input for PCM audio input
90	VDDINT	-	Power supply terminal (+1.2V)
91, 92	GND	-	Ground terminal
93	VDDEXT	-	Power supply terminal (+3.3V)
94	DPFSCK	I	Master clock signal input terminal
95	GND	-	Ground terminal
96	VDDINT	-	Power supply terminal (+1.2V)
97	XNONAUDIO	I	Digital input signal switch control signal input terminal
98	XSF_CE	O	Chip enable signal output to the flash memory
99	VDDINT	-	Power supply terminal (+1.2V)
100	GND	-	Ground terminal
101	VDDINT	-	Power supply terminal (+1.2V)
102	GND	-	Ground terminal
103	VDDINT	-	Power supply terminal (+1.2V)
104	GND	-	Ground terminal
105	VDDINT	-	Power supply terminal (+1.2V)
106	GND	-	Ground terminal
107, 108	VDDINT	-	Power supply terminal (+1.2V)
109	GND	-	Ground terminal
110	VDDINT	-	Power supply terminal (+1.2V)
111	GND	-	Ground terminal
112	VDDINT	-	Power supply terminal (+1.2V)
113	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
114	VDDINT	-	Power supply terminal (+1.2V)
115	GND	-	Ground terminal
116	VDDEXT	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal
118	VDDINT	-	Power supply terminal (+1.2V)
119	GND	-	Ground terminal
120	VDDINT	-	Power supply terminal (+1.2V)
121	XRESET	I	System reset signal input to the main system controller
122	XSPIDS	I	Serial data latch pulse signal input to the main system controller
123	GND	-	Ground terminal
124	VDDINT	-	Power supply terminal (+1.2V)
125	SPICLK	I/O	Serial data transfer clock signal input/output with the flash memory
126	MISO	I/O	When DSP is master: Serial data input from the flash memory When DSP is slave: Serial data output to the main system controller
127	MOSI	I/O	When DSP is master: Serial data output to the flash memory When DSP is slave: Serial data input from the main system controller
128	GND	-	Ground terminal
129	VDDINT	-	Power supply terminal (+1.2V)
130	VDDEXT	-	Power supply terminal (+3.3V)
131	AVDD	-	Power supply terminal (+3.3V)
132	AVSS	-	Ground terminal
133	GND	-	Ground terminal
134	CLKOUT	-	Not used
135	XEMU	-	Not used
136	TDO	-	Not used
137	TDI	-	Not used
138	CTRST	-	Not used
139	TCK	-	Not used
140	TMS	-	Not used
141	GND	-	Ground terminal
142	CLKIN	I	System clock input terminal (25 MHz)
143	XTAL	O	System clock output terminal (25 MHz)
144	VDDEXT	-	Power supply terminal (+3.3V)

DIGITAL BOARD IC2028 CXD9722TQ (LIP SYNC ADJUST)

Pin No.	Pin Name	I/O	Description
1 to 5	D1 to D5	I/O	Serial data input/output terminal with the SD-RAM
6	VDD	-	Power supply terminal (+3.3V)
7, 8	D6, D7	I/O	Serial data input/output terminal 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	Serial data transfer 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, 18	A11, A10	O	Address signal output to the SD-RAM
19 to 22	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	SR-ch analog audio signal output terminal Not used
32	DLSO	O	SL-ch analog audio signal output terminal Not used
33	DEXRO	O	Not used (open)
34	DLFEO	O	W-ch analog audio signal output terminal Not used
35	DCO	O	C-ch analog audio signal output terminal Not used
36	VDD	O	Power supply terminal (+3.3V)
37	DRO	O	R-ch analog audio signal output terminal Not used
38	DLO	O	L-ch analog audio signal output terminal Not used
39	VSS	-	Ground terminal
40	DMRO	O	SBR-ch analog audio signal output terminal Not used
41	DMLO	O	SBL-ch analog audio signal output terminal Not used
42	VSS	-	Ground terminal
43	VDD	-	Power supply terminal (+3.3V)
44	DLDRO	O	Audio serial data output terminal
45	CSWO	O	Audio serial data output terminal
46	SLSRO	O	Audio serial data output terminal
47	FLFRO	O	Audio serial data output terminal
48	VSS	-	Ground terminal
49	SPDIFO	O	SPDIF signal output terminal Not used
50	TEST1	I	Test mode setting terminal Not used
51	TRST	I	Reset signal input terminal for test Not used
52	TMS	I	Mode setting terminal for test Not used
53	TCK	I	Clock signal input terminal for test Not used
54	TDI	I	Serial data input terminal for test Not used
55	TDO	O	Serial data output terminal for test Not used
56	TEST2	I	Test mode setting terminal Not used
57	SPDIFI	I	SPDIF signal input terminal Not used
58	VSS	-	Ground terminal
59	LRCKI	I	L/R sampling clock signal (44.1 kHz) input from the digital signal processor
60	BCKI	I	Bit clock signal (2.8224 MHz) input from the digital signal processor
61	VDD	-	Power supply terminal (+3.3V)
62	VSS	-	Ground terminal
63	DLDRI	I	Audio serial data input from the digital signal processor

Pin No.	Pin Name	I/O	Description
64	CSWI	I	Audio serial data input from the digital signal processor
65	SLSRI	I	Audio serial data input from the digital signal processor
66	FLFRI	I	Audio serial data input from the digital signal processor
67	TEST3	I	Test mode setting terminal Not used
68	CLK512	I	Serial data transfer clock signal input terminal
69	VSS	-	Ground terminal
70	XRST	I	Reset signal input from the main system controller
71	VDD	-	Power supply terminal (+3.3V)
72	SCLK	I	Serial data transfer 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 (connected to ground)
77	DMLI	I	SBL-ch analog audio signal input terminal Not used
78	DMRI	I	SBR-ch analog audio signal input terminal Not used
79	VSS	-	Ground terminal
80	PHRI	I	Clock signal input terminal
81	BCKAI	I	Bit clock signal input from the GPR Not used
82	DQM	O	Not used
83	DLI	I	L-ch analog audio signal input terminal Not used
84	DRI	I	R-ch analog audio signal input terminal Not used
85	DCI	I	C-ch analog audio signal input terminal Not used
86	DLFEI	I	W-ch analog audio signal input terminal Not used
87	DLSI	I	SL-ch analog audio signal input terminal Not used
88	DRSI	I	SR-ch analog audio signal input terminal Not used
89	VSS	-	Ground terminal
90 to 95	D15 to D10	I/O	Serial data input/output terminal with the SD-RAM
96	VDD	-	Power supply terminal (+3.3V)
97, 98	D9, D8	I/O	Serial data input/output terminal with the SD-RAM
99	GND	-	Ground terminal
100	D0	I/O	Serial data input/output terminal with the SD-RAM

DIGITAL BOARD IC2048 TMP87C447U-1F23 (REMOTE COMMANDER INTERFACE)

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
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 CTRL A1 II
12	A1-IN	I	SIRCS signal input for CTRL A1 II
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	OUTHI1	O	Not used
22	OUTLO1	O	Not used
23	OUTHI2	O	Model destination signal output to the main system controller
24	OUTLO2	O	Not used
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
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

DIGITAL BOARD IC2054 MB91F355APMT-A70ES-X110 (MAIN SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for BASS)
3, 4	TREB JOG1, TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TREBLE)
5	SVOL LAT (A90)	-	Not used
6	TUNER LAT	O	Serial data latch pulse signal output to the tuner unit
7	TUNER DO	I	Serial data input from the tuner unit
8	TUNED	I	Tuned detection signal input from the tuner unit
9	STEREO	I	FM stereo detection signal input from the tuner unit
10	RDS DATA	I	RDS serial data input from the tuner unit (AEP model only)
11	DATA0	I	Read data input from the digital audio interface receiver
12	DSP RESET	O	System reset signal output to the DSP “L”: reset
13	DSP (LAT)	O	Serial data latch pulse output to the DSP
14	DSP SPICLK	O	Serial data transfer clock signal output to the DSP
15	DSP MISO	I	Serial data input from the DSP or flash memory
16	DSP MOSI	O	Serial data output to the DSP or flash memory
17	VSS	-	Ground terminal
18	VCC	-	Power supply terminal (+3.3V)
19, 20	DSP BCFG0, DSP BCFG1	-	Not used
21	SF CPU CE	O	Chip enable signal output for the flash memory
22	SF DSP MAS	I	Master/slave selection signal input terminal “H”: DSP is master
23	96/24	-	Not used
24	T/A XCS	O	Chip select signal output to the lip sync adjust
25	T/A SO	I	Serial data input from the lip sync adjust
26	T/A XRST	O	System reset signal output to the lip sync adjust “L”: reset
27	MAIN DO	O	Serial data output to the PCM/PWM processor
28	MAIN CLK	O	Serial data transfer clock signal output to the PCM/PWM processor
29	SUB-U RESET	O	System reset signal output to the sub system controller “L”: reset
30	DIR XMODE	O	System reset signal output to the digital audio interface receiver “L”: reset
31	DIR CE	O	Chip enable signal output to the digital audio interface receiver
32	DIR DO	I	Serial data input from the digital audio interface receiver
33	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
34	DIR CKST	I	Clock select signal input from the digital audio interface receiver
35	VSS	-	Ground terminal
36	VCC	-	Power supply terminal (+3.3V)
37	AD/DA RESET	O	System reset signal output to the A/D converter and D/A converter “L”: reset
38	DAC LAT	O	Serial data latch pulse signal output to the D/A converter
39	DAC OUT	I	Serial data input from the D/A converter
40	AD (SB) RESET	O	System reset signal output to the A/D converter (for surround back) “L”: reset
41	ADMIX LAT (A90)	-	Not used
42	PDMIX LAT (A90)	-	Not used
43	RF ERR (A90)	-	Not used
44	MUTE	O	System muting on/off control signal output terminal
45	DAVS	-	Ground terminal
46	DAVC	-	Power supply terminal (+3.3V)
47 to 49	NO USE	-	Not used
50 to 52	AD KEY1 to AD KEY3	I	Front panel key input terminal (A/D input)
53, 54	NO USE	-	Not used

Pin No.	Pin Name	I/O	Description
55	VERSION	I	Setting terminal for version
56, 57	NO USE	-	Not used
58	RDS SIGNAL	I	RDS signal input from the tuner unit (AEP model only)
59 to 61	NO USE	-	Not used
62	AVCC	-	Power supply terminal (+3.3V)
63	AVRH	I	Reference voltage input terminal (+3.3V)
64	AVSS/AVRL	-	Ground terminal
65	VSS	-	Ground terminal
66	VCC	-	Power supply terminal (+3.3V)
67	IH ERROR	I	Error signal input from the i. LINK interface
68	9742 INT	O	Initialize signal output to the digital audio processor
69	RY595 LAT (A90)	-	Not used
70	C595 LAT (A90)	-	Not used
71	D595 OE	O	Output enable signal output to the data decoder
72	D595 LAT	O	Serial data latch pulse output to the data decoder
73	O595 LAT	O	Serial data latch pulse output to the data decoder
74	FUNC LAT	O	Serial data latch pulse output to the analog input section
75	PREVOL LAT	O	Serial data latch pulse output to the pre audio section
76	PREOUT RY	O	Relay drive signal (for pre audio section) output terminal
77	V595 OE	O	Output enable signal output to the data decoder
78	V595 LAT	O	Serial data latch pulse output to the data decoder
79	VSS	-	Ground terminal
80	VCC	-	Power supply terminal (+3.3V)
81	FLSH-PN0	-	Not used
82	COM1 CLK	O	Serial data transfer clock signal output to the data decoder
83	FLSH-PN2	-	Not used
84	COM1 DAT	O	Serial data output to the data decoder
85	COM2 CLK	O	Serial data transfer clock signal output to the data decoder
86	COM2 DAT	O	Serial data output to the data decoder
87	OSD LAT	O	Serial data latch pulse signal output to the OSD driver
88	OSD DATA	O	Serial data output to the OSD driver
89	OSD CLK	O	Serial data transfer clock signal output to the OSD driver
90 to 92	NO USE	-	Not used
93	VSS	-	Ground terminal
94	UPCON DATA	I/O	Serial data input/output with the video amp
95	UPCON CLK	O	Serial data transfer clock signal output to the video amp
96	VSS	-	Ground terminal
97	VCC	-	Power supply terminal (+3.3V)
98	SIRCS IN	I	SIRCS signal input terminal
99	DSP INT	I	Interrupt status input from the DSP
100	RDS CLK	I	RDS serial data transfer clock signal input from the tuner unit (AEP model only)
101	POWER KEY	I	Power key input terminal
102 to 104	NO USE	-	Not used
105	CTL-A1 IN	I	SIRCS signal input for the CONTROL A1II
106	CTL-A1 LAT	O	Serial data latch pulse signal output to the remote commander interface
107	CTL-A1 OUT	O	SIRCS signal output for the CONTROL A1II
108	STOP	I	AC off detection signal input terminal
109 to 113	MBUS STS0 to MBUS STS4	I	M-BUS status signal input from the remote commander intel face
114	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
115	VCC	-	Power supply terminal (+3.3V)
116	DAB TX	-	Not used
117	DAB RX	-	Not used
118	DAB POWER	-	Not used
119	ILINK TX	I	Serial data input from the i. LINK system controller
120	ILINK RX	O	Serial data output to the i. LINK system controller
121	ILINK RESET	O	System reset signal output to the i. LINK system controller "L": reset
122	HDMI TX	I	Serial data input from the HDMI controller
123	HDMI RX	O	Serial data output to the HDMI controller
124	HDMI RESET	O	System reset signal output to the HDMI system controller "L": reset
125	FLASH SI	I	Serial data input from the RS-232C
126	FLASH SO	O	Serial data output to the RS-232C
127	ILINK CTS	O	Serial data transfer clock signal output to the i. LINK system controller
128	ILINK RTS	I	Serial data input from the i. LINK system controller
129	FL DATA	O	Serial data output to the fluorescent indicator tube
130	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
131	NO USE	-	Not used
132	END FLAG	O	End flag output to the remote commander interface
133	RST TRG	O	Reset signal output terminal
134	NMIX	-	Not used
135	XA-OUT	-	Not used
136	VSS	-	Ground terminal
137	XA-IN	-	Not used
138 to 140	MD2 to MD0	I	Model distination signal input terminal
141	X-IN	I	Main system clock input terminal (12.5 MHz)
142	VCC	-	Power supply terminal (+3.3V)
143	X-OUT	O	Main system clock output terminal (12.5 MHz)
144	XRESET	I	System reset signal input terminal "L": reset"
145	VSS	-	Ground terminal
146	VCC	-	Power supply terminal (+3.3V)
147, 148	POWER RY1, POWER RY2	O	Relay drive signal (for main power) output terminal "H": relay on
149, 150	FUNCTION JOG1, FUNCTION JOG2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)
151, 152	VOL JOG1, VOL JOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)
153	H.P. IN	I	Headphone detection signal input terminal "H": headphone is connected
154	LED CLR	O	Serial data transfer clock signal output to the LED driver
155	LED LAT	O	Serial data latch pulse signal output to the LED driver
156	FL CLR	O	Clear signal output to the fluorescent indicator tube
157	FL LAT	O	Serial data latch pulse output to the fluorescent indicator tube
158, 159	SP-SW FA, SP-SW FB	I	Front speaker selection switch input terminal
160, 161	SP-SW SA (A90), SP-SW SB (A90)	I	Not used
162	VSS	-	Ground terminal
163	VCC	-	Power supply terminal (+3.3V)
164	FSRATE	I	L/R sampling clock signal (44.1 kHz) input terminal
165	SUB-U DATA	I	Serial data input from the sub system controller
166	NO USE	-	Not used
167	EEPROM SDA	I/O	Two-way data bus with the EEPROM
168	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM

Pin No.	Pin Name	I/O	Description
169, 170	+/– JOG1, +/– JOG2	I	Jog dial pulse input from the rotary encoder (for –/+)
171, 172	PAGE JOG1, PAGE JOG2	I	Jog dial pulse input from the rotary encoder (for MENU)
173, 174	MAIN MENU JOG1, MAIN MENU JOG2	I	Jog dial pulse input from the rotary encoder (for MAIN MENU)
175	VSS	-	Ground terminal
176	VCC	-	Power supply terminal (+3.3V)

ILINK BOARD IC3002 HD6432365A19FV-TAA70 (I. LINK SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	MD0, MD1	-	Not used
3, 4	VSS	-	Ground terminal
5	MD2	-	Not used
6	VCC	-	Power supply terminal (+3.3V)
7	A0	-	Not used
8 to 11	A1 to A4	O	Address signal output to the i. link interface and flash memory
12	VSS	-	Ground terminal
13 to 20	A5 to A12	O	Address signal output to the i. link interface and flash memory
21	VSS	-	Ground terminal
22 to 25	A13 to A16	O	Address signal output to the i. link interface and flash memory
26	VSS	-	Ground terminal
27 to 29	A17 to A19	O	Address signal output to the i. link interface and flash memory
30 to 33	A20 to A23	-	Not used
34	EMLE	-	Not used
35, 36	VSS	-	Ground terminal
37	TD0	-	Not used
38	NMI	-	Not used
39	VCC	-	Power supply terminal (+3.3V)
40	ARMRST	O	System reset signal output to the i. link interface “L”: reset
41 to 56	-	-	Not used
57 to 63	D0 to D6	I/O	Two-way data bus with the i. link interface and flash memory
64	VSS	-	Ground terminal
65	D7	I/O	Two-way data bus with the i. link interface and flash memory
66	VCC	-	Power supply terminal (+3.3V)
67	NC	-	Not used
68	VSS	-	Ground terminal
69 to 76	D8 to D15	I/O	Two-way data bus with the i. link interface and flash memory
77	WAIT	I	Bus wait request signal input from the i. link interface
78, 79	CS5, CS6	-	Not used
80	LWR	-	Not used
81	HWR	O	Read/write enable signal output to the i. link interface and flash memory
82	RD	O	Read data output to the i. link interface and flash memory
83	-	-	Not used
84	PLLVCC	-	Power supply terminal (+3.3V)
85	RES	I	System reset signal input from the main system controller “L”: reset
86	PLLVSS	-	Ground terminal
87	CLK	O	Serial data transfer clock signal output to the i. link interface
88	VSS	-	Ground terminal
89	XTAL	O	System clock output terminal (24.576 MHz)
90	EXTAL	I	System clock input terminal (24.576 MHz)
91, 92	VCC	-	Power supply terminal (+3.3V)
93, 94	-	-	Not used
95	VSS	-	Ground terminal
96	STBY	-	Not used
97	-	-	Not used
98	CS_MEMZ	O	Chip select signal output to the i. link interface
99, 100	VSS	-	Ground terminal
101	CS2	O	Chip select signal output to the flash memory

Pin No.	Pin Name	I/O	Description
102	CS_IOZ	O	Chip select signal output to the i. link interface
103	AVCC	-	Power supply terminal (+3.3V)
104	VREF	I	Reference voltage input terminal (+3.3V)
105	ARMINT	I	Interrupt request signal input from the i. link interface
106 to 114	-	-	Not used
115	AVSS	-	Not used
116	TCK	-	Not used
117	TMS	-	Not used
118	TDI	-	Not used
119	CTS	I	Serial data transfer clock signal input from the main system controllaer
120	RTS	O	Serial data output to the main system controllaer
121	-	-	Not used
122	TRST	-	Not used
123, 124	-	-	Not used
125	RXD1	-	Not used
126	RXD0	I	Serial data input from the main system controllaer
127	TXD1	-	Not used
128	TXD0	O	Serial data output to the main system controllaer

ILINK BOARD IC3003 TSB43CA42PGF (I. LINK INTERFACE)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2, 3	TESTMODE0, TESTMODE1	-	Not used
4	VDD	-	Power supply terminal (+3.3V)
5	VCO_CLK	I	Clock signal input from the i. link DSP
6	REF_SYT	O	Signal output for phase comparison to the i. link DSP
7	DIV_VCO	O	Clock signal output for phase comparison to the i. link DSP
8	PFD	-	Not used
9	MLPCM_BCLK	O	Bit clock signal (2.8224 MHz) output to the i. link DSP
10	MLPCM_LRCK	O	L/R sampling clock (44.1 kHz) output to the i. link DSP
11 to 13	MLPCM_D0 to MLPCM_d2	O	PCM audio signal output to the i. link DSP
14	MLPCM_A	O	PCM audio supplementary signal output to the i. link DSP
15	GPIO2	O	SA-CD sled type signal output to the i. link DSP
16	GPIO3	O	SA-CD sled type signal output to the i. link DSP
17	GPIO4	O	44 kHz clock selelct signal output to the i. link DSP
18	GPIO5	O	FSSEL signal output to the i. link DSP
19	MSPCTL	-	Not used
20	VDD	-	Power supply terminal (+3.3V)
21	VSS	-	Ground terminal
22	CPS	-	Not used
23	AVDD	-	Power supply terminal (+3.3V)
24	AGND	-	Ground terminal
25, 26	TPB0_N,TPB0_P	I/O	i.link audio signal input/output terminal
27	AGND	-	Ground terminal
28	AVDD	-	Power supply terminal (+3.3V)
29, 30	TPA0_N,TPA0_P	I/O	i.link audio signal input/output terminal
31	TPBIAS0	O	Bias control signal output terminal for i. link input
32	AVDD	-	Power supply terminal (+3.3V)
33, 34	TPB1_N,TPB1_P	I/O	i.link audio signal input/output terminal
35	AGND	-	Ground terminal
36, 37	TPA1_N,TPA1_P	I/O	i.link audio signal input/output terminal
38	TPBIAS1	O	Bias control signal output terminal for i. link input
39, 40	NC	-	Not used
41	AVDD	-	Power supply terminal (+3.3V)
42 to 44	NC	-	Not used
45	AGND	-	Ground terminal
46, 47	R1. R0	-	Not used
48	AVDD	-	Power supply terminal (+3.3V)
49, 50	FILTER0, FILTER1	-	Not used
51	PLL_VDD	-	Power supply terminal (+3.3V)
52	XI	I	System clock input terminal (24.576 MHz)
53	XO	O	System clock output terminal (24.576 MHz)
54	PLL_GND	-	Ground terminal
55	VSS	-	Ground terminal
56	VDD	-	Power supply terminal (+3.3V)
57, 58	TEST_MODE2, TEST_MODE3	-	Not used
59	RESET	I	System reset signal input from the main system controller “L”: reset

Pin No.	Pin Name	I/O	Description
60	RESET_ARM	I	System reset signal input from the i. link system controller "L": reset
61	LINK_ON	-	Not used
62	HPS	-	Not used
63	LOW_PWR_RDY	-	Not used
64	DISABLE_IF	-	Not used
65	GPIO0	O	Reload timer output to the main system controller
66	GPIO1	O	Clock mode switch signal output terminal
67	SDA	-	Not used
68	SCL	-	Not used
69	GPIO6	O	FSSEL signal output to the i. link DSP
70	GPIO7	O	Data receive start signal and reset signal output to the i. link DSP
71	GPIO8	O	SA-CD channel select signal output to the i. link DSP
72	GPIO9	I	FSTATE signal input from the i. link DSP
73	REG_EN	-	Not used
74	REG_OUT	-	Not used
75	VDD	-	Power supply terminal (+3.3V)
76	VSS	-	Ground terminal
77	TMS	-	Not used
78	TDI	-	Not used
79	TDO	-	Not used
80	TCK	-	Not used
81	TRST	-	Not used
82	ARM_TMS	-	Not used
83	ARM_TDI	-	Not used
84	ARM_TDO	-	Not used
85	UART_TXD	-	Not used
86	UART_RXD	-	Not used
87	GPIO10	I	FSTATE signal input from the i. link DSP
88	TMR WTCHDOG	-	Not used
89	MCIF_INT	O	Interrupt request signal output to the i. link system controller
90	MCIF_CS_IO	I	Chip select signal input from the i. link system controller
91	MCIF_CS_MEM	I	Chip select signal input from the i. link system controller
92	MCIF_R_NW	-	Not used
93	MCIF_STRB	-	Not used
94	MCIF_WAIT	O	Bus wait request signal output to the i. link system controller
95	MCIF_ACK	-	Not used
96	MCIF_OE	I	Read data input from the i. link system controller
97	MCIF_WE	I	Read/write enable signal input from the i. link system controller
98	MCIF_BUSCLK	I	Serial data transfer clock signal input from the i. link system controller
99, 100	MCIF_DATA0, MCIF_DATA1	I/O	Two-way data bus with the i. link system controller and flash memory
101	VDD	-	Power supply terminal (+3.3V)
102	VSS	-	Ground terminal
103 to 114	MCIF_DATA2 to MCIF_DATA13	I/O	Two-way data bus with the i. link system controller and flash memory
115	REG_OUT	-	Not used
116	VDD	-	Power supply terminal (+3.3V)
117	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
118, 119	MCIF_DATA14, MCIF_DATA15	I/O	Two-way data bus with the i. link system controller and flash memory
120 to 129	MCIF_ADDR1 to MCIF_ADDR10	I	Address signal input from the i. link system controller
130	VDD	-	Power supply terminal (+3.3V)
131	VSS	-	Ground terminal
132	MCIFENDIAN	-	Not used
133	MCIF_MODE0	-	Not used
134	MCIF_MODE1	-	Not used
135	MCIF_MODE2	-	Not used
136	HSDI0_60958_IN	-	Not used
137	HSDI0_AMCLK_IN	-	Not used
138	HSDI0_CLK	-	Not used
139	HSDI0_EN	-	Not used
140	HSDI0_AV	-	Not used
141	HSDI0_SYNC	-	Not used
142	HSDI0_DVALID	-	Not used
143	HSDI0_D0	-	Not used
144	HSDI0_D1	-	Not used
145	VDD	-	Power supply terminal (+3.3V)
146	VSS	-	Ground terminal
147	HSDI0_D2	-	Not used
148	HSDI0_D3	-	Not used
149	HSDI0_D4	-	Not used
150	HSDI0_D5	-	Not used
151	HSDI0_D6	-	Not used
152	HSDI0_D7	-	Not used
153	HSDI1_CLK	O	DSD audio signal transfer clock signal output to the i. link DSP
154	HSDI1_EN	-	Not used
155	HSDI1_AV	-	Not used
156	HSDI1_SYNC	O	Sync signal output for DSD audio signal to the i. link DSP
157	HSDI1_DVALID	-	Not used
158, 159	HSDI1_D0, HSDI1_D1	O	DSD audio signal output to the i. link DSP
160	REG_OUT	-	Not used
161	VDD	-	Power supply terminal (+3.3V)
162	VSS	-	Ground terminal
163 to 167	HSDI1_D2 to HSDI1_D6	O	DSD audio signal output to the i. link DSP
168	HSDI1_D7	-	Not used
169	HSDI1_AMCLK_IN	I	Clock signal input from the i. link DSP
170	HSDI1_AMCLK_OUT	-	Not used
171	HSDI1_AUDIO_ERR	-	Not used
172	HSDI1_AUDIO_MUTE	O	Muting on/off control signal output to the i. link DSP
173	HSDI1_60958_IN	-	Not used
174	HSDI1_60958_OUT	O	SPDIF audio signal output to the i. link DSP
175	VDD	-	Power supply terminal (+3.3V)
176	VSS	-	Ground terminal

ILINK BOARD IC3014 DB-ACP401 (I. LINK DSP)

Pin No.	Pin Name	I/O	Description
1	VDDO	-	Power supply terminal (+3.3V)
2	SPDIFO	O	SPDIF audio signal output terminal
3 to 5	SDA3 to SDA1	O	Audio signal output terminal
6	SDA0	-	Not used
7	LRCKO	O	L/R sampling clock (44.1 kHz) output terminal
8	BCKO	O	Bit clock signal (2.8224 MHz) output terminal
9	AMCKO	O	Audio data transfer clock signal output terminal
10	AMCKEN	-	Not used
11	SDERRO	-	Not used
12	VSSO	-	Ground terminal
13	VDDO	-	Power supply terminal (+3.3V)
14	SDMUTE	-	Not used
15	SAPCMBCK	I	Bit clock signal (2.8224 MHz) input terminal
16	SAPCMLRCK	I	L/R sampling clock (44.1 kHz) input terminal
17 to 19	SAPCMD3 to SAPCMD1	I	Audio signal input terminal
20	SAMCKO	O	Audio data transfer clock signal output terminal
21	SADAO	-	Not used
22 to 25	SAD0 to SAD3	O	Audio signal output terminal
26	VSSCORE	-	Ground terminal
27	VDDCORE	-	Power supply terminal (+3.3V)
28, 29	SAD4, SAD5	O	Audio signal output terminal
30	SAFRO	-	Not used
31	TESTMD0	-	Not used
32	TESTMD1	-	Not used
33	PLLMD	-	Not used
34	SAPCMMD	-	Not used
35	REFCYCLE	-	Not used
36	RJMSBF	-	Not used
37	SEL512	-	Not used
38	CONT48	-	Not used
39	CLK48K	I	48 kHz clock signal input terminal
40	CLK48KI	-	Not used
41	CLK48KO	-	Not used
42	VSSO	-	Ground terminal
43	VDDO	-	Power supply terminal (+3.3V)
44	CONT44	-	Not used
45	CLK44K	I	44 kHz clock signal input terminal
46	CLK44KI	-	Not used
47	CLK44KO	-	Not used
48	SELOSC	-	Not used
49	XRESET	I	Reset signal input from the i. link interface
50	OUTPUTEN	-	Not used
51	FMODE	I	Clock mode switch signal input terminal
52, 53	SELDTYPE0, SELDTYPE1	I	SA-CD sled type signal input terminal
54	SEL44K	I	44 kHz clock selelct signal input terminal
55, 56	FSSEL0, FSSEL1	I	FSSEL signal input terminal
57	VSSO	-	Ground terminal
58	VDDO	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
59	RSSTART	I	Data receive start signal input terminal
60	SACHSEL	I	SA-CD channel select signal input terminal
61	FMUTE	-	Not used
62, 63	FSTATE0, FSTATE1	O	FSTATE signal output terminal
64	FSTATE2	-	Not used
65	TDI	-	Not used
66	TDO	-	Not used
67	TMS	-	Not used
68	TCK	-	Not used
69	TRST	-	Not used
70	SANKIN	I	Audio data transfer clock signal input terminal
71	SAFRIN	I	Sync signal input terminal for DSD audio signal
72	SAD0IN	I	DSD audio signal input terminal
73	VSSCO	-	Ground terminal
74	VDDCO	-	Power supply terminal (+3.3V)
75 to 79	SAD1IN to SAD5IN	I	DSD audio signal input terminal
80	SADAIN	I	DSD audio signal input terminal
81	AMCKIN	I	Clock signal input terminal
82	SPDIFIN	I	SPDIF audio signal input terminal
83	SDMUTEIN	I	Muting on/off control signal input terminal
84	SDERRIN	-	Not used
85	VCO2O	O	Clock signal output terminal
86	VCO1O	O	Serial data transfer clock signal output terminal
87	REFSTY	I	Signal input terminal for fase comparate
88	VCOIN	I	Clock signal input terminal for phase comparison
89	VCOEN	-	Not used
90	VSSCORE	-	Ground terminal
91	VDDCORE	-	Power supply terminal (+3.3V)
92	VSSO	-	Ground terminal
93	VSSPASS	-	Ground terminal
94	VDDPASS	-	Power supply terminal (+3.3V)
95	LPOUT	-	Not used
96	LPIN	-	Not used
97	VDDO	-	Power supply terminal (+3.3V)
98	BCKIN	I	Bit clock signal (2.8224 MHz) input terminal
99	LRCKIN	I	L/R sampling clock (44.1 kHz) input terminal
100 to 102	SDA1IN to SDA3IN	I	Audio signal input terminal
103	SDA0IN	I	PCM audio supplementary signal input terminal
104	VSSO	-	Ground terminal
105	VDDO	-	Power supply terminal (+3.3V)
106 to 119	SDA0 to SDA13	O	Address signal output to the SD-RAM
120 to 127	SDD0 to SDD7	I/O	Two-way data bus with the SD-RAM
128	VSSO	-	Ground terminal
129	VDDO	-	Power supply terminal (+3.3V)
130 to 137	SDD8 to SDD15	I/O	Two-way data bus with the SD-RAM
138	SDCKE	O	Clock enable signal output to the SD-RAM
139	SDCLK	O	Clock signal output to the SD-RAM
140	SDDQM	O	Output terminal of data input/output mask
141	SDRAS	O	Row address strobe signal output to the SD-RAM
142	SDCAS	O	Column address strobe signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
143	SDXWE	O	Data write enable signal output to the SD-RAM
144	VSSO	-	Ground terminal

ILINK BOARD IC3205 SII9031 (HDMI PANELLINK CINEMA RECEIVER)

Pin No.	Pin Name	I/O	Description
1	DE	O	Data enable signal output to the HDMI panellink cinema transmitter
2	HSYNC	O	Horizontal synchronize signal output to the HDMI panellink cinema transmitter
3	VSYNC	O	Vertical synchronize signal output to the HDMI panellink cinema transmitter
4	IOGND	-	Ground terminal
5	IOVCC	-	Power supply terminal (+3.3V)
6	DACOVCC	-	Power supply terminal (+3.3V)
7	DACAVCC	-	Power supply terminal (+3.3V)
8	DACAGND	-	Ground terminal
9	VREF	O	Reference voltage output terminal
10	RSET	-	Full scale adjust resistor connection terminal
11	COMP	-	Compensation terminal
12	DACGNDR	-	Ground terminal
13	DACVCCR	-	Power supply terminal (+3.3V)
14	ANRPR	O	Analog video (R or Pr) signal output terminal Not used
15	DACGNDG	-	Ground terminal
16	DACVCCG	-	Power supply terminal (+3.3V)
17	ANGY	O	Analog video (G or Y) signal output terminal Not used
18	DACGNDB	-	Ground terminal
19	DACVCCB	-	Power supply terminal (+3.3V)
20	ANBPB	O	Analog video (B or Pb) signal output terminal Not used
21	DACDGND	-	Ground terminal
22	DACDVCC18	-	Power supply terminal (+1.8V)
23	CVCC18	-	Power supply terminal (+1.8V)
24	CGND	-	Ground terminal
25	IOGND	-	Ground terminal
26	IOVCC	-	Power supply terminal (+3.3V)
27	CSDA	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, HDMI controller, digital chroma decoder, progressive scan converter and video decoder
28	CSCL	I	I2C clock signal input from the HDMI controller
29	DSDA1	I/O	I2C two-way data bus with the HDMI ASSIGNABLE IN 1 jack
30	DSCL1	I	I2C clock signal input from the HDMI ASSIGNABLE IN 1 jack
31	DADA0	I/O	I2C two-way data bus with the HDMI ASSIGNABLE IN 2 jack
32	DSCL0	I	I2C clock signal input from the HDMI ASSIGNABLE IN 2 jack
33	R1PWR5V	I	HDMI ASSIGNABLE IN 1 jack detection signal input terminal
34	R0PWR5V	I	HDMI ASSIGNABLE IN 2 jack detection signal input terminal
35	DVCC18	-	Power supply terminal (+1.8V)
36	DGND	-	Ground terminal
37	PVCC0	-	Power supply terminal (+3.3V)
38	AVCC	-	Power supply terminal (+3.3V)
39	R0XC-	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 2 jack
40	R0XC+	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 2 jack
41	AGND	-	Ground terminal
42	AVCC	-	Power supply terminal (+3.3V)
43	R0X0-	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
44	R0X0+	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
45	AGND	-	Ground terminal
46	AVCC	-	Power supply terminal (+3.3V)
47	R0X1-	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
48	R0X1+	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack

Pin No.	Pin Name	I/O	Description
49	AGND	-	Ground terminal
50	AVCC	-	Power supply terminal (+3.3V)
51	R0X2-	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
52	R0X2+	I	TMDS data input from the HDMI ASSIGNABLE IN 2 jack
53	AGND	-	Ground terminal
54	TMDSPGND	-	Ground terminal
55	PVCC1	-	Power supply terminal (+3.3V)
56	RSVD_A	-	Not used
57	AVCC	-	Power supply terminal (+3.3V)
58	R1XC-	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 1 jack
59	R1XC+	I	TMDS clock signal input from the HDMI ASSIGNABLE IN 1 jack
60	AGND	-	Ground terminal
61	AVCC	-	Power supply terminal (+3.3V)
62	R1X0-	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
63	R1X0+	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
64	AGND	-	Ground terminal
65	AVCC	-	Power supply terminal (+3.3V)
66	R1X1-	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
67	R1X1+	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
68	AGND	-	Ground terminal
69	AVCC	-	Power supply terminal (+3.3V)
70	R1X2-	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
71	R1X2+	I	TMDS data input from the HDMI ASSIGNABLE IN 1 jack
72	AGND	-	Ground terminal
73	DGND	-	Ground terminal
74	DVCC18	-	Power supply terminal (+1.8V)
75	IOGND	-	Ground terminal
76	IOVCC	-	Power supply terminal (+3.3V)
77	MUTEOUT	O	Audio muting signal output terminal
78	SPDIF	O	S/PDIF signal output to the digital audio interface and HDMI panellink cinema transmitter
79	CVCC	-	Power supply terminal (+1.8V)
80	CGND	-	Ground terminal
81	SD3	O	Serial data output to the HDMI panellink cinema transmitter
82 to 84	SD2 to SD0	O	Serial data output to the DSP and HDMI panellink cinema transmitter
85	WS	O	Word select signal output to the DSP and HDMI panellink cinema transmitter
86	SCK	O	Serial clock signal output to the DSP and HDMI panellink cinema transmitter
87	MCKIN	I	Audio master clock input terminal
88	MCKOUT	O	Audio master clock signal DSP and HDMI panellink cinema transmitter
89	IOVCC	-	Power supply terminal (+3.3V)
90	IOGND	-	Ground terminal
91	CGND	-	Ground terminal
92	CVCC18	-	Power supply terminal (+1.8V)
93	NC	-	Not used
94	AUDPVCC18	-	Power supply terminal (+1.8V)
95	AUDPGND	-	Ground terminal
96	XTALOUT	O	System clock output terminal (28.322 MHz)
97	XTALIN	I	System clock input terminal (28.322 MHz)
98	XTALVCC	-	Power supply terminal (+3.3V)
99	REGVCC	-	Power supply terminal (+3.3V)
100	NC	-	Not used

Pin No.	Pin Name	I/O	Description
101	RSVDL	I	Not used
102	RESET	I	Reset signal input from the HDMI controller "L": reset
103	SCDT	O	Not used
104	INT	O	Interrupt signal output to the HDMI controller
105	CVCC18	-	Power supply terminal (+1.8V)
106	CGND	-	Ground terminal
107	CLK48B	I	Data bus latch enable signal input terminal Not used
108	IOGND	-	Ground terminal
109	IOVCC	-	Power supply terminal (+3.3V)
110 to 113	Q23 to Q20	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
114	CVCC18	-	Power supply terminal (+1.8V)
115	CGND	-	Ground terminal
116 to 119	Q19 to Q16	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
120	IOGND	-	Ground terminal
121	ODCK	O	Output data clock signal output to the HDMI panellink cinema transmitter
122	IOVCC	-	Power supply terminal (+3.3V)
123 to 126	Q15 to Q12	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
127	CGND	-	Ground terminal
128	CVCC18	-	Power supply terminal (+1.8V)
129 to 133	Q11 to Q7	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
134	IOVCC	-	Power supply terminal (+3.3V)
135	IOGND	-	Ground terminal
136, 137	Q6, Q5	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder
138	CGND	-	Ground terminal
139	CVCC18	-	Power supply terminal (+1.8V)
140 to 144	Q4 to Q0	I/O	I2C two-way data bus with the HDMI panellink cinema transmitter, progressive scan converter and video decoder

ILINK BOARD IC3209 uPD70F3210HYGC (HDMI CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	AVDD	-	Power supply terminal (+3.3V)
2	AVSS	-	Ground terminal
3 to 7	NC	-	Not used
8	VPP	-	Not used
9	VDD	-	Power supply terminal (+3.3V)
10	REGC	-	Not used
11	VSS	-	Ground terminal
12	10M	I	System clock input terminal (10 MHz)
13	10M	O	System clock output terminal (10 MHz)
14	RESET	I	System reset signal input from the main system controller "L": reset
15	GND	-	Ground terminal
16	OPEN	-	Not used
17, 18	NC	-	Not used
19	SYSCONS IN	-	Not used
20	SYSCONS OUT	-	Not used
21	SYSCONSSLK	-	Not used
22	232COUT	-	Connect to jig
23	232CIN	-	Connect to jig
24 to 27	NC	-	Not used
28	UC3V_SDA	I/O	Two-way data bus with the HDMI circuit
29	UC3V_SCL	O	Serial data transfer clock signal output to the HDMI circuit
30	EVSS	-	Ground terminal
31	EVDD	-	Power supply terminal (+3.3V)
32	RX_INT	I	Interrupt status input from the HDMI panellink cinema receiver
33	RX_RST	O	System reset signal output to the HDMI panellink cinema receiver "L": reset
34	EEPROM_SEL01	O	Change signal output terminal of serial data used for EEPROM
35	RX_HPG_DTCT00	I	HDMI connector (HDMI ASSIGNABLE IN 2) detection signal input terminal
36	RX_HPG_DTCT01	I	HDMI connector (HDMI ASSIGNABLE IN 1) detection signal input terminal
37	VDAC_RST	O	System reset signal output to the video encoder "L": reset
38	MAINCPU_TX	O	Serial data output to the main system controller
39	MAINCPU_RX	I	Serial data input from the main system controller
40	TX_INT	I	Interrupt status input from the HDMI panellink cinema transmitter
41	TX_RST	O	System reset signal output to the HDMI panellink cinema transmitter "L": reset
42	TX_HPG	O	Power on/off control signal output to the HDMI controller (HDMI MONITOR OUT) section
43	EEPROM_SEL00	O	Change signal output terminal of serial data used for EEPROM
44 to 48	NC	-	Not used
49	FLHS	-	Not used
50	CLKOUT	-	Not used
51 to 61	NC	-	Not used
62	FLMD1	-	Not used
63, 64	NC	-	Not used
65	FL_CTRL	-	Not used
66 to 69	NC	-	Not used
70	PROU-OUT-SW	O	Data control signal output to the bus switch
71	PROU-RST	O	System reset signal output to the progressive scan converter "L": reset
72	CDX3805_RST	O	System reset signal output to the digital chroma decoder "L": reset
73	CDX3805_INT	I	Interrupt status input from the digital chroma decoder
74 to 80	NO_USE	-	Not used

ILINK BOARD IC3402 CXD3805AR (DIGITAL CHROMA DECODER)

Pin No.	Pin Name	I/O	Description
1	AVD	-	Power supply terminal (+3.3V)
2	REFSEL	-	Not used
3	PCK	-	Not used
4	AVS	-	Ground terminal
5	HPLLO	-	Not used
6	AVS	-	Ground terminal
7	RPLLHD	-	Not used
8	AVD	-	Power supply terminal (+3.3V)
9	SADSEL0	-	Not used
10	SADSEL1	-	Not used
11	SDA	I/O	Two-way data bus with the HDMI controller
12	SCL	I	Serial data transfer clock signal input from the HDMI controller
13	AVS	-	Ground terminal
14	INTR	O	Interrupt request signal output to the HDMI controller
15	NOSIGDET	-	Not used
16	XRST	I	System reset signal input from the HDMI controller “L”: reset
17 to 19	AVS	-	Ground terminal
20	VD	-	Power supply terminal (+1.8V)
21	VS	-	Ground terminal
22	TCK	-	Not used
23	TDI	-	Not used
24	TMS	-	Not used
25	TRST	I	System reset signal input from the HDMI controller “L”: reset
26 to 29	AVS	-	Ground terminal
30	TDO	-	Not used
31, 32	NC	-	Not used
33	AVS	-	Ground terminal
34	GRCK	-	Not used
35	AVD	-	Power supply terminal (+3.3V)
36 to 45	GRIN0 to GRIN9	-	Not used
46	AVS	-	Ground terminal
47	DCK1	-	Ground terminal
48	AVS	-	Ground terminal
49	DCK2	-	Ground terminal
50	AVD	-	Power supply terminal (+3.3V)
51 to 60	DIN0 to DIN9	-	Not used
61	YS	-	Not used
62	AVS	-	Ground terminal
63	FSCK	I	System clock input (27 MHz) terminal
64	VD	-	Power supply terminal (+1.8V)
65	VS	-	Ground terminal
66	27MHz	O	System clock output (27 MHz) terminal
67	AVS	-	Ground terminal
68	-	-	Not used
69	AVD	-	Power supply terminal (+3.3V)
70, 71	DOUT0, DOUT1	O	Video signal output terminal Not used
72 to 74	DOUT2 to DOUT4	O	Video signal output terminal
75	AVS	-	Ground terminal
76 to 80	DOUT5 to DOUT9	O	Video signal output terminal

Pin No.	Pin Name	I/O	Description
81	AVS	-	Ground terminal
82	-	-	Not used
83	AVD	-	Power supply terminal (+3.3V)
84	VD	-	Power supply terminal (+1.8V)
85	VS	-	Ground terminal
86	AVS	-	Ground terminal
87	-	-	Not used
88	AVS	-	Ground terminal
89	-	-	Not used
90	AVS	-	Ground terminal
91	AVD	-	Power supply terminal (+3.3V)
92	DQ0	I/O	Serial data input/output terminal with the SD-RAM
93	DQ15	I/O	Serial data input/output terminal with the SD-RAM
94	DQ1	I/O	Serial data input/output terminal with the SD-RAM
95	DQ14	I/O	Serial data input/output terminal with the SD-RAM
96	AVS	-	Ground terminal
97	DQ2	I/O	Serial data input/output terminal with the SD-RAM
98	DQ13	I/O	Serial data input/output terminal with the SD-RAM
99	DQ3	I/O	Serial data input/output terminal with the SD-RAM
100	DQ12	I/O	Serial data input/output terminal with the SD-RAM
101	AVS	-	Ground terminal
102	AVD	-	Power supply terminal (+3.3V)
103	DQ4	I/O	Serial data input/output terminal with the SD-RAM
104	DQ11	I/O	Serial data input/output terminal with the SD-RAM
105	DQ5	I/O	Serial data input/output terminal with the SD-RAM
106	DQ10	I/O	Serial data input/output terminal with the SD-RAM
107	AVS	-	Ground terminal
108	DQ6	I/O	Serial data input/output terminal with the SD-RAM
109	DQ9	I/O	Serial data input/output terminal with the SD-RAM
110	DQ7	I/O	Serial data input/output terminal with the SD-RAM
111	DQ8	I/O	Serial data input/output terminal with the SD-RAM
112	AVS	-	Ground terminal
113	VD	-	Power supply terminal (+1.8V)
114	VS	-	Ground terminal
115	DQM	O	Output terminal of data input/output mask
116	XWE	O	Data write enable signal output to the SD-RAM
117	XCAS	O	Column address strobe signal output to the SD-RAM
118	AVD	-	Power supply terminal (+3.3V)
119	AVS	-	Ground terminal
120	SDCK	O	Clock signal output to the SD-RAM
121	AVS	-	Ground terminal
122	XRAS	O	Row address strobe signal output to the SD-RAM
123	CKE	O	Clock enable signal output to the SD-RAM
124	XCS	O	Chip select signal output to the SD-RAM
125	AVD	-	Power supply terminal (+3.3V)
126	BA0	O	Address signal output to the SD-RAM
127	ADDR11	O	Address signal output to the SD-RAM
128	BA1	O	Address signal output to the SD-RAM
129	ADDR9	O	Address signal output to the SD-RAM
130	ADDR10	O	Address signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
131	ADDR8	O	Address signal output to the SD-RAM
132	ADDR0	O	Address signal output to the SD-RAM
133	AVS	-	Ground terminal
134	ADDR7	O	Address signal output to the SD-RAM
135	ADDR1	O	Address signal output to the SD-RAM
136	ADDR6	O	Address signal output to the SD-RAM
137	ADDR2	O	Address signal output to the SD-RAM
138	ADDR5	O	Address signal output to the SD-RAM
139	ADDR3	O	Address signal output to the SD-RAM
140	ADDR4	O	Address signal output to the SD-RAM
141	AVS	-	Ground terminal
142	AVD	-	Power supply terminal (+3.3V)
143	VD	-	Power supply terminal (+1.8V)
144	VS	-	Ground terminal
145	AVSPL2	-	Ground terminal
146, 147	VCO, VCI	-	Not used
148	AVDPL2	-	Power supply terminal (+1.8V)
149	VRT1	-	Not used
150	GIN	-	Not used
151	AVSAD	-	Ground terminal
152	VRM1	-	Not used
153	AVSAD	-	Ground terminal
154	RIN	-	Not used
155	AVDAD	-	Power supply terminal (+1.8V)
156	CIN	I	Video signal (CR) input terminal
157	AVSAD	-	Ground terminal
158	VRB1	-	Not used
159	DVDAD	-	Power supply terminal (+1.8V)
160	DVSAD	-	Ground terminal
161	BIN	I	Video signal (CB) input terminal
162	AVSAD	-	Ground terminal
163	VRT2	-	Not used
164	AVDAD	-	Power supply terminal (+1.8V)
165	VRM2	-	Not used
166	AVSAD	-	Ground terminal
167	CVBSIN	I	Video signal (CVBS) input terminal
168	VRB2	-	Not used
169	AVDPL1	-	Power supply terminal (+1.8V)
170	AVSPL1	-	Ground terminal
171	VD6	-	Power supply terminal (+1.8V)
172	VS6	-	Ground terminal
173	REFCK27	I	System clock input (27 MHz) terminal
174	AVS	-	Ground terminal
175	REFCK80	-	Not used
176	AVS	-	Ground terminal

VIDEO BOARD IC3501 MB90089F-G-238-BND (OSD DRIVER)

Pin No.	Pin Name	I/O	Description
1	YIN	I	Y (luminance) signal input terminal Not used
2	CIN	I	C (color) signal input terminal Not used
3	VIN	I	Composite video signal input terminal Not used
4	AVCC	-	Power supply terminal (+3.3V) (for analog system)
5	FSCO	O	Internal color burst phase display signal output terminal Not used
6	VBLK	O	Vertical blanking period signal output terminal Not used
7	VCC	-	Power supply terminal (+3.3V)
8	EXS	I	Input terminal from the clock generator for external color burst connected to crystal vibrator (NTSC: 14.31 MHz terminal, PAL: 17.734 MHz)
9	XS	O	Output terminal from the clock generator for external color burst connected to crystal vibrator (NTSC: 14.31 MHz, PAL: 17.734 MHz) Not used
10	HSYNC	O	Horizontal sync signal output terminal
11	VSYNC	O	Vertical sync signal output terminal
12	EXHSYN	I	External horizontal sync signal input terminal Not used
13	EXVSYN	I	External vertical sync signal input terminal Not use
14	VSS	-	Ground terminal
15	EXD	I	Dot clock generator connecting terminal for display
16	XD	O	Dot clock generator connecting terminal for display
17	VOB	O	Character and background period signal output terminal Not used
18 to 20	VOC2 to VOC0	O	Color signal output terminal Not used
21	TEST	I	Setting terminal for the test “L”: test (normally: fixed at “H”)
22	SCLK	I	Serial data transfer clock signal input from the main system controller
23	SIN	I	Serial data input from the main system controller
24	CS	I	Serial data latch pulse signal input from the main system controller
25	VOUT	O	Composite video signal output terminal Not used
26	COUT	O	C (color) signal output terminal
27	YOUT	O	Y (luminance) signal output terminal
28	AVSS	-	Ground terminal (for analog system)

ILINK BOARD IC3502 CXD9837R (PROGRESSIVE SCAN CONVERTER)

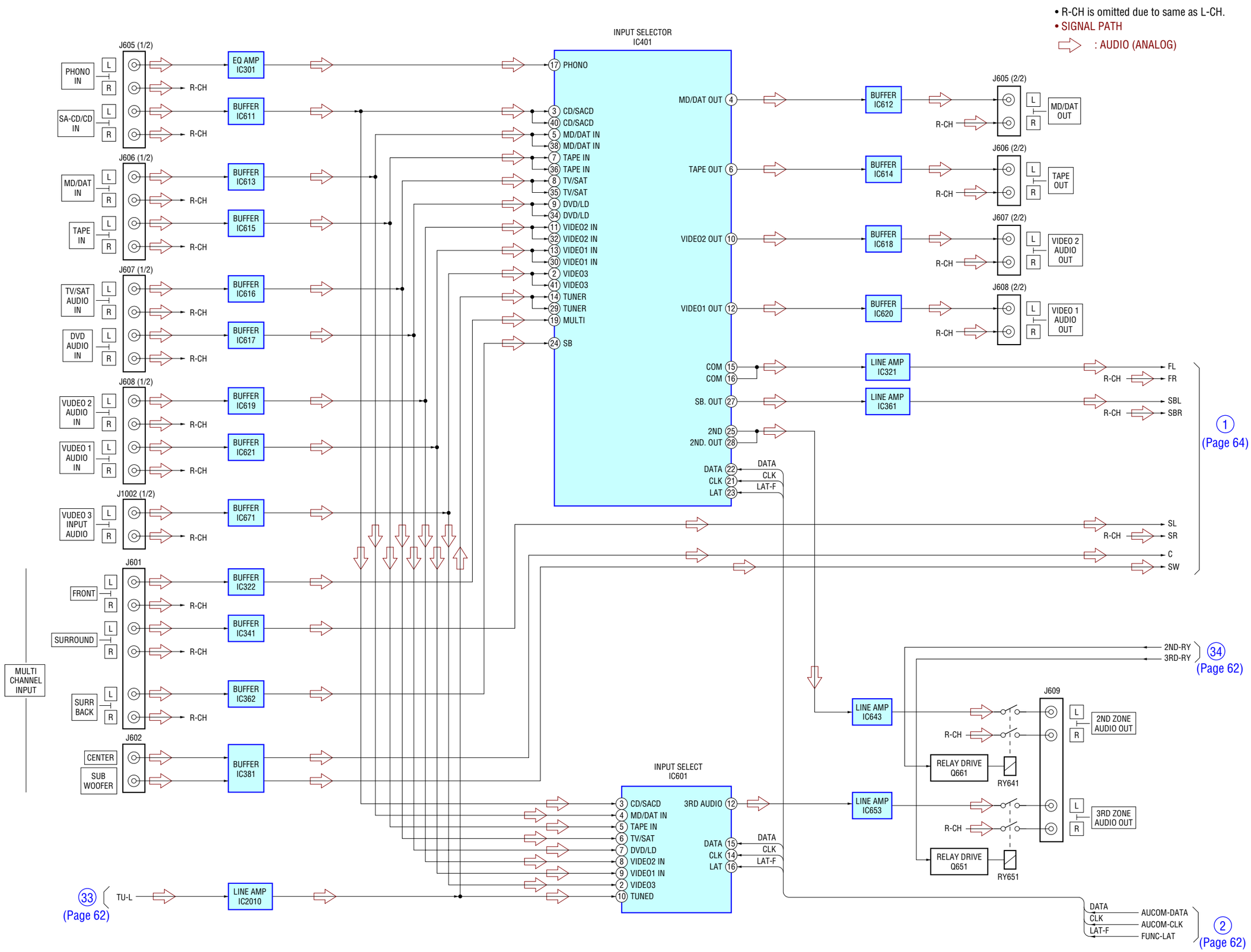
Pin No.	Pin Name	I/O	Description
1	DVDD	-	Power supply terminal (+3.3V) (for I/O)
2	CLKI	I	System clock input (27 MHz) terminal
3	TEST7 (PLL TEST)	I	Terminal for test Fixed at "L" in this set
4	PLL EN	I	PLL enable signal input terminal
5, 6	PI0, PI1	-	Not used
7	PI2	I	Video data input terminal
8	PI3	I	Y signal input terminal
9	PI4	I	Chroma signal input terminal
10	PI5	I	Video signal input terminal
11	PI6	I	Chroma signal input terminal
12, 13	PI7, PI8	I	Component video signal input terminal
14	PI9	I	Video data input terminal
15	NHSI	I	Horizontal sync signal input terminal Not used
16	NVSI	I	Vertical sync signal input terminal Not used
17	OVSS	-	Ground terminal (for I/O)
18	THRM (IVSS)	I	Through mode setting terminal Fixed at "L" in this set
19	CVSS	-	Ground terminal (for core)
20	NVSO	O	Vertical sync signal output terminal
21	NHSO	O	Horizontal sync signal output terminal
22 to 25	PO9 to PO6	O	Video signal output terminal
26	OVDD	-	Power supply terminal (+3.3V) (for I/O)
27	OVSS	-	Ground terminal (for I/O)
28 to 31	PO5 to PO2	O	Video signal output terminal
32, 33	PO1, PO0	O	Video signal output terminal
34	TEST0	I	Terminal for test Fixed at "L" in this set
35	OVSS	-	Ground terminal (for I/O)
36	OVDD	-	Power supply terminal (+3.3V) (for I/O)
37	CVDD	-	Power supply terminal (+2.5V) (for core)
38	TEST1	I	Terminal for test Fixed at "L" in this set
39	TEST2	I	Terminal for test Fixed at "L" in this set
40	CLKO	O	System clock output (27 MHz) terminal
41 to 45	YO9 to YO5	O	Video signal output terminal
46	OVDD	-	Power supply terminal (+3.3V) (for I/O)
47	OVSS	-	Ground terminal (for I/O)
48 to 52	YO4 to YO0	O	Video signal output terminal
53	OVDD	-	Power supply terminal (+3.3V) (for I/O)
54	CVSS	-	Ground terminal (for core)
55	OVSS	-	Ground terminal (for I/O)
56 to 60	CO0 to CO4	O	Video signal output terminal
61	OVDD	-	Power supply terminal (+3.3V) (for I/O)
62	OVSS	-	Ground terminal (for I/O)
63 to 67	CO5 to CO9	O	Video signal output terminal
68	FILM	O	Filim sequence detection flag output terminal Not used
69	(W3IF) REFI	I	MPEG flag (repeat first field flag) input terminal Not used
70	OVSS	-	Ground terminal (for I/O)
71	CVDD	-	Power supply terminal (+2.5V) (for core)
72	IVDD	-	Power supply terminal (+3.3V) (for I/O)
73	OVDD	-	Power supply terminal (+3.3V) (for I/O)
74 to 77	MD19 to MD16	I/O	Two-way data bus terminal Not used

Pin No.	Pin Name	I/O	Description
78	OVDD	-	Power supply terminal (+3.3V) (for I/O)
79	OVSS	-	Ground terminal (for I/O)
80 to 83	MA3, MA4, MA2, MA5	O	Address signal output to the SD-RAM
84	OVDD	-	Power supply terminal (+3.3V) (for I/O)
85	OVSS	-	Ground terminal (for I/O)
86 to 89	MA1, MA6, MA0, MA7	O	Address signal output to the SD-RAM
90	OVSS	-	Ground terminal (for I/O)
91	(IVSS) TEST5	-	Ground terminal (for I/O)
92	CVSS	-	Ground terminal (for core)
93	OVDD	-	Power supply terminal (+3.3V) (for I/O)
94 to 97	MA10, MA8, MA11, MA9	O	Address signal output to the SD-RAM
98	OVDD	-	Power supply terminal (+3.3V) (for I/O)
99	OVSS	-	Ground terminal (for I/O)
100	RAS	O	Row address strobe signal output to the SD-RAM
101	(CKE) DQM	O	Data mask signal output to the SD-RAM
102	CAS	O	Column address strobe signal output to the SD-RAM
103	MCLK	O	Serial data transfer clock signal output to the SD-RAM
104	WE	O	Write enable signal output to the SD-RAM
105	TEST3	I	Terminal for test Fixed at “L” in this set
106	TEST4	I	Terminal for test Fixed at “L” in this set
107	OVSS	-	Ground terminal (for I/O)
108	OVDD	-	Power supply terminal (+3.3V) (for I/O)
109	CVDD	-	Power supply terminal (+2.5V) (for core)
110 to 113	MD7, MD8, MD6, MD9	I/O	Two-way data bus with the SD-RAM
114	OVDD	-	Power supply terminal (+3.3V) (for I/O)
115	OVSS	-	Ground terminal (for I/O)
116 to 119	MD5, MD10, MD4, MD11	I/O	Two-way data bus with the SD-RAM
120	OVDD	-	Power supply terminal (+3.3V) (for I/O)
121	OVSS	-	Ground terminal (for I/O)
122 to 125	MD3, MD12, MD2, MD13	I/O	Two-way data bus with the SD-RAM
126	OVSS	-	Ground terminal (for I/O)
127	CVSS	-	Ground terminal (for core)
128	OVDD	-	Power supply terminal (+3.3V) (for I/O)
129 to 132	MD1, MD14, MD0, MD15	I/O	Two-way data bus with the SD-RAM
133	SLV	I	MPU interface slave address setting terminal Slave address setting: 0 x 72 when SLV is “0”, 0 x 70 when SLV is “1”
134	RFFO (CSB)	O	MPEG flag (repeat first field flag) output terminal Not used
135	SDA	I/O	Two-way data bus with the HDMI controller
136	SCL	I	Serial data transfer clock signal input from the HDMI controller
137	SRN	I	System reset signal input from the HDMI controller “L”: reset
138	OVSS	-	Ground terminal (for I/O)
139	CVDD	-	Power supply terminal (+2.5V) (for core)
140	PLL VDD	-	Power supply terminal (+2.5V) (for PLL)
141	VPDX (CPOUT)	-	Not used
142	TEST6 (VCOIN)	I	Terminal for test Fixed at “L” in this set
143	PLL_GND	-	Ground terminal (for I/O)
144	IVDD	-	Power supply terminal (+3.3V) (for I/O)

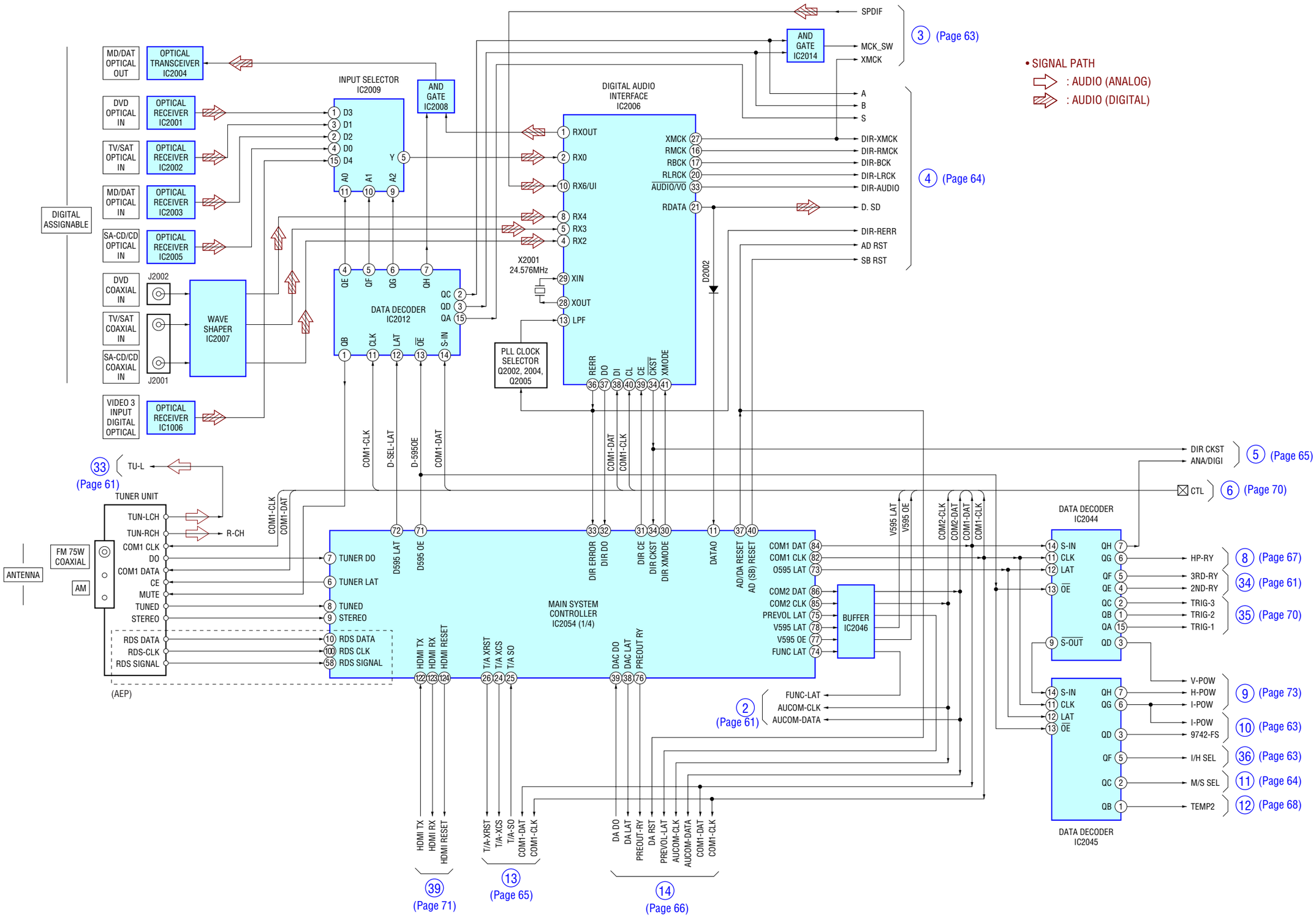
ILINK BOARD IC3504 ADV7320KSTZ (VIDEO ENCODER)

Pin No.	Pin Name	I/O	Description
1	VDD_IO	-	Power supply terminal (+3.3V)
2 to 9	P_Y (0) to P_Y (7)	I	Video signal input terminal
10	VDD	-	Power supply terminal (+2.5V)
11	GND	-	Ground terminal
12, 13	P_Y (8), P_Y (9)	I	Video signal input terminal
14 to 18	P_C (0) to P_C (4)	I	Video signal input terminal
19	SPI_I2C_EN	-	Not used
20	ALSB	-	Not used
21	SDA	I/O	Two-way data bus with the HDMI controller
22	SCL	I	Serial data transfer clock signal input from the HDMI controller
23	P_HSYNC	I	Horizontal sync signal input terminal Not used
24	P_VSYNC	I	Vertical sync signal input terminal Not used
25	P_BLANK	I	Blanking signal input terminal Not used
26 to 30	P_C (5) to P_C (9)	I	Video signal input terminal
31	RTC/SCRESET/TR	-	Not used
32	CLKIN	I	System clock input (27 MHz) terminal
33	RESET8	I	System reset signal input terminal “L”: reset
34	EXT_LF	I	Connected to the external loop filter
35	RSET2	I	Component video signal output level adjustment signal terminal
36	COMP2	-	Not used
37	CR/B	O	Video signal (red) output terminal
38	CB/R	O	Video signal (blue) output terminal
39	Y/G	O	Video signal (green) output terminal
40	GND	-	Ground terminal
41	VAA	-	Power supply terminal (+2.5V)
42	C	O	Chroma video signal output terminal
43	Y	O	Luma video signal output terminal
44	V	O	CVBS video signal output terminal
45	COMP1	-	Not used
46	VREF	-	Not used
47	RSET1	I	Composite video signal output level adjustment signal terminal
48	S_BLANK	I	Blanking signal input terminal Not used
49	S_VSYNC	I	Vertical sync signal input terminal Not used
50	S_HSYNC	I	Horizontal sync signal input terminal Not used
51 to 55	S (0) to S (4)	I	Video signal input terminal
56	VDD	-	Power supply terminal (+2.5V)
57	GND	-	Ground terminal
58 to 62	S (5) to S (9)	I	Video signal input terminal
63	CLKIN_2	I	System clock input (27 MHz) terminal
64	GND_IO	-	Ground terminal

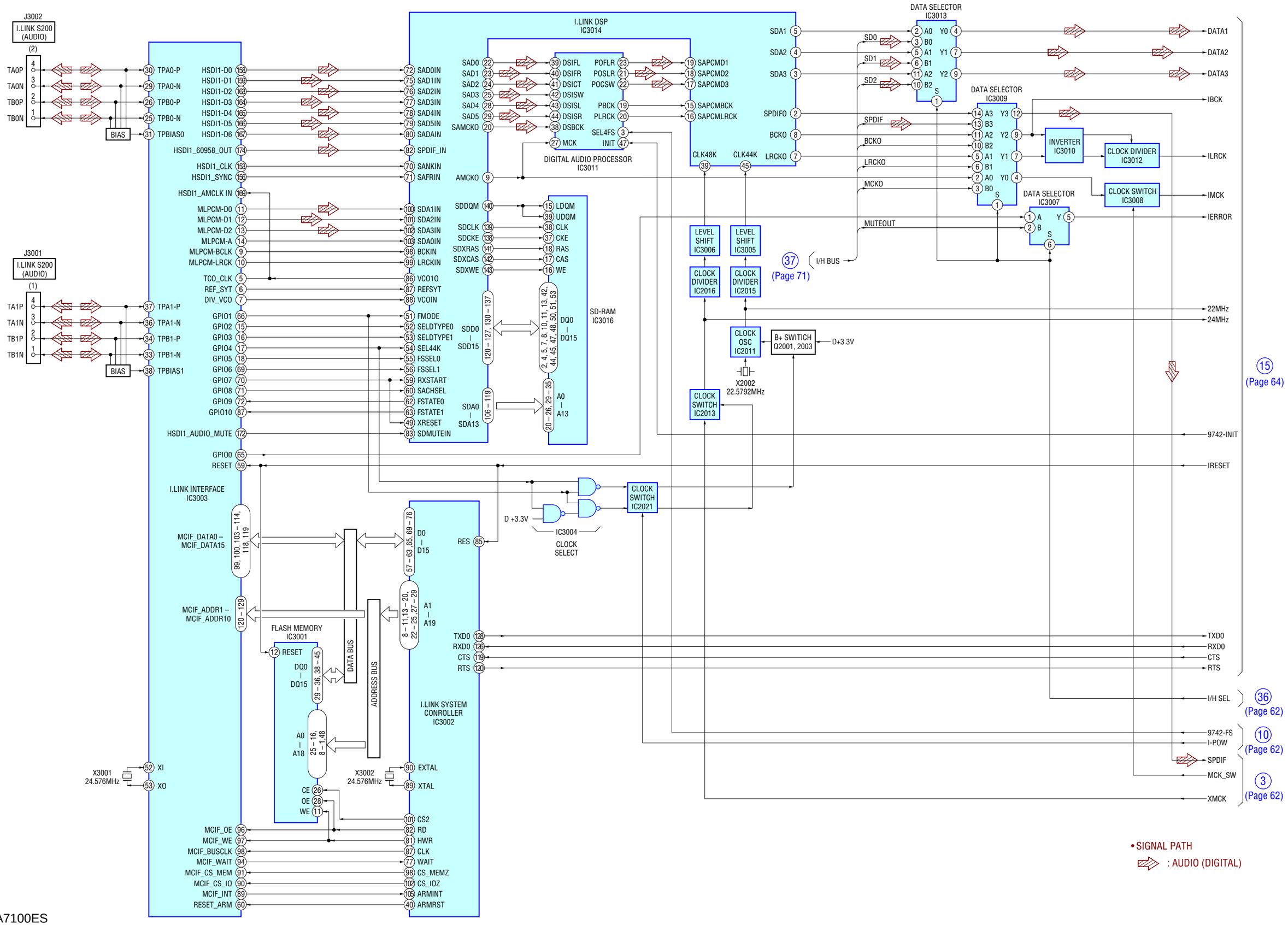
6-1. BLOCK DIAGRAM – AUDIO INPUT SECTION –



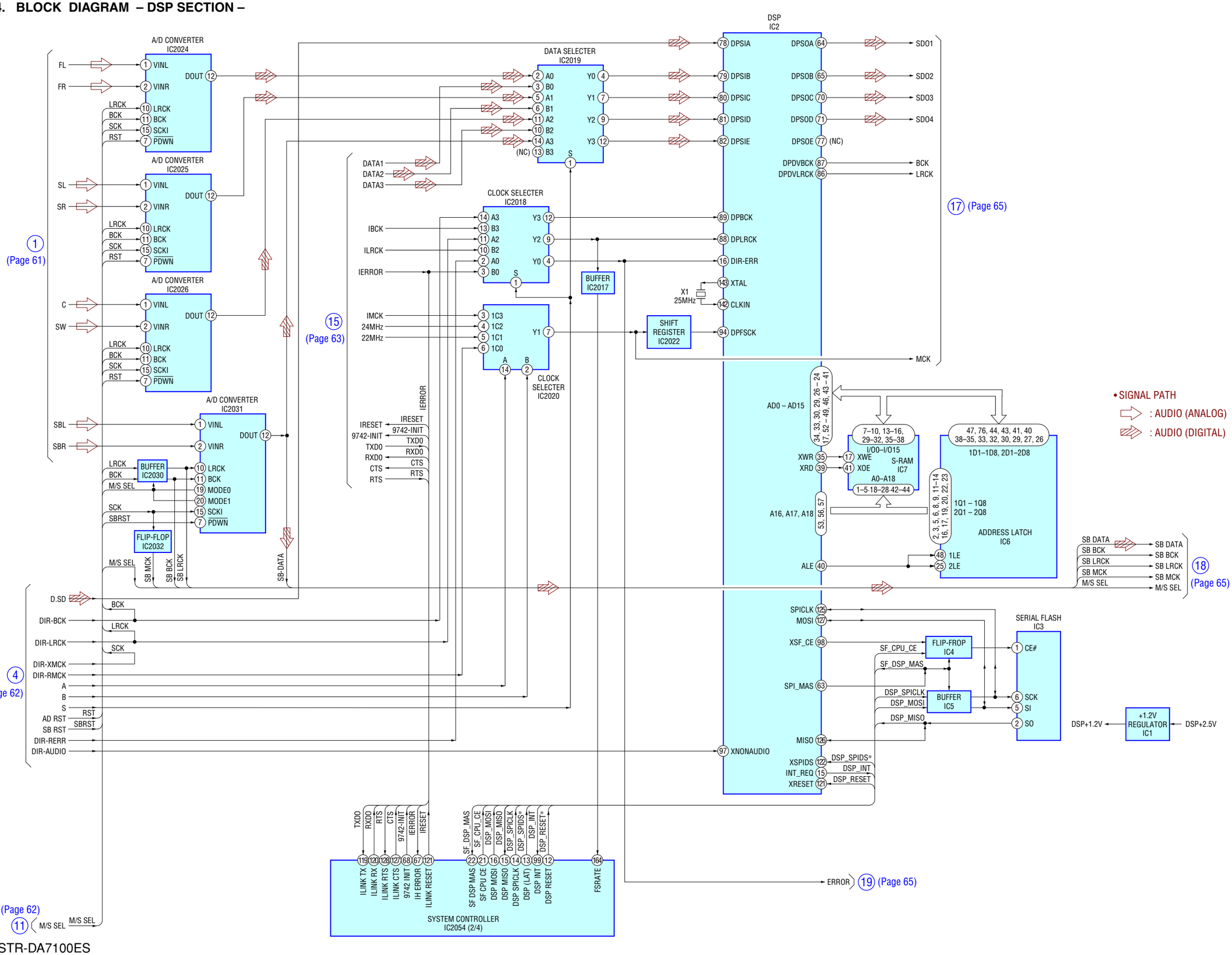
6-2. BLOCK DIAGRAM – CONTROL SECTION –



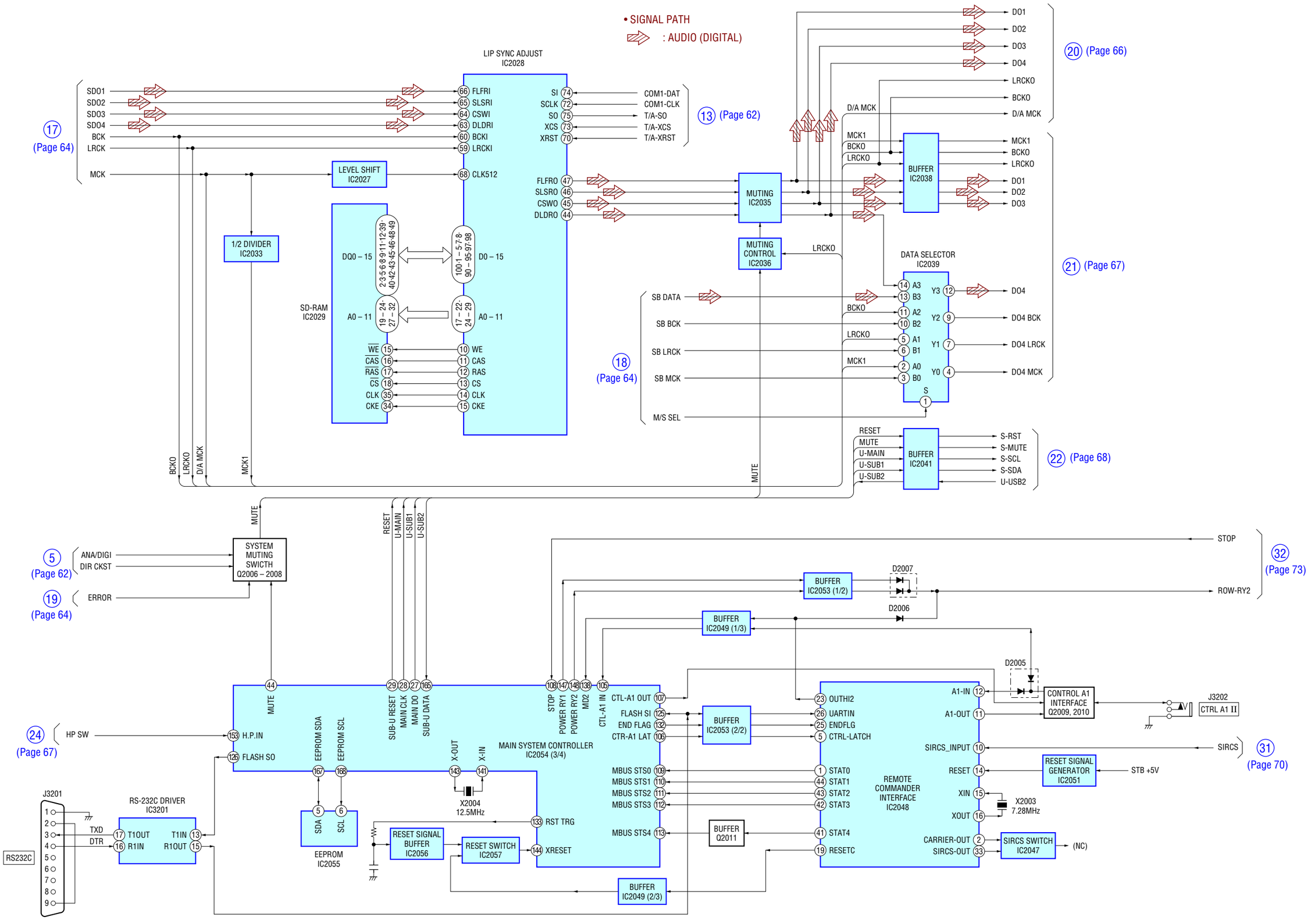
6-3. BLOCK DIAGRAM – i.LINK SECTION –



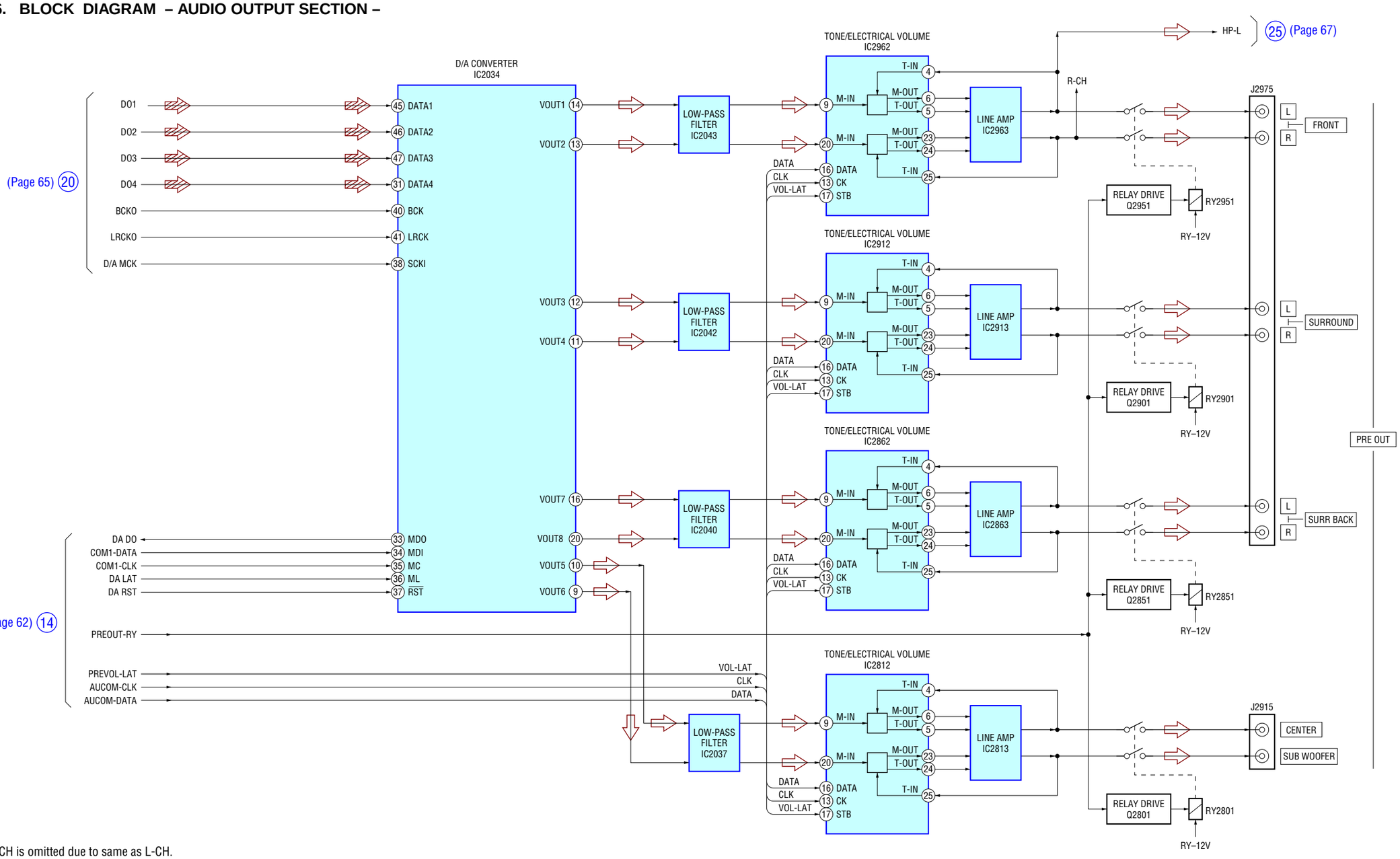
6-4. BLOCK DIAGRAM – DSP SECTION –



6-5. BLOCK DIAGRAM – DIGITAL AUDIO SECTION –

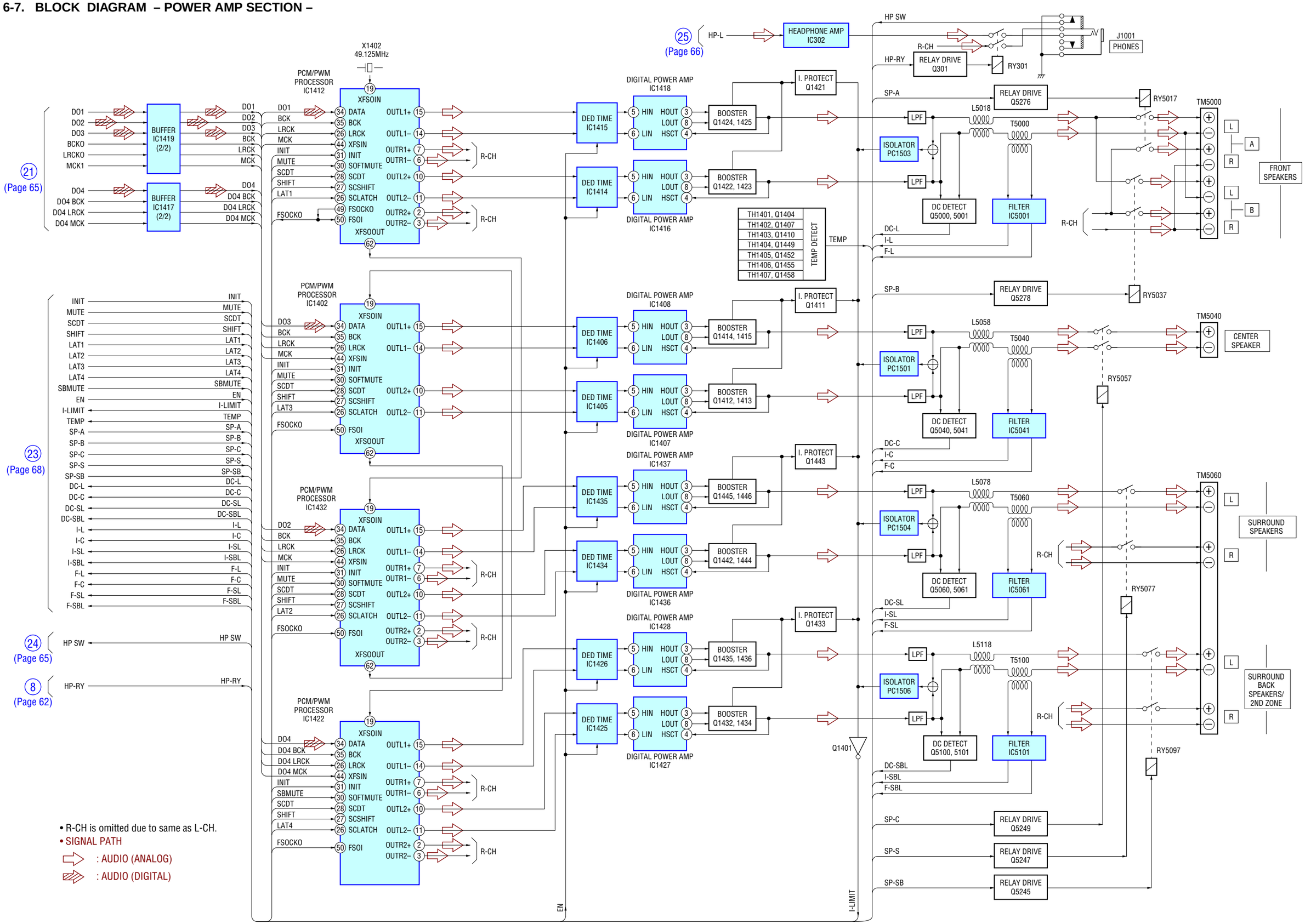


6-6. BLOCK DIAGRAM – AUDIO OUTPUT SECTION –

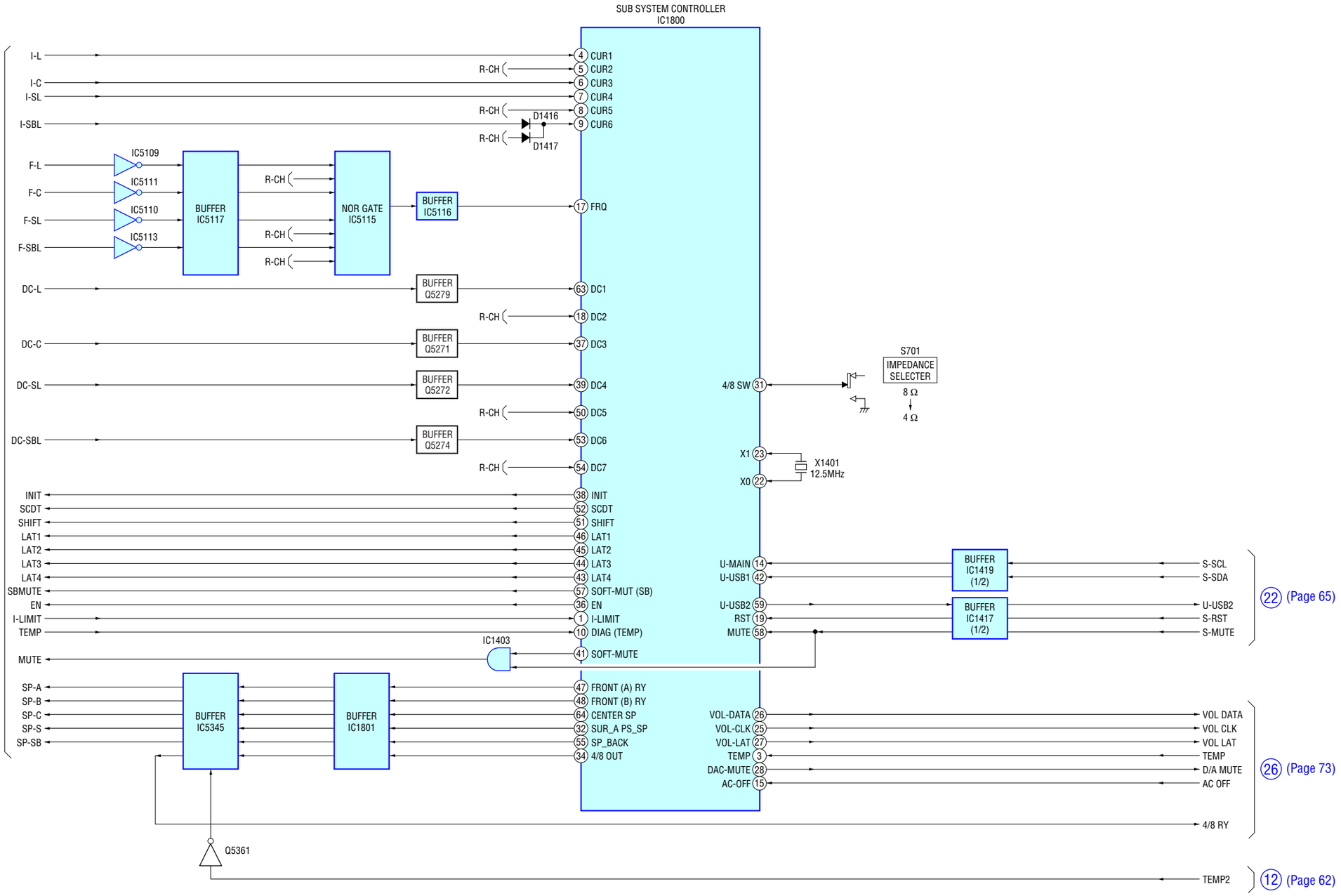


• R-CH is omitted due to same as L-CH.
• SIGNAL PATH
⇨ : AUDIO (ANALOG)
⇨ : AUDIO (DIGITAL)

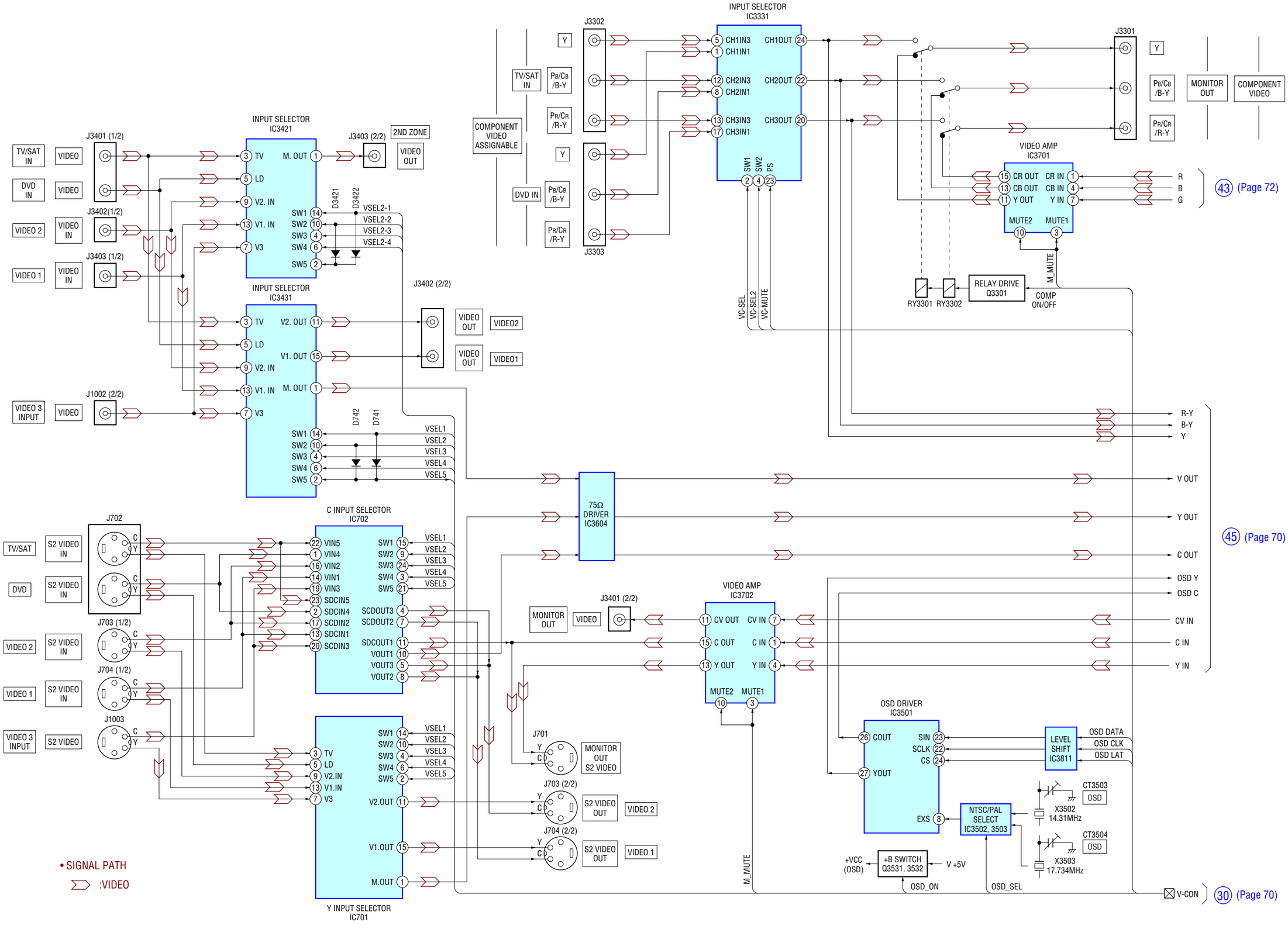
6-7. BLOCK DIAGRAM – POWER AMP SECTION –



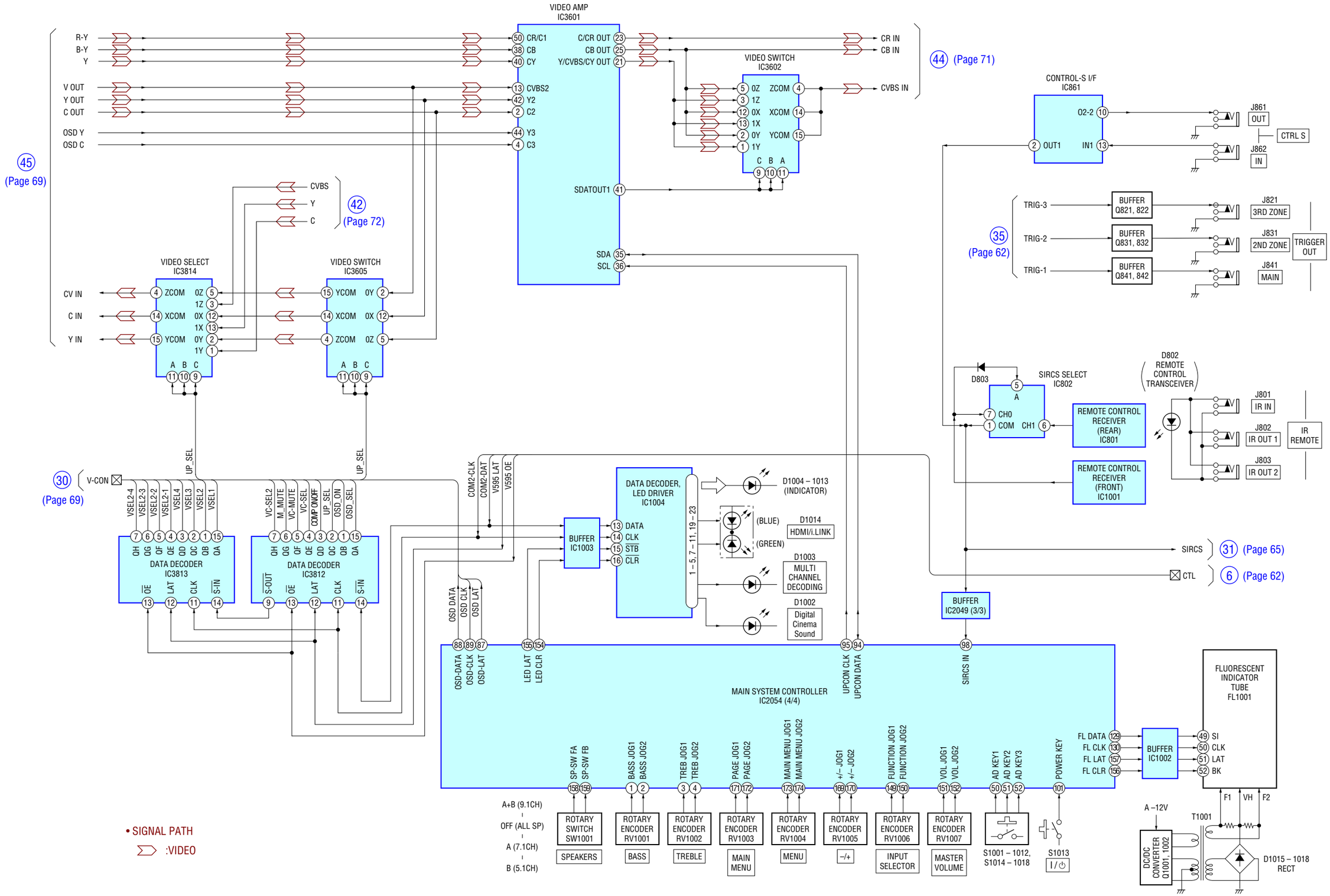
6-8. BLOCK DIAGRAM – SUB SECTION –



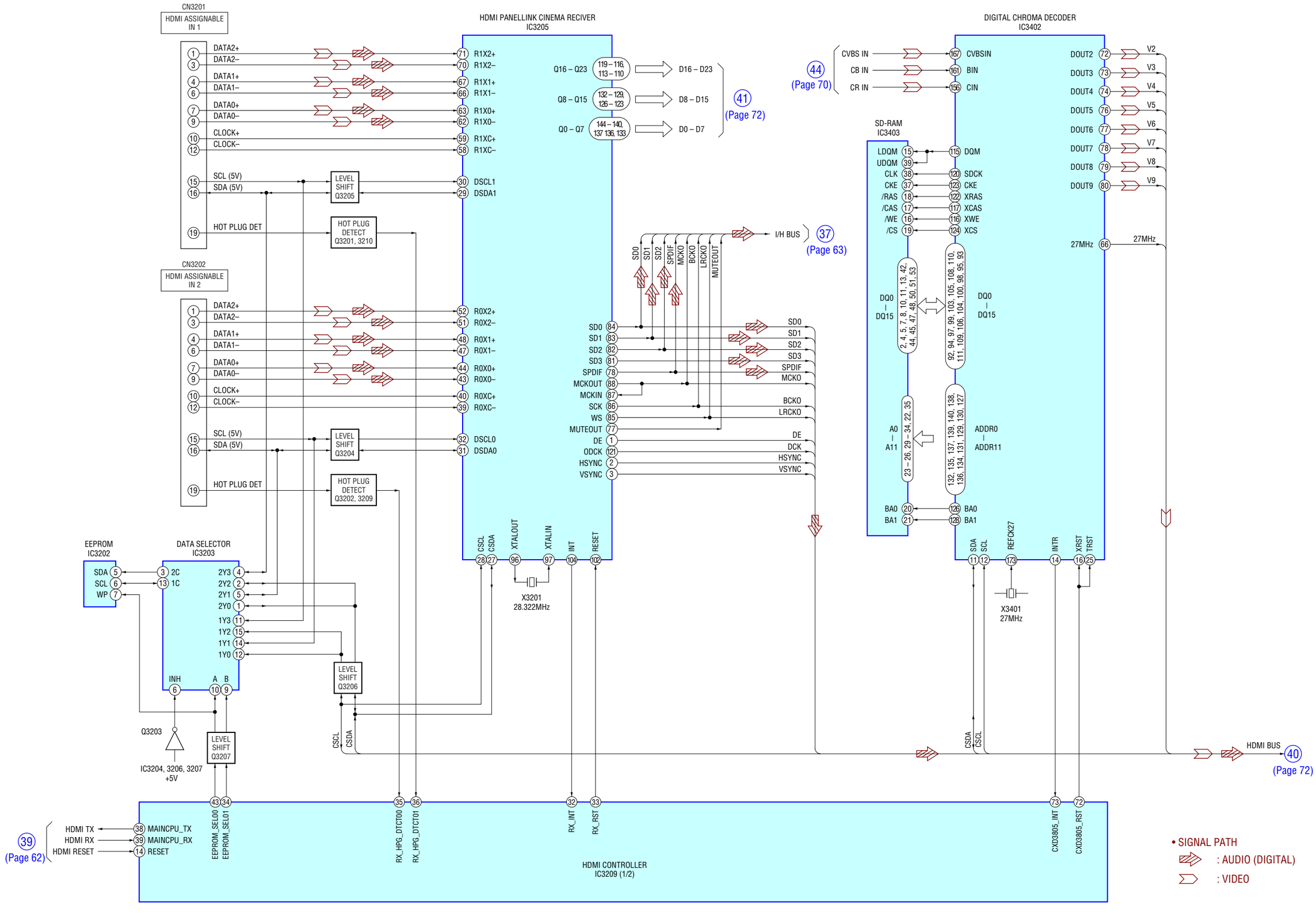
6-9. BLOCK DIAGRAM – VIDEO INPUT SECTION –



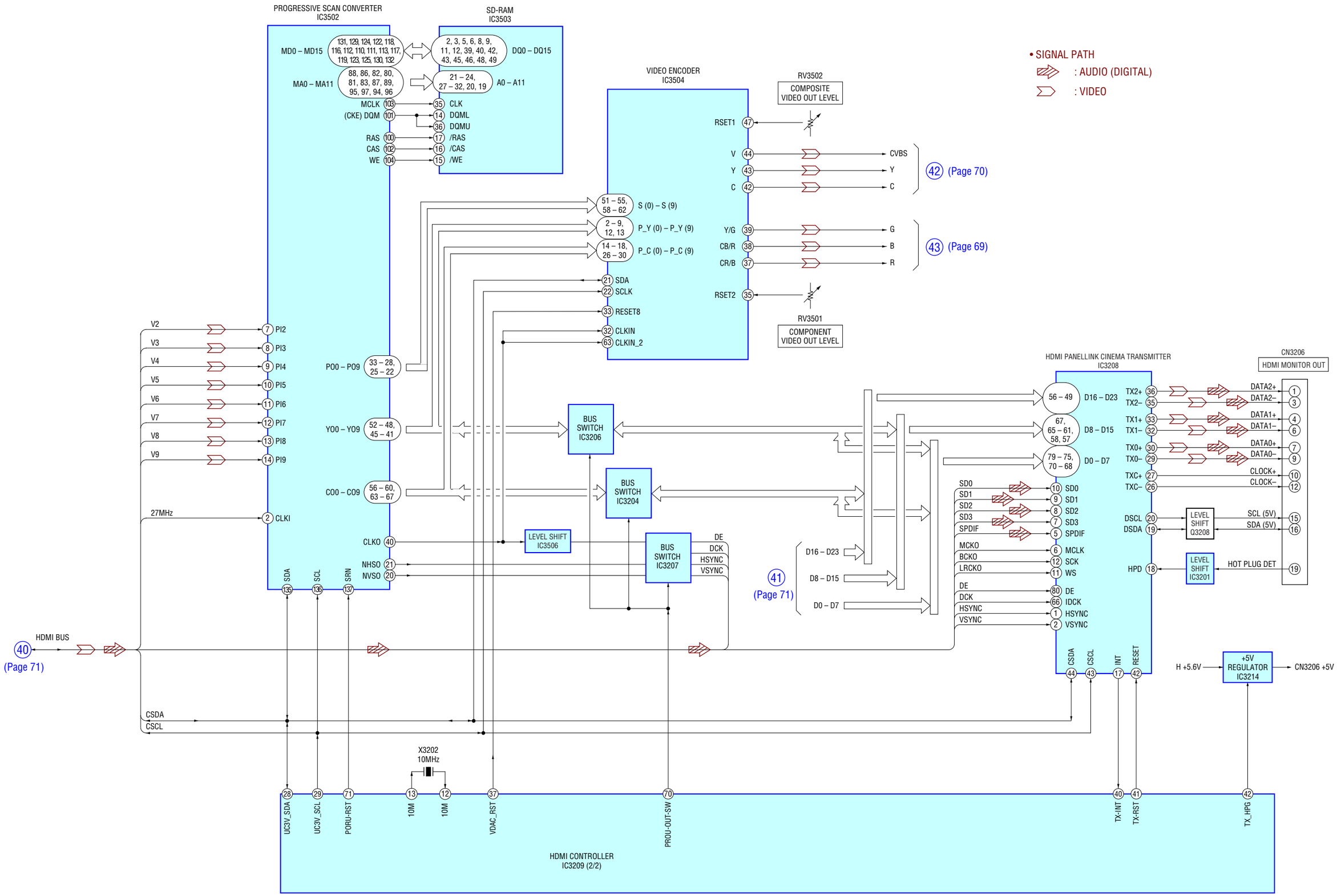
6-10. BLOCK DIAGRAM – CIS DISPLAY SECTION –



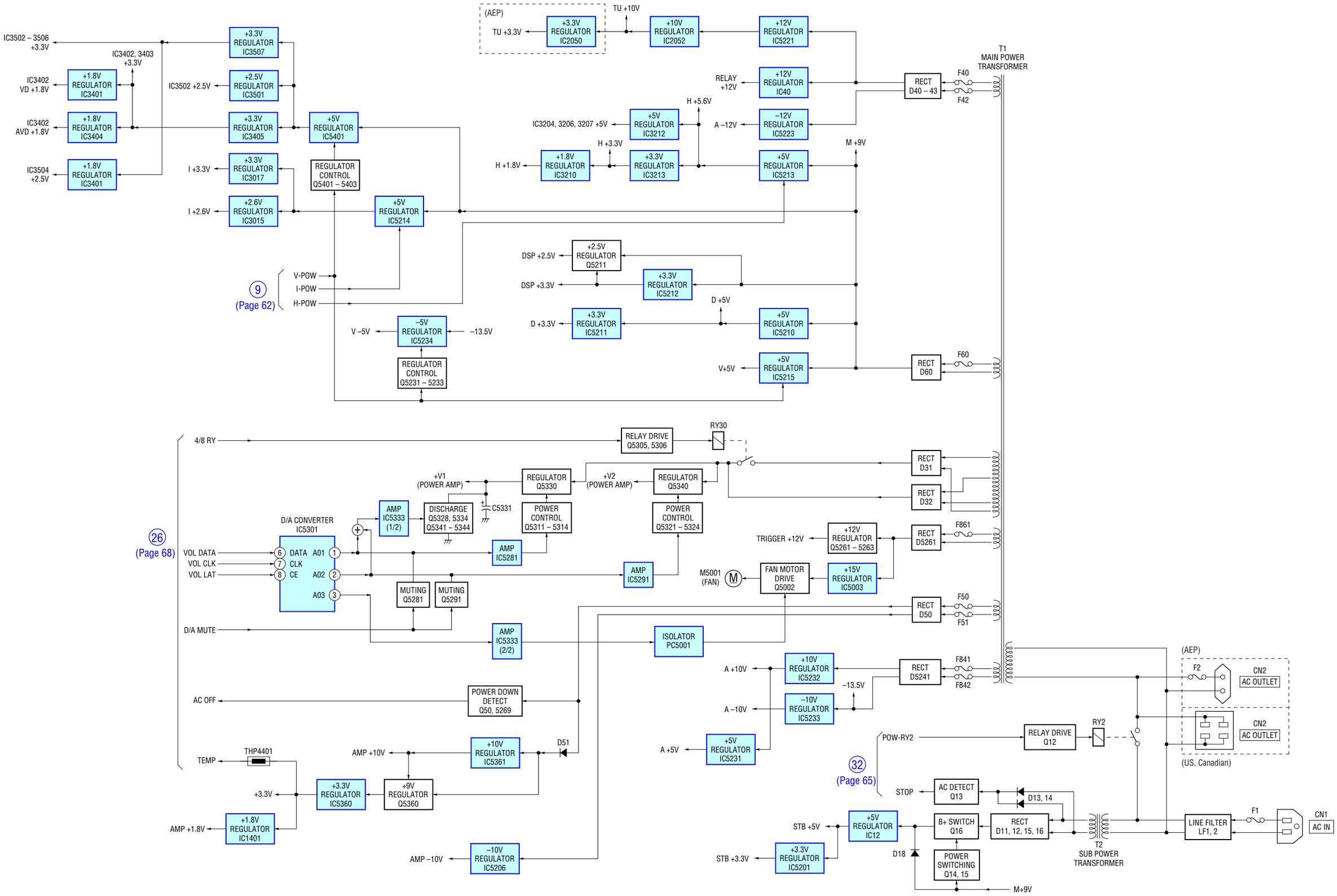
6-11. BLOCK DIAGRAM – HDMI RECEIVER SECTION –



6-12. BLOCK DIAGRAM – HDMI TRASCEIVER SECTION –



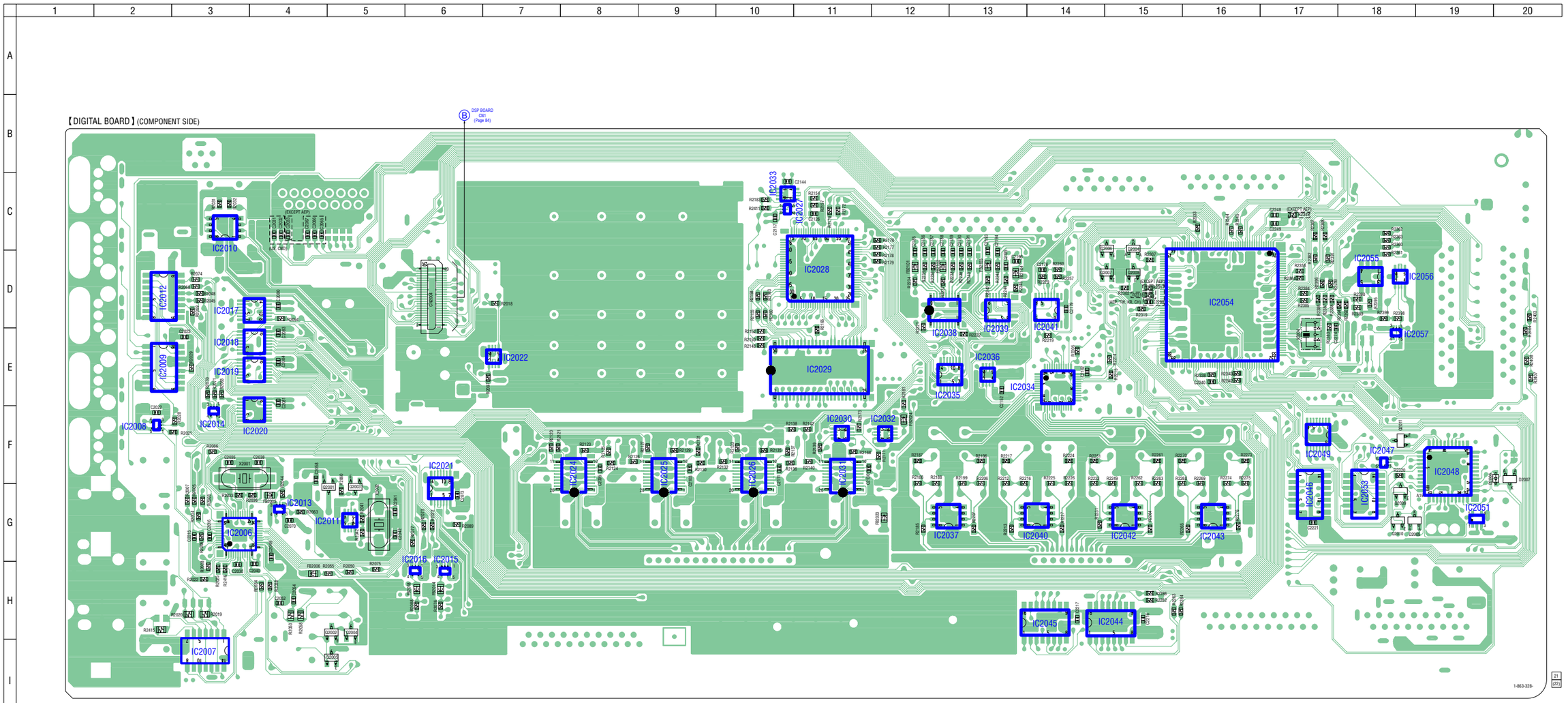
6-13. BLOCK DIAGRAM – POWER SUPPLY SECTION –



6-14. PRINTED WIRING BOARD – DIGITAL BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.



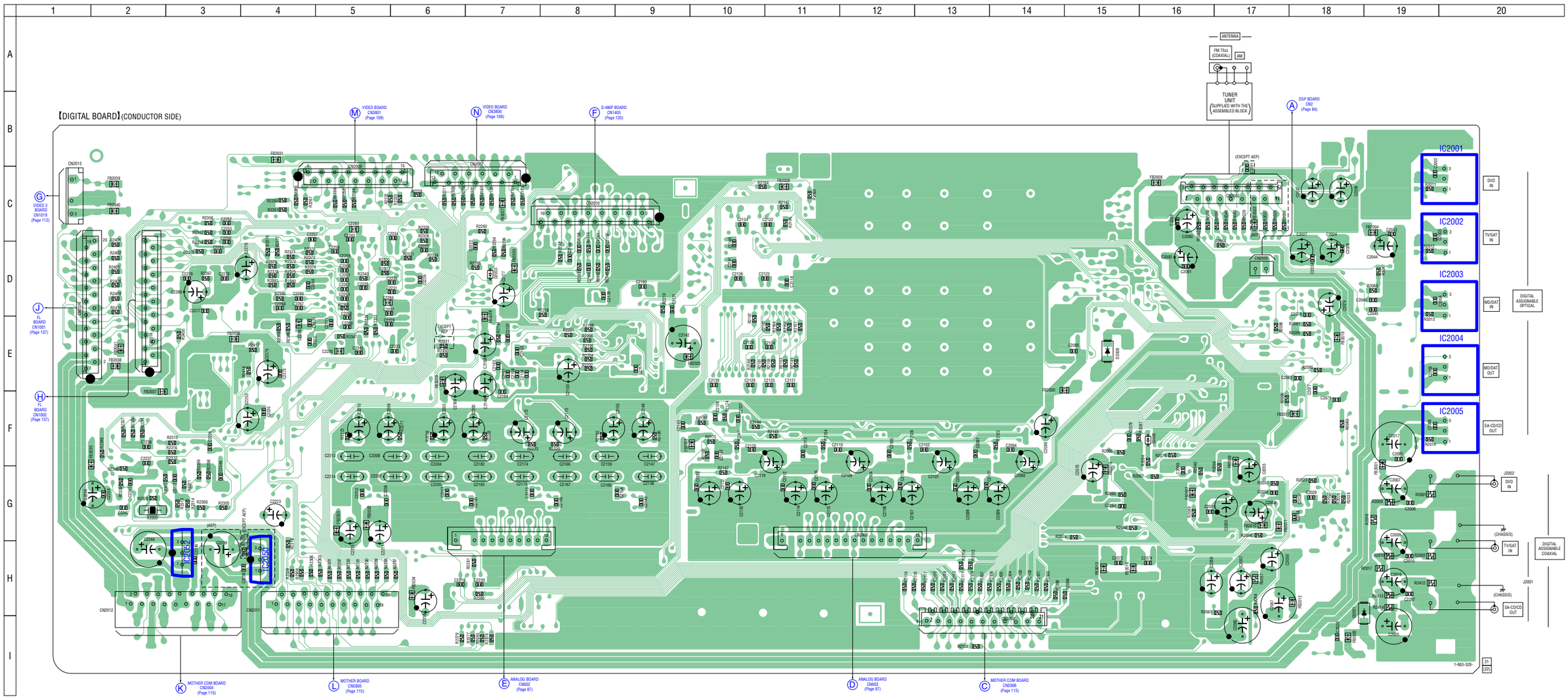
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2004	D-15	IC2018	E-4	IC2036	E-13	IC2055	D-18
D2005	G-18	IC2019	E-4	IC2037	G-12	IC2056	D-18
D2006	F-20	IC2020	F-4	IC2038	D-12	IC2057	E-18
D2007	F-20	IC2021	G-6	IC2039	D-13		
		IC2022	E-7	IC2040	G-14	Q2001	G-5
IC2006	G-3	IC2024	F-8	IC2041	D-14	Q2002	H-5
IC2007	I-3	IC2025	F-9	IC2042	G-15	Q2003	G-5
IC2008	F-2	IC2026	F-10	IC2043	G-16	Q2004	H-5
IC2009	E-2	IC2027	C-10	IC2044	H-15	Q2005	I-5
IC2010	C-3	IC2028	D-11	IC2045	H-14	Q2006	D-15
IC2011	G-5	IC2029	E-11	IC2046	G-17	Q2007	D-15
IC2012	D-2	IC2030	F-11	IC2047	F-18	Q2008	D-15
IC2013	G-4	IC2031	F-11	IC2048	F-19	Q2009	G-18
IC2014	F-3	IC2032	F-12	IC2049	F-17	Q2010	G-18
IC2015	H-6	IC2033	C-10	IC2051	G-19	Q2011	F-18
IC2016	H-6	IC2034	E-14	IC2053	G-18		
IC2017	D-4	IC2035	E-13	IC2054	D-16		

6-15. PRINTED WIRING BOARD – DIGITAL BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

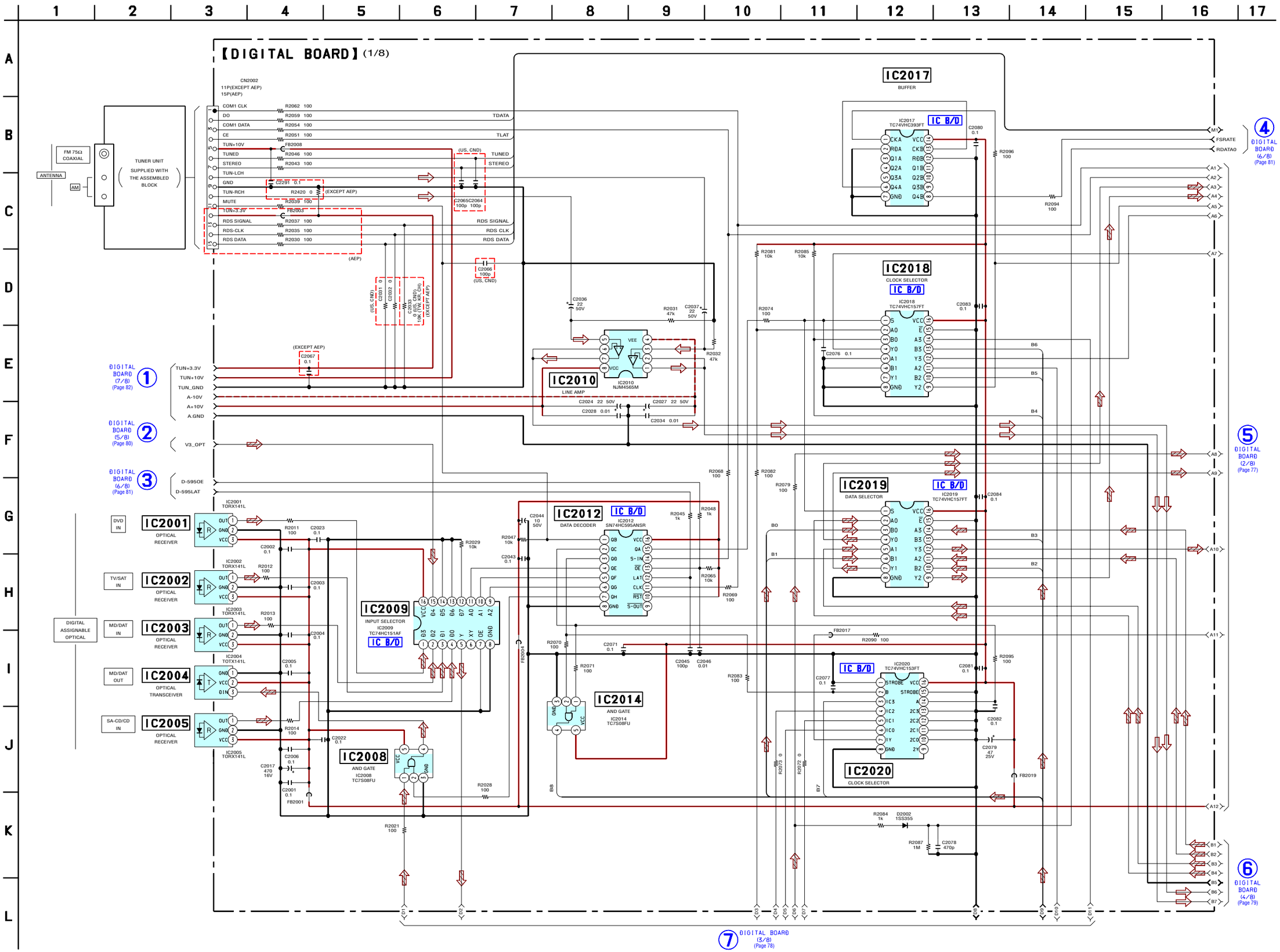


- **Semiconductor Location**

Ref. No.	Location
D2001	H-19
D2002	F-16
D2003	D-7
D2008	E-15
IC2001	C-20
IC2002	C-20
IC2003	D-20
IC2004	E-20
IC2005	F-20
IC2050	H-4
IC2052	H-3

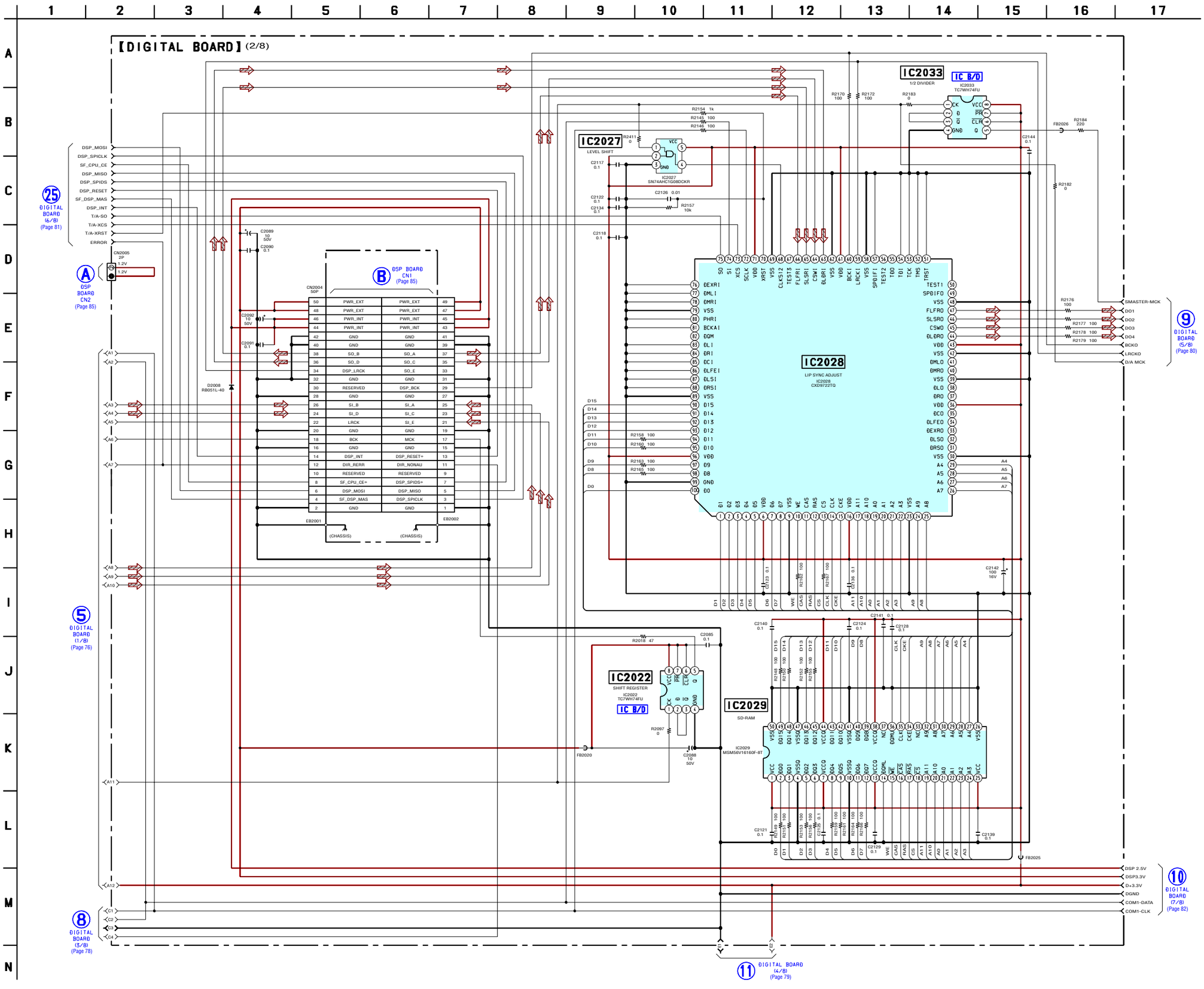
6-16. SCHEMATIC DIAGRAM – DIGITAL BOARD (1/8) –

• See page 158, 159 for IC Block Diagrams.



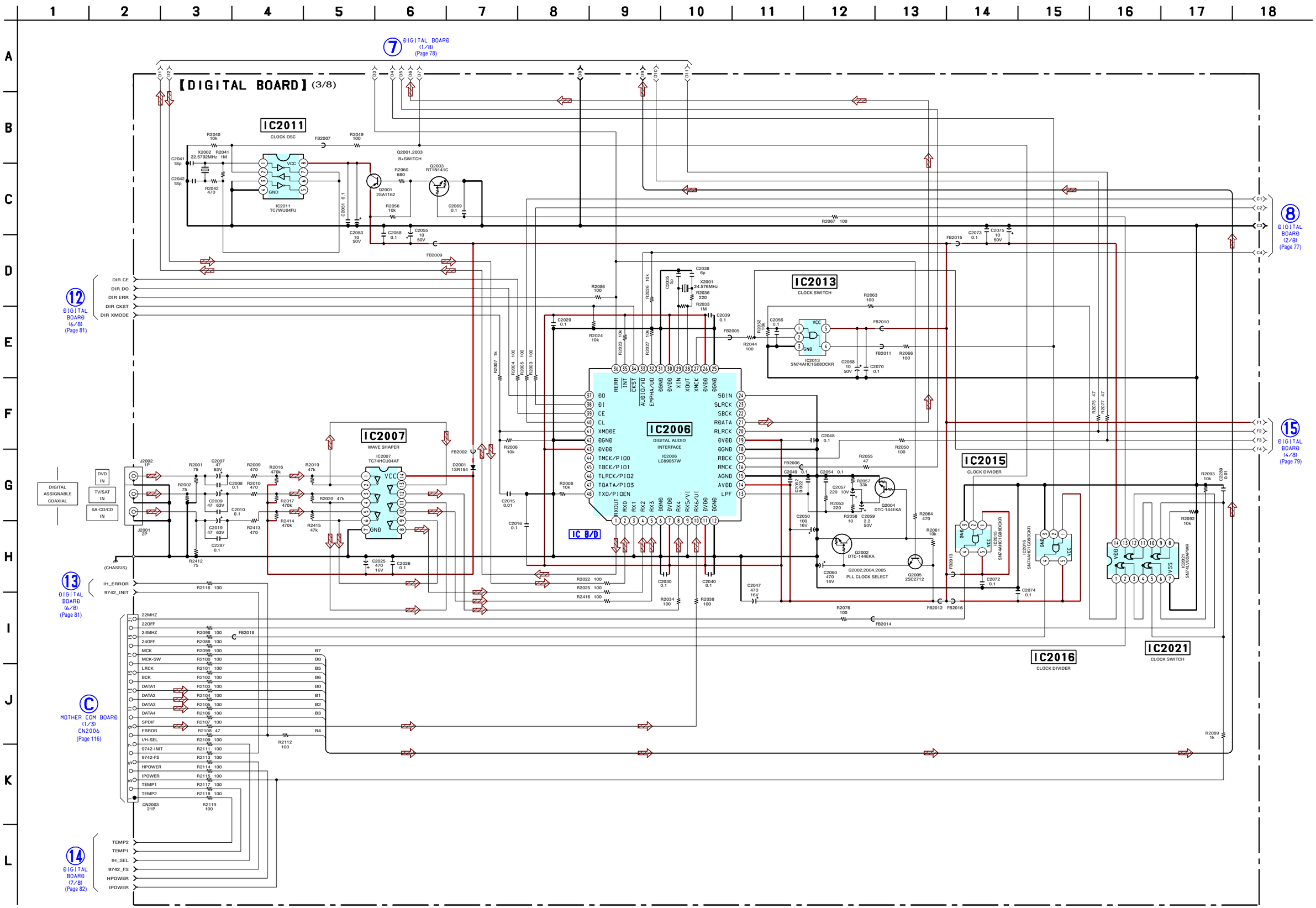
6-17. SCHEMATIC DIAGRAM – DIGITAL BOARD (2/8) –

• See page 158 for IC Block Diagrams. • See page 35 for IC Pin Function Description.



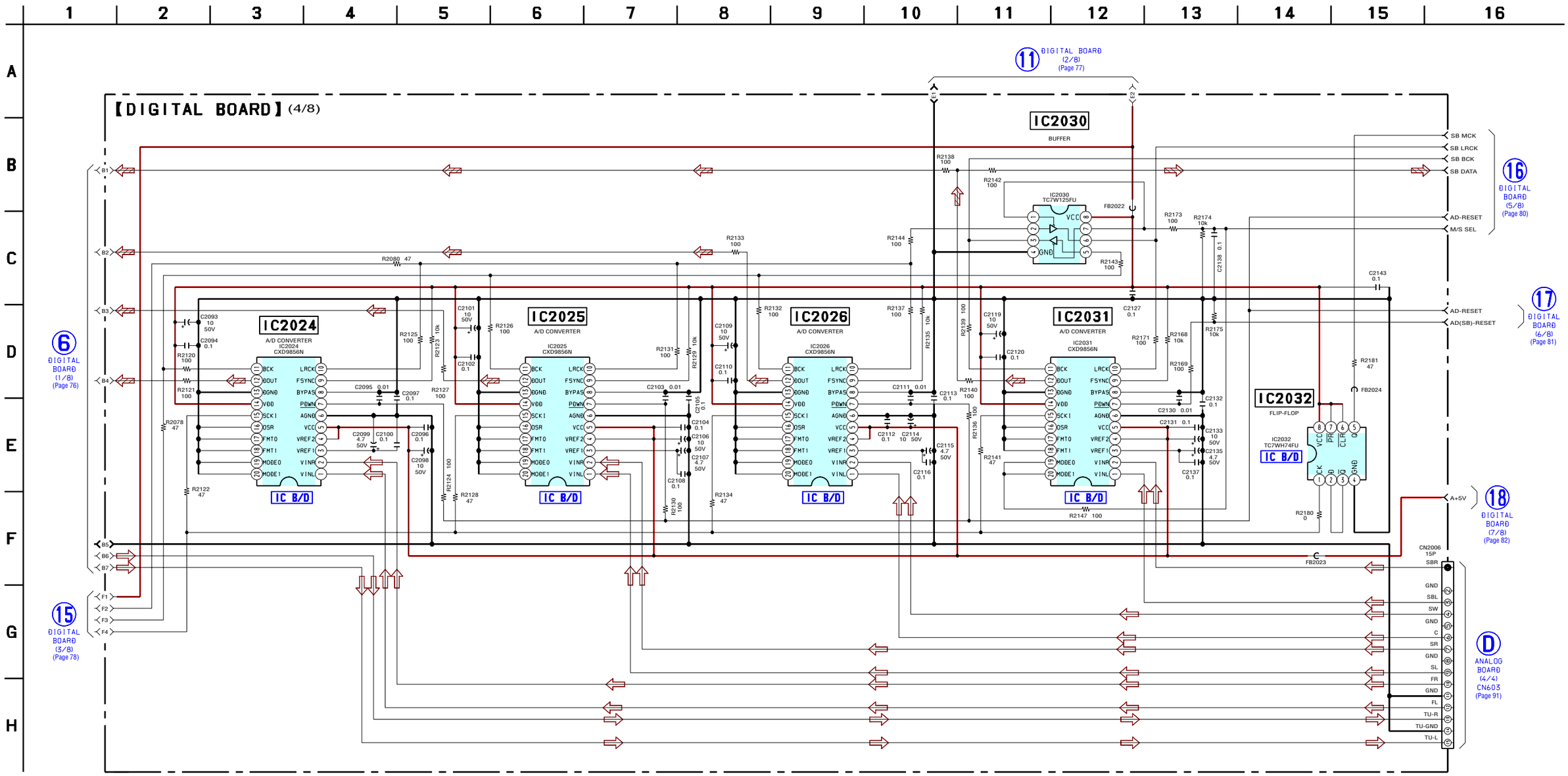
6-18. SCHEMATIC DIAGRAM – DIGITAL BOARD (3/8) –

• See page 156 for IC Block Diagrams.



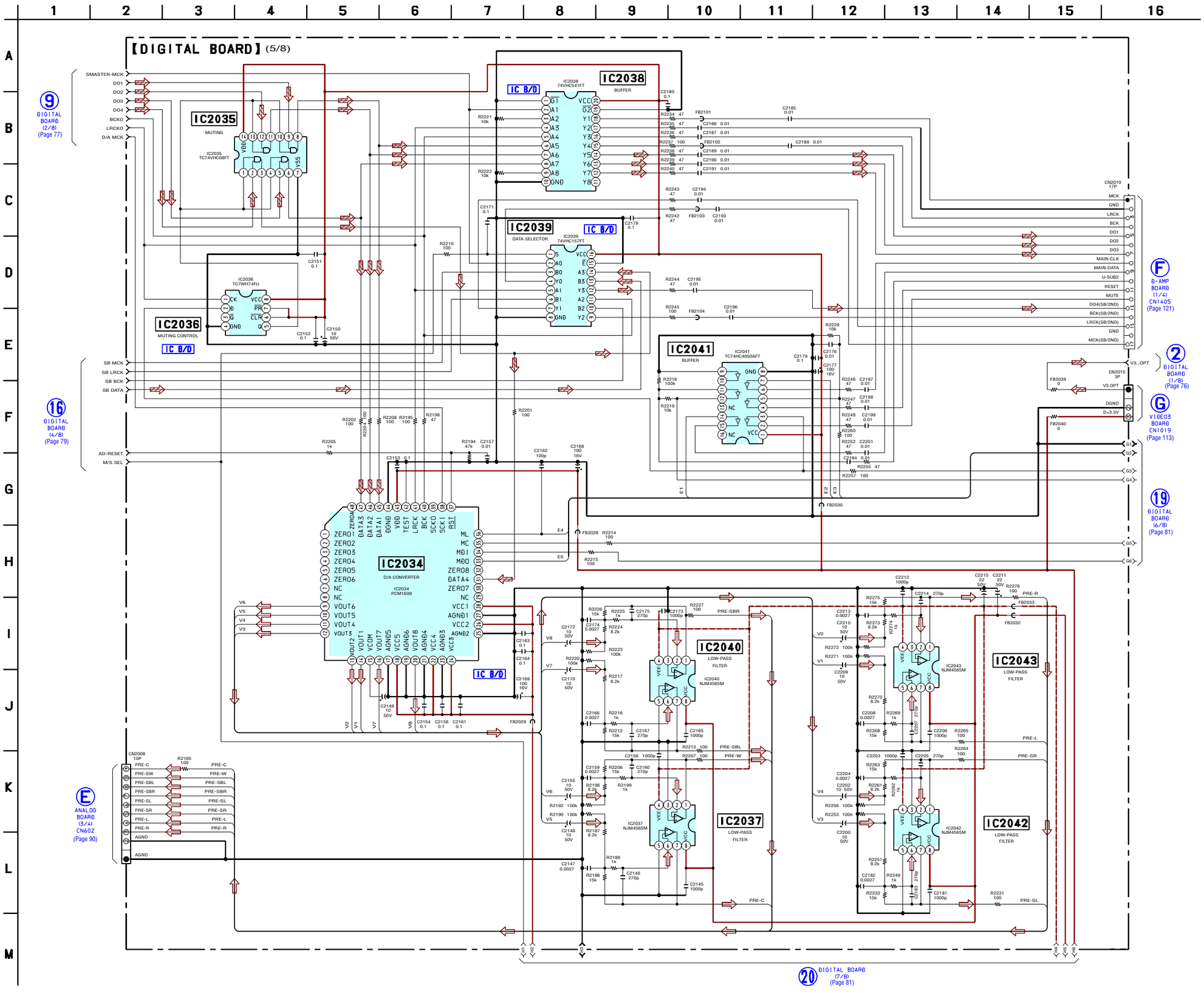
6-19. SCHEMATIC DIAGRAM – DIGITAL BOARD (4/8) –

• See page 156, 158 for IC Block Diagrams.



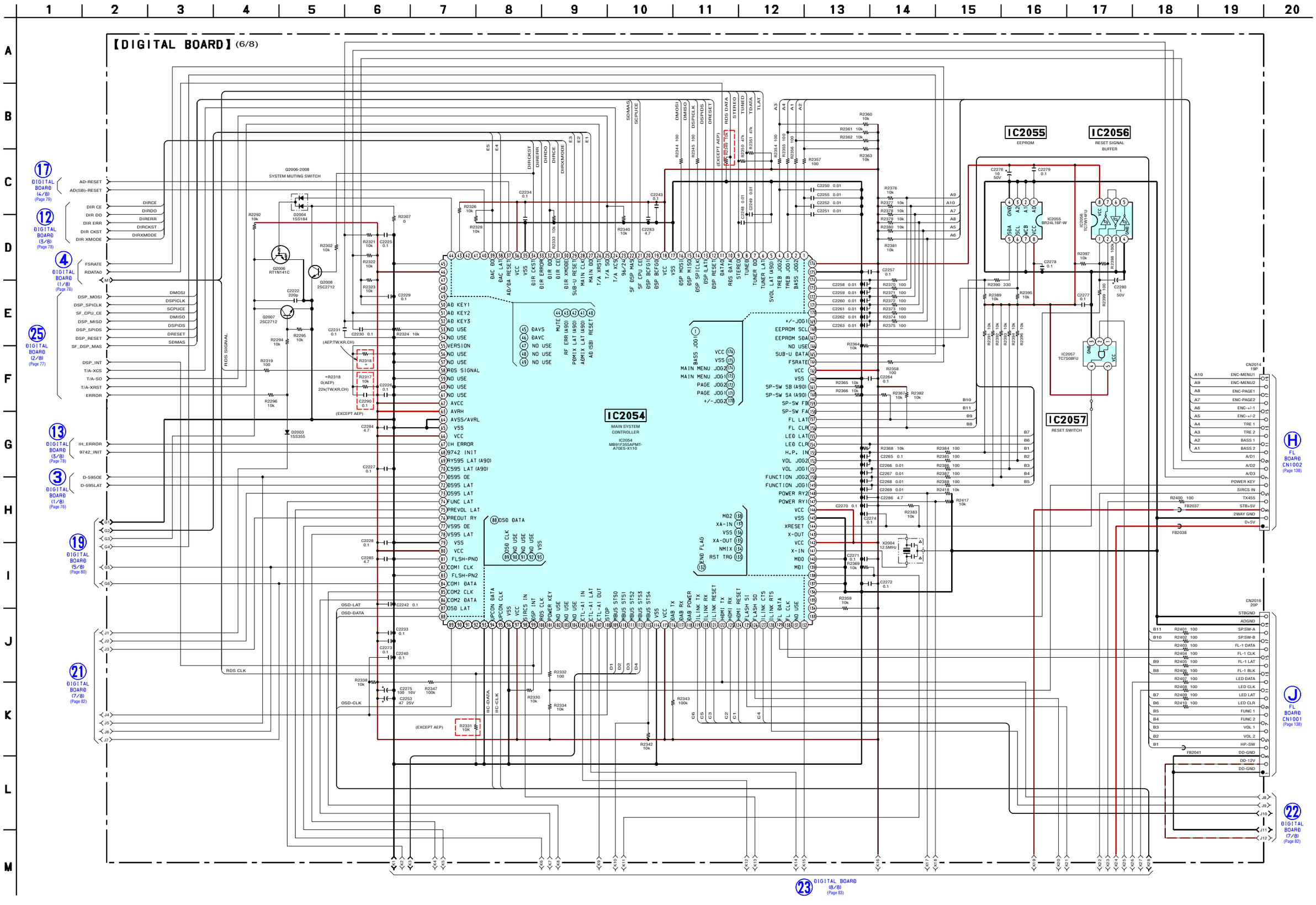
6-20. SCHEMATIC DIAGRAM – DIGITAL BOARD (5/8) –

• See page 157, 158 for IC Block Diagrams.



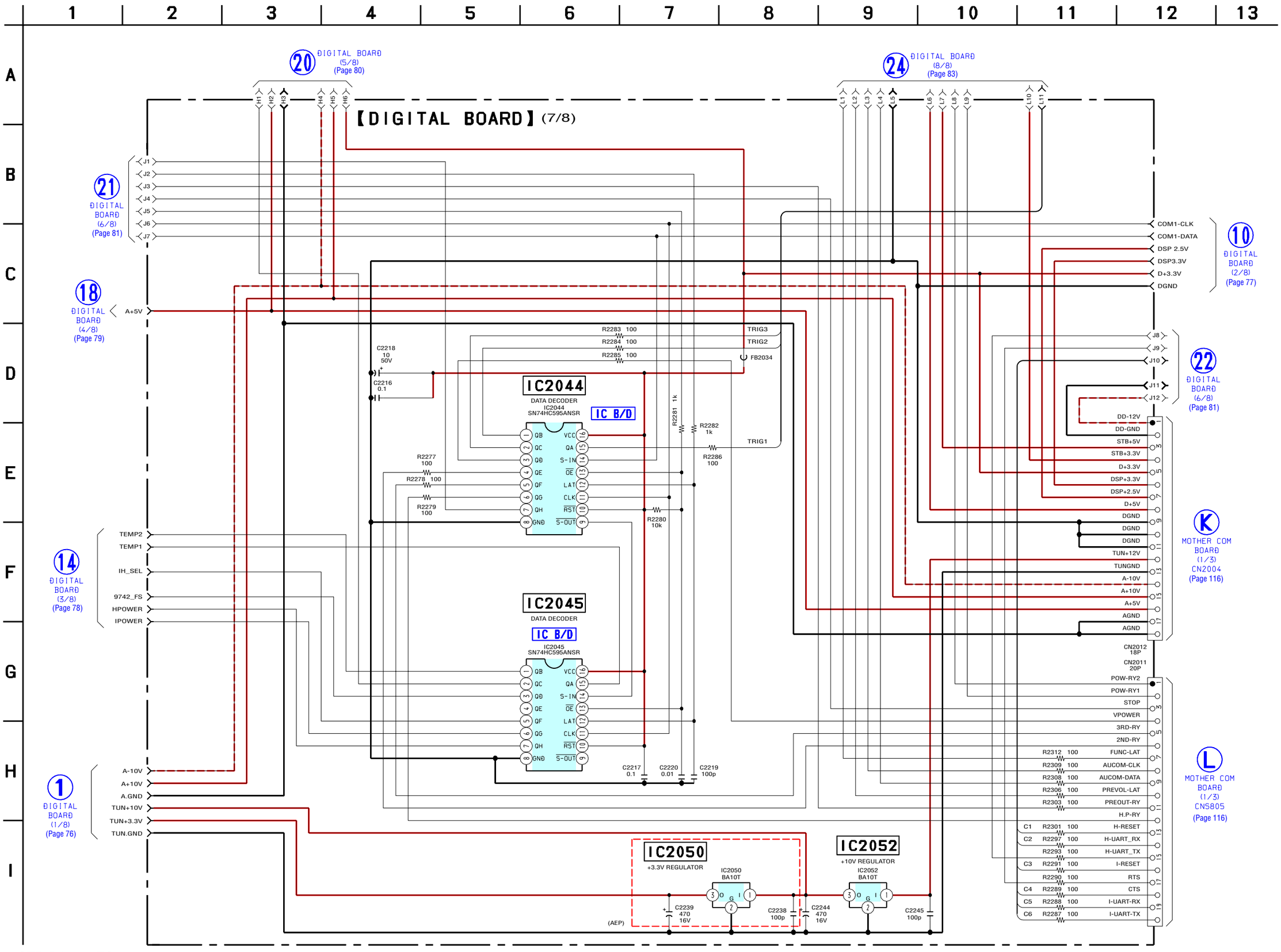
6-21. SCHEMATIC DIAGRAM – DIGITAL BOARD (6/8) –

• See page 38 for IC Pin Function Description.



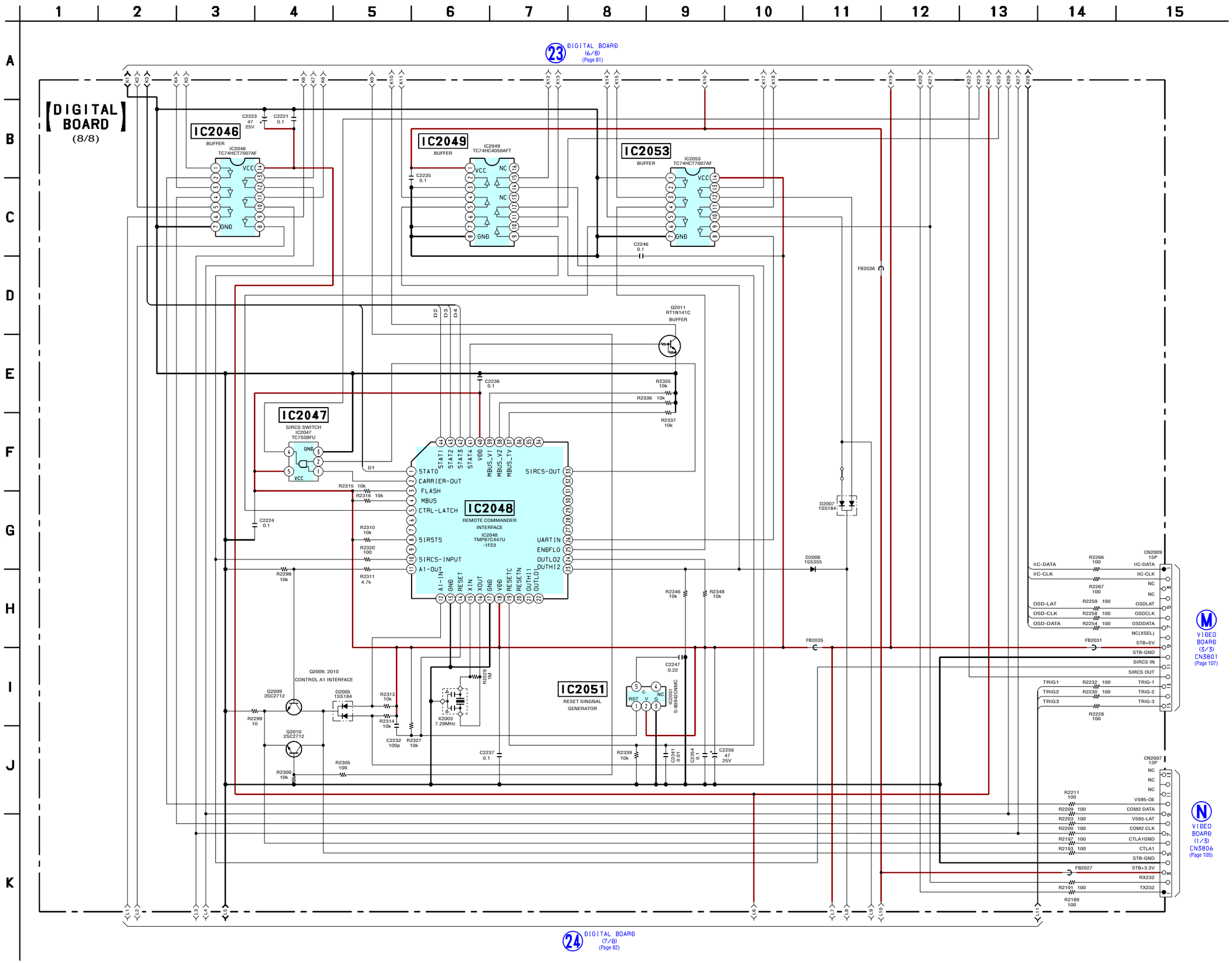
6-22. SCHEMATIC DIAGRAM – DIGITAL BOARD (7/8) –

• See page 157 for IC Block Diagrams.



6-23. SCHEMATIC DIAGRAM – DIGITAL BOARD (8/8) –

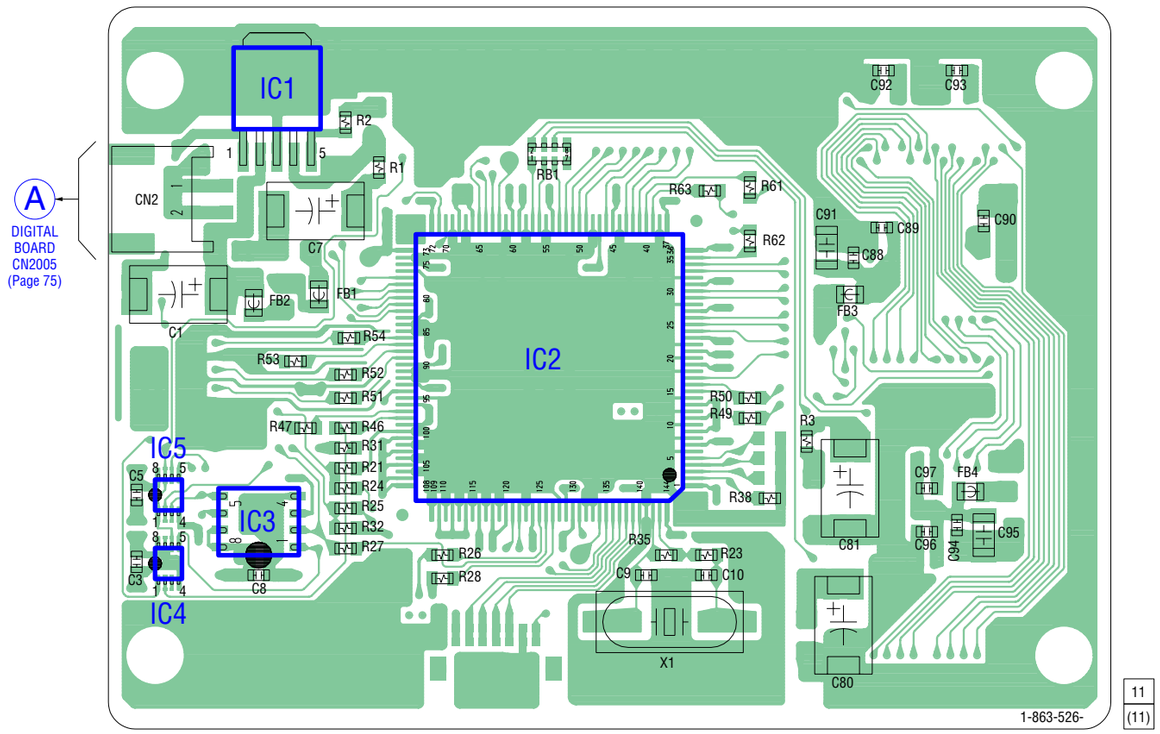
• See page 37 for IC Pin Function Description.



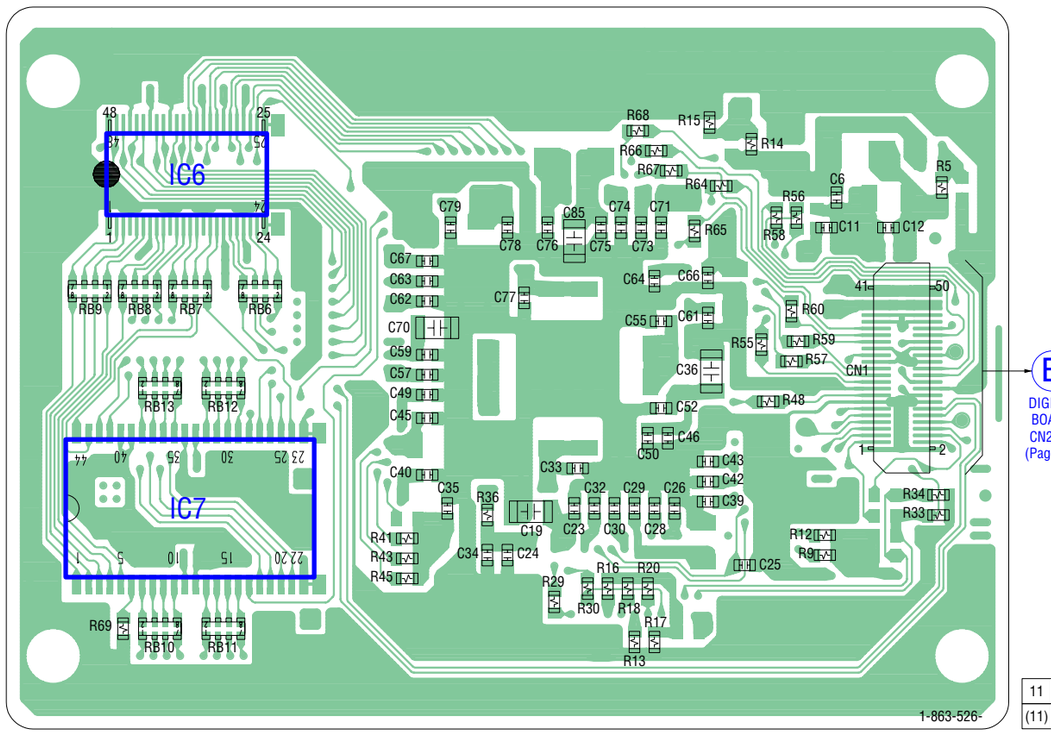
6-24. PRINTED WIRING BOARD – DSP BOARD –

• See page 112 for Circuit Boards Location. : Uses unleaded solder.

【DSP BOARD】(COMPONENT SIDE)



【DSP BOARD】(CONDUCTOR SIDE)

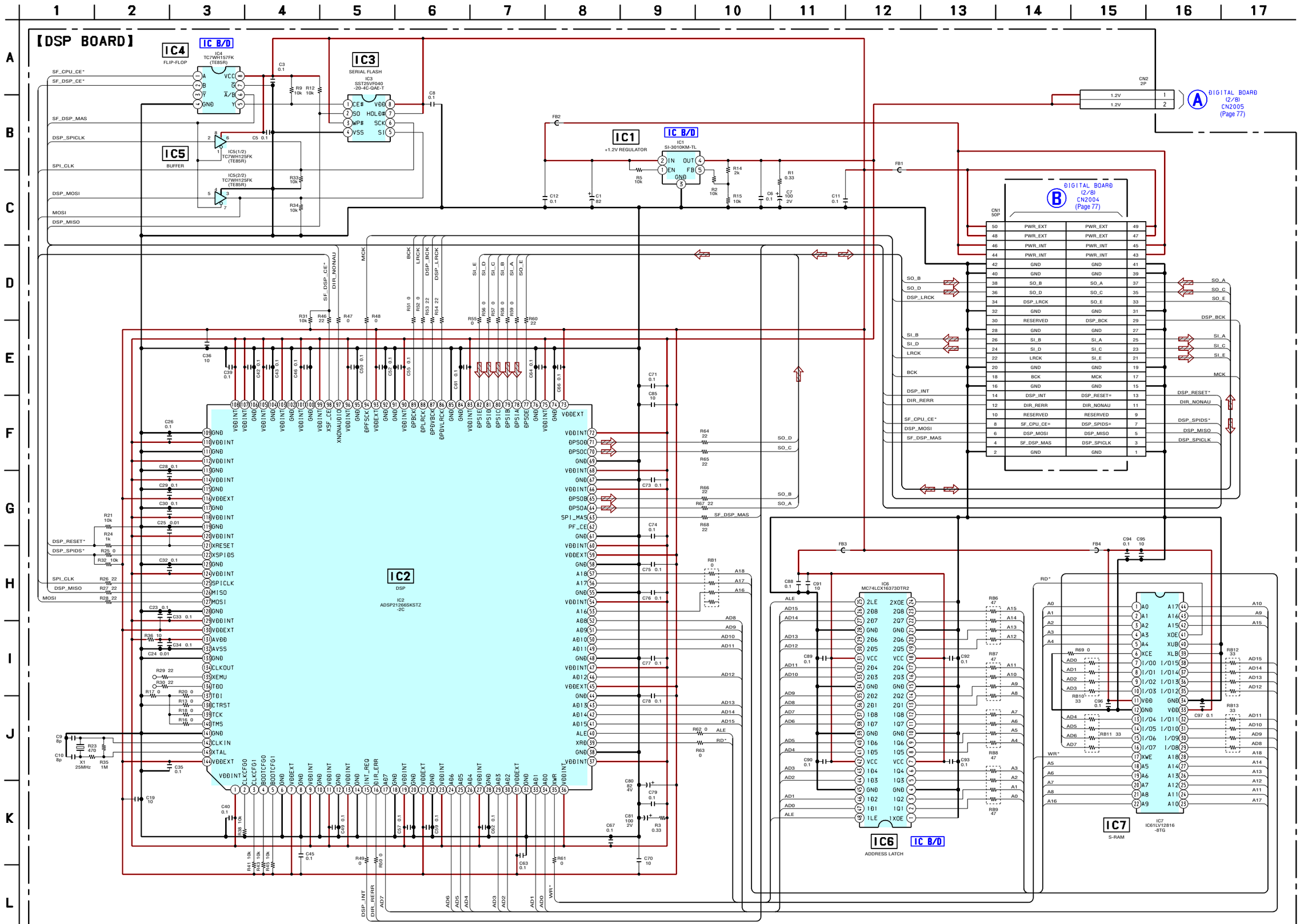


• **Semiconductor Location**

Ref. No.	Location
IC1	B-2
IC2	C-4
IC3	D-2
IC4	D-2
IC5	D-2
IC6	B-9
IC7	D-9

6-25. SCHEMATIC DIAGRAM – DSP BOARD –

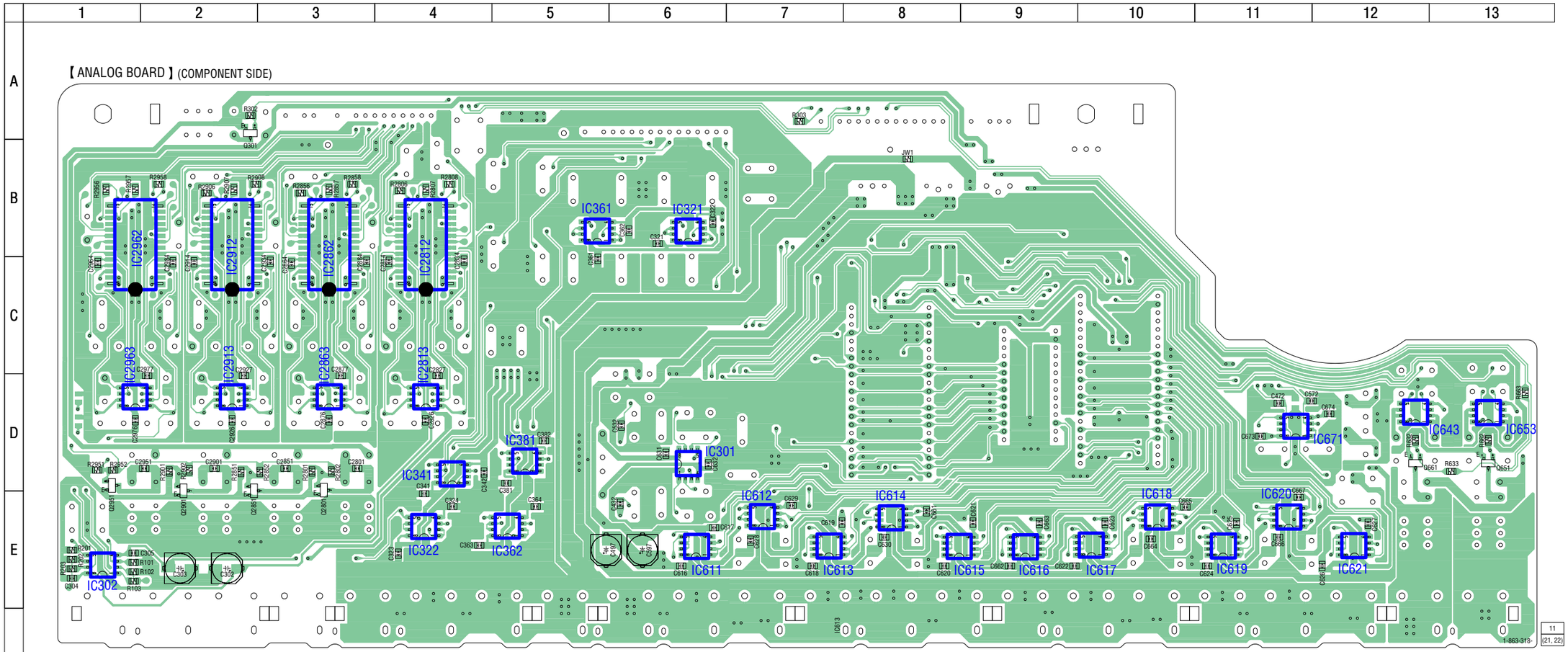
• See page 159, 160 for IC Block Diagrams. • See page 32 for IC Pin Function Description.



6-26. PRINTED WIRING BOARD – ANALOG BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.



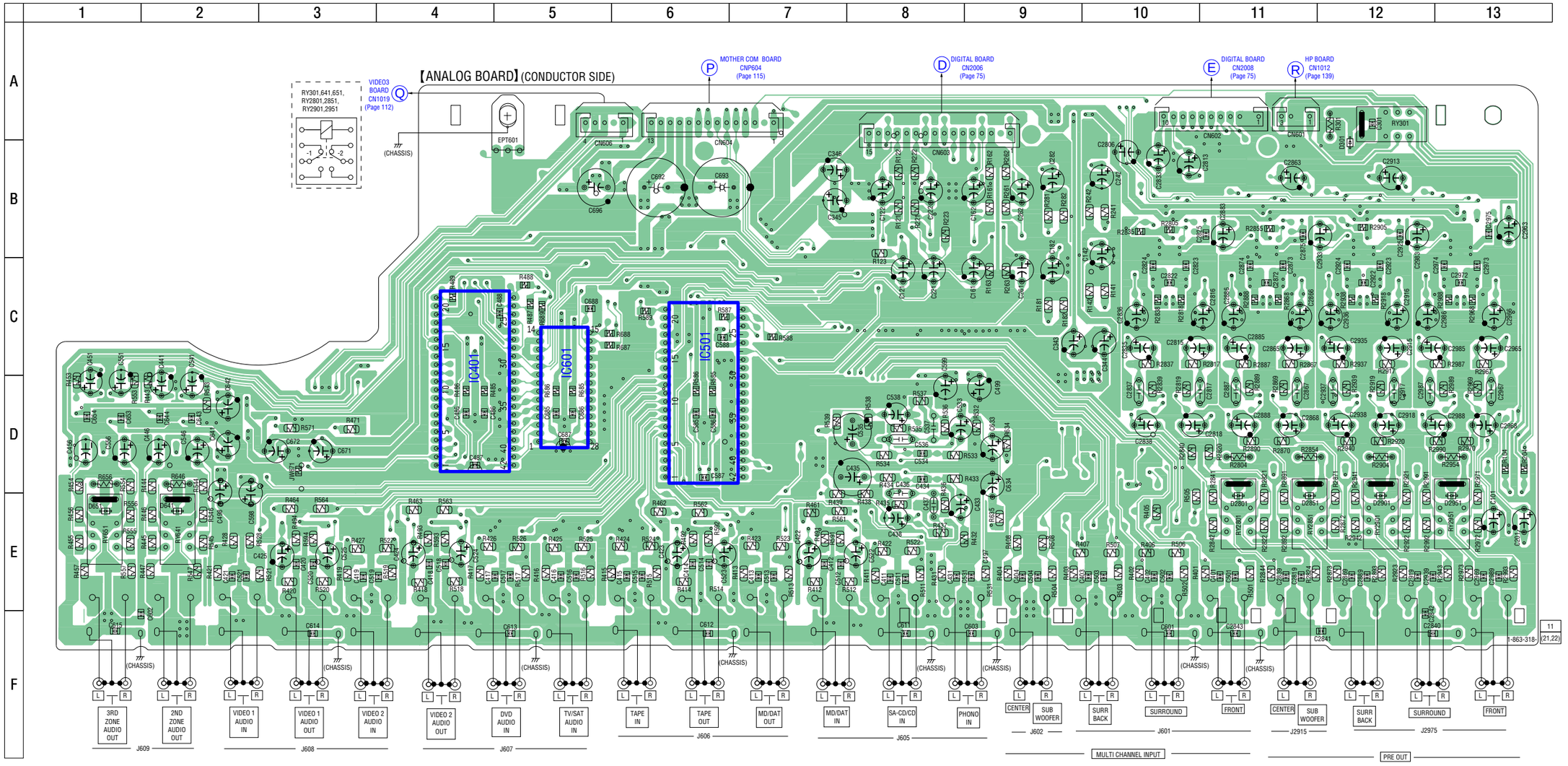
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
IC301	D-6	IC616	E-9	IC2912	B-2
IC302	E-1	IC617	E-10	IC2913	D-2
IC321	B-6	IC618	E-10	IC2962	B-1
IC322	E-4	IC619	E-11	IC2963	D-1
IC341	D-4	IC620	E-11		
IC361	B-5	IC621	E-12	Q301	A-2
IC362	E-5	IC643	D-12	Q651	D-13
IC381	D-5	IC653	D-13	Q661	D-12
IC611	E-6	IC671	D-11	Q2801	E-3
IC612	E-7	IC2812	B-4	Q2851	E-2
IC613	E-7	IC2813	D-4	Q2901	E-2
IC614	E-8	IC2862	B-3	Q2951	D-1
IC615	E-8	IC2863	D-3		

6-27. PRINTED WIRING BOARD – ANALOG BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

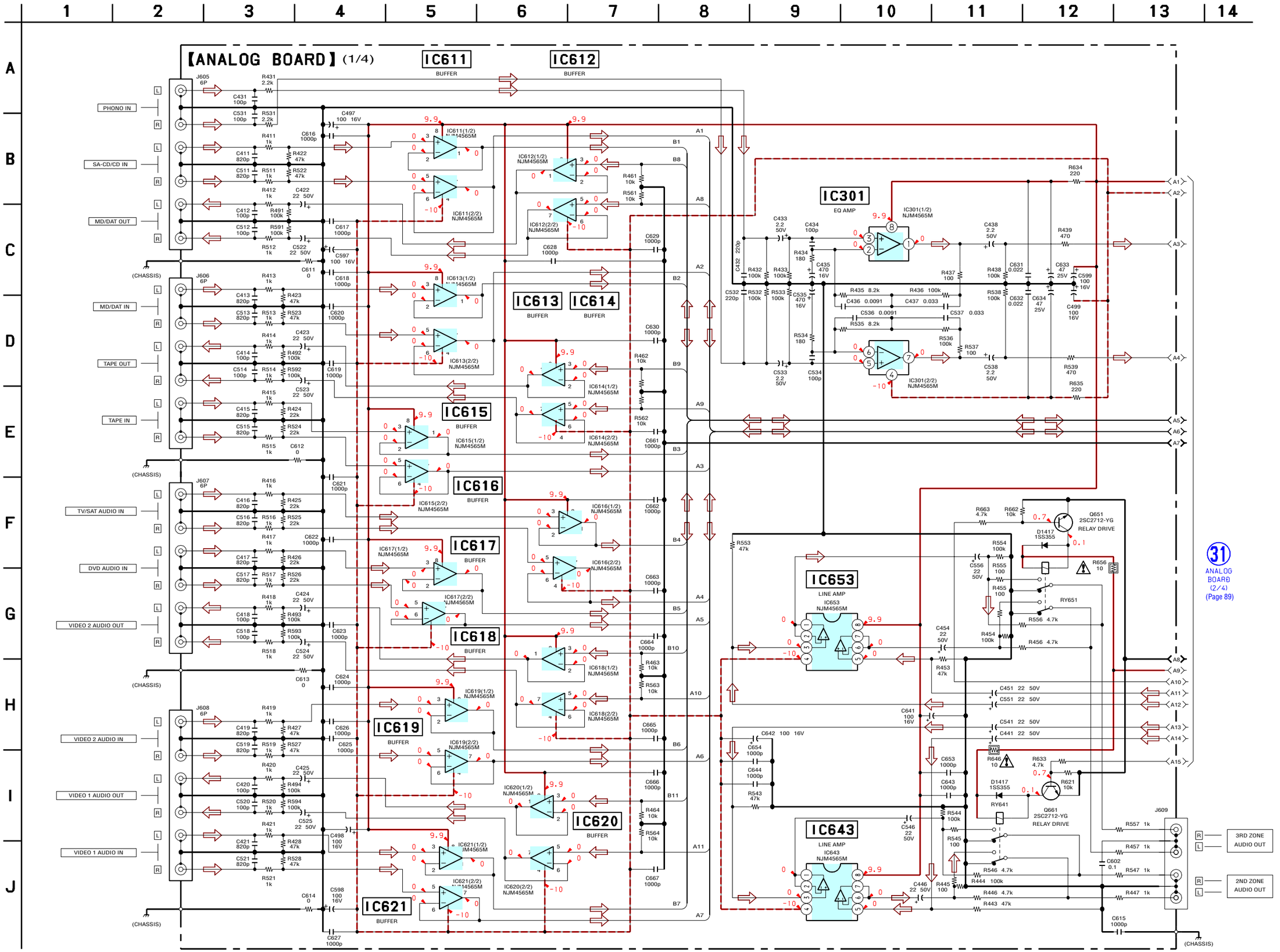
: Uses unleaded solder.



- **Semiconductor Location**

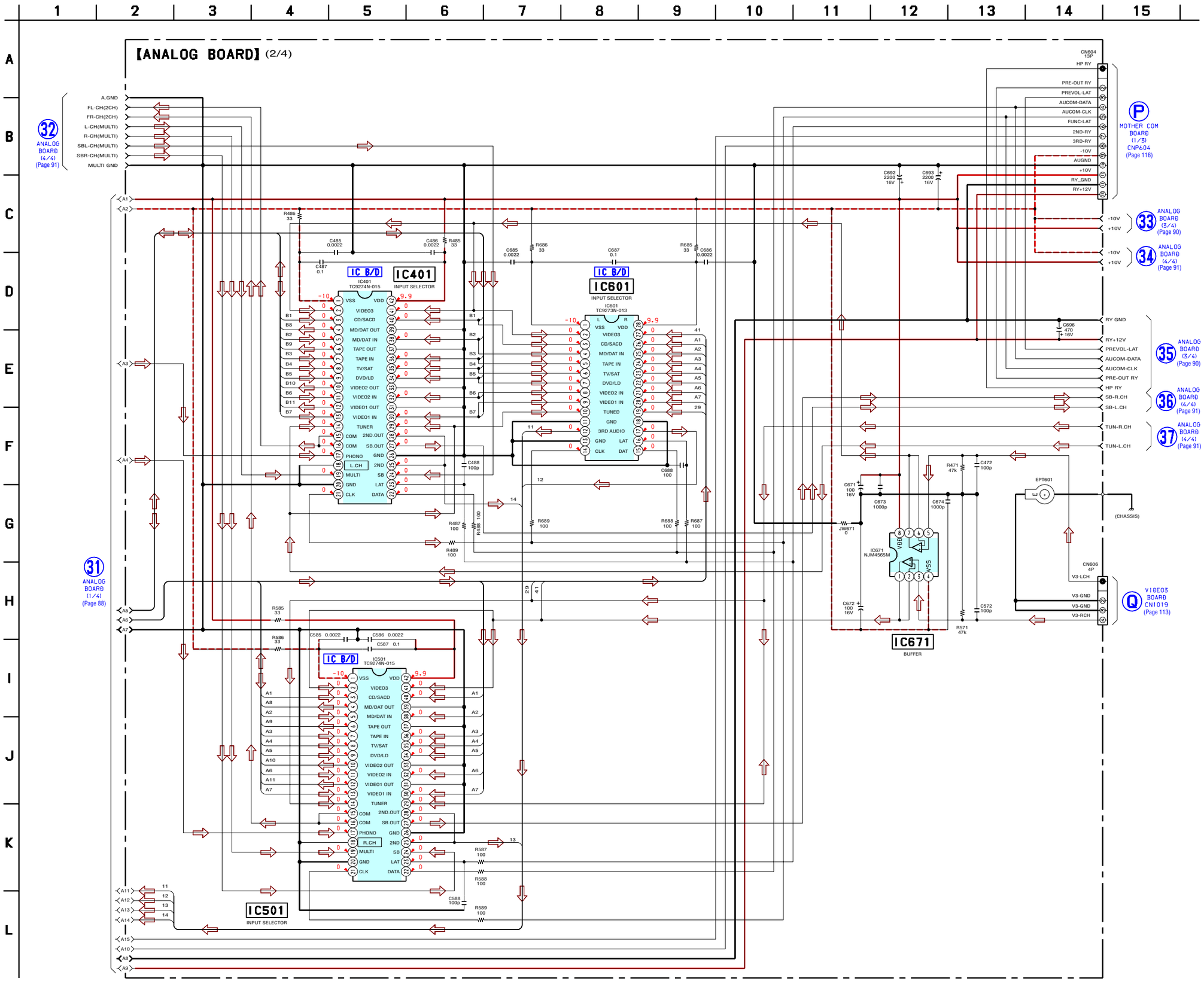
Ref. No.	Location
D301	B-12
D641	E-2
D651	E-1
D2801	E-11
D2851	E-11
D2901	E-12
D2951	E-13
IC401	D-4
IC501	D-6
IC601	D-5

6-28. SCHEMATIC DIAGRAM – ANALOG BOARD (1/4) –



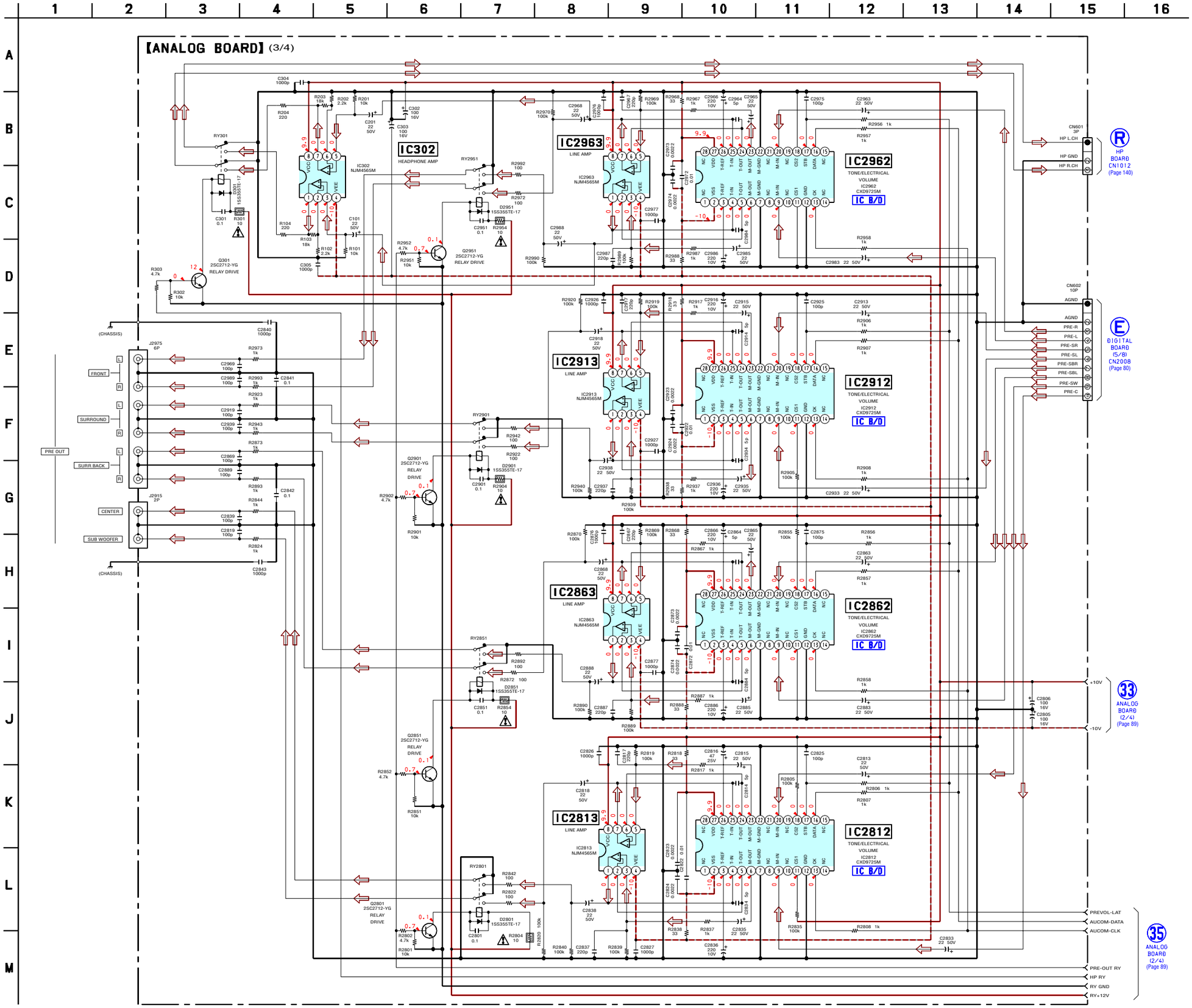
6-29. SCHEMATIC DIAGRAM – ANALOG BOARD (2/4) –

• See page 154, 155 for IC Block Diagrams.

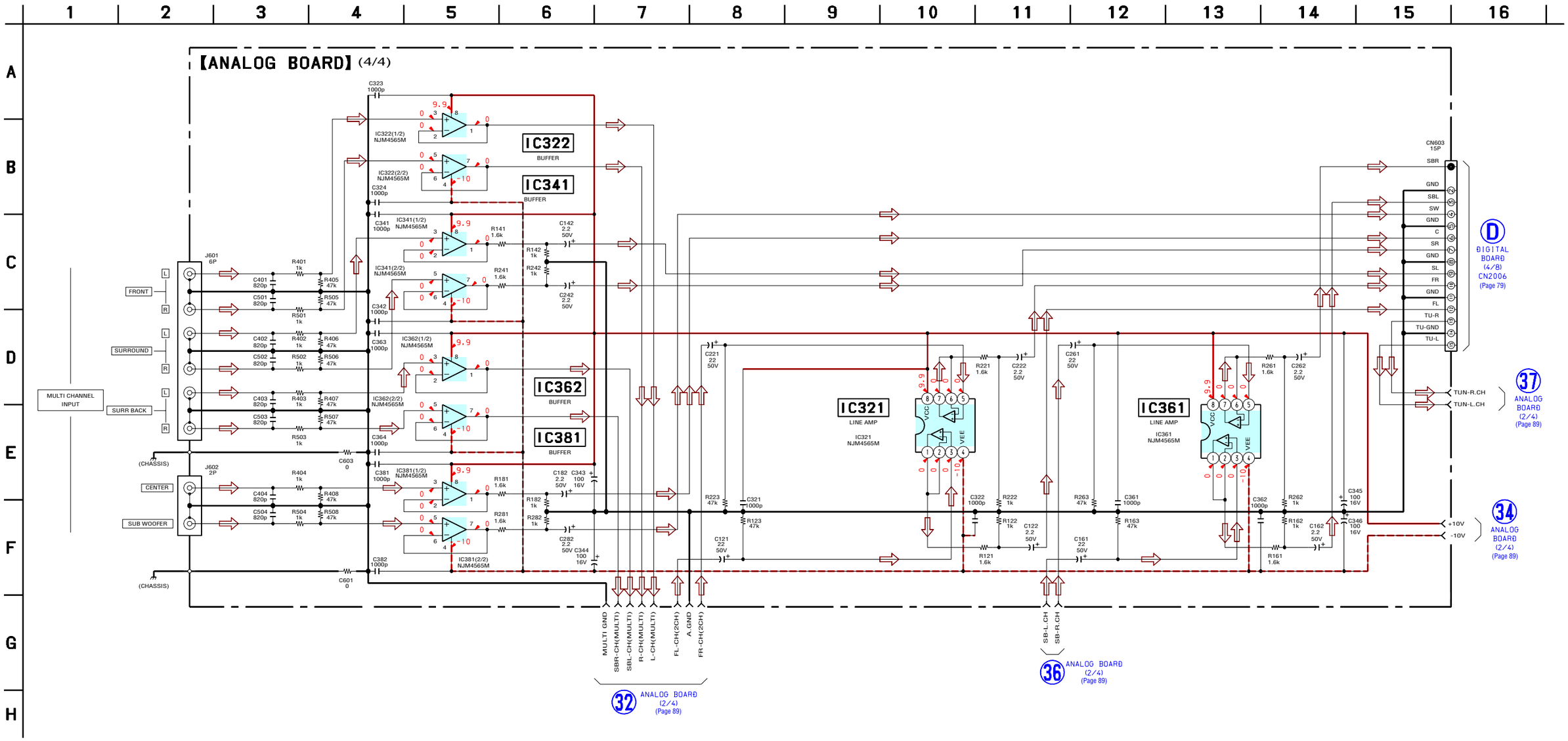


6-30. SCHEMATIC DIAGRAM – ANALOG BOARD (3/4) –

• See page 154 for IC Block Diagrams.

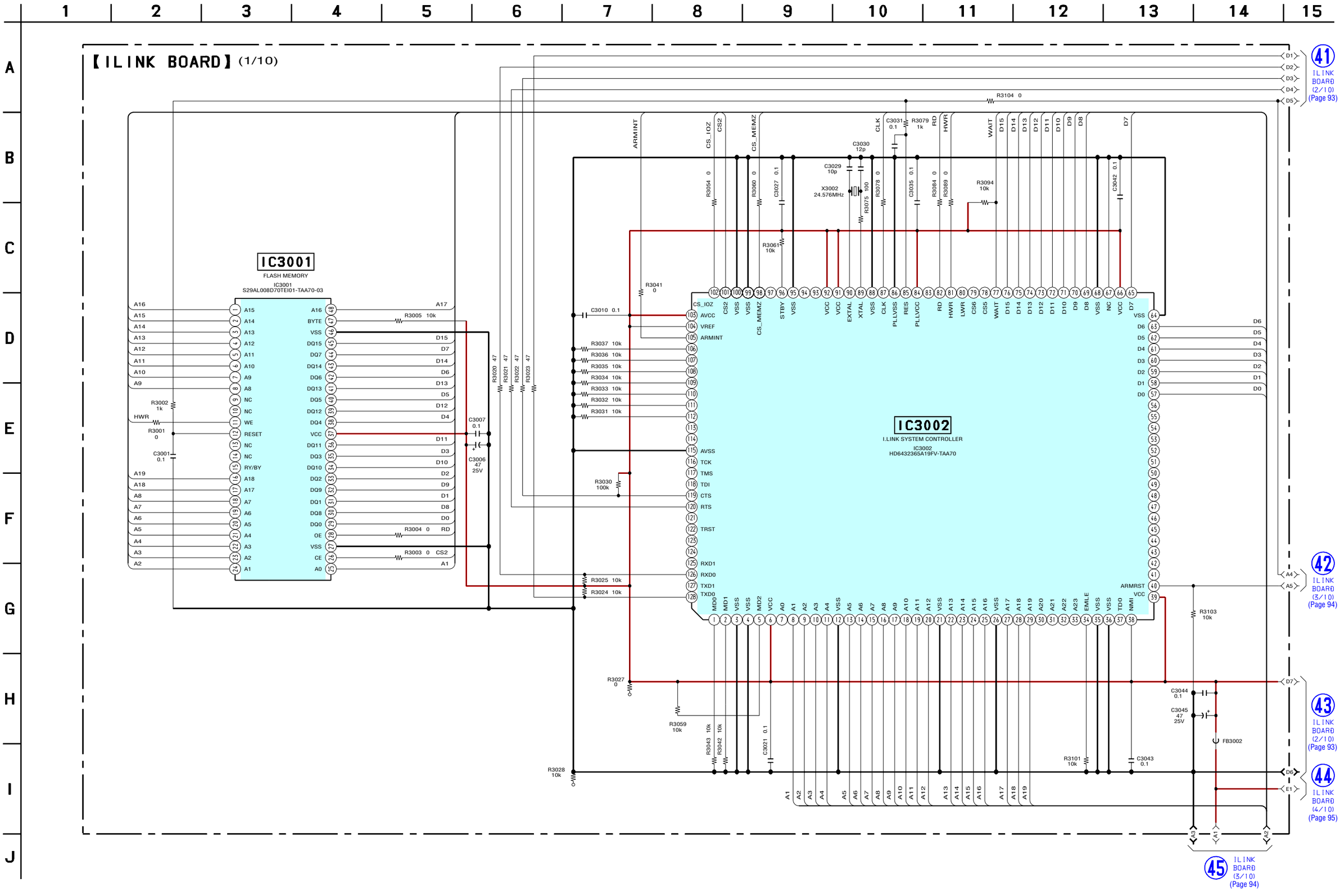


6-31. SCHEMATIC DIAGRAM – ANALOG BOARD (4/4) –



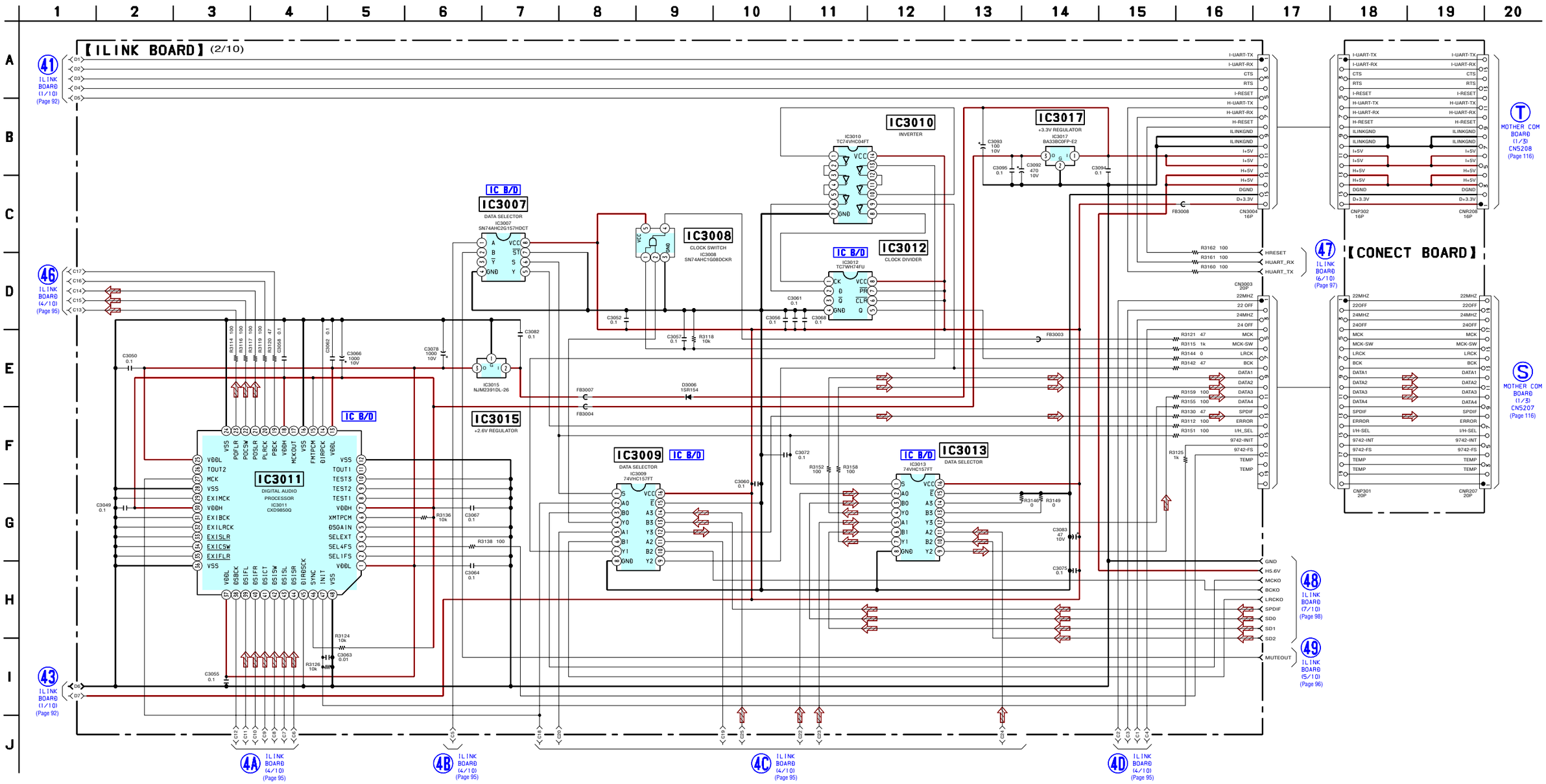
6-32. SCHEMATIC DIAGRAM – ILINK SECTION (1/10) –

• See page 42 for IC Pin Function Description.



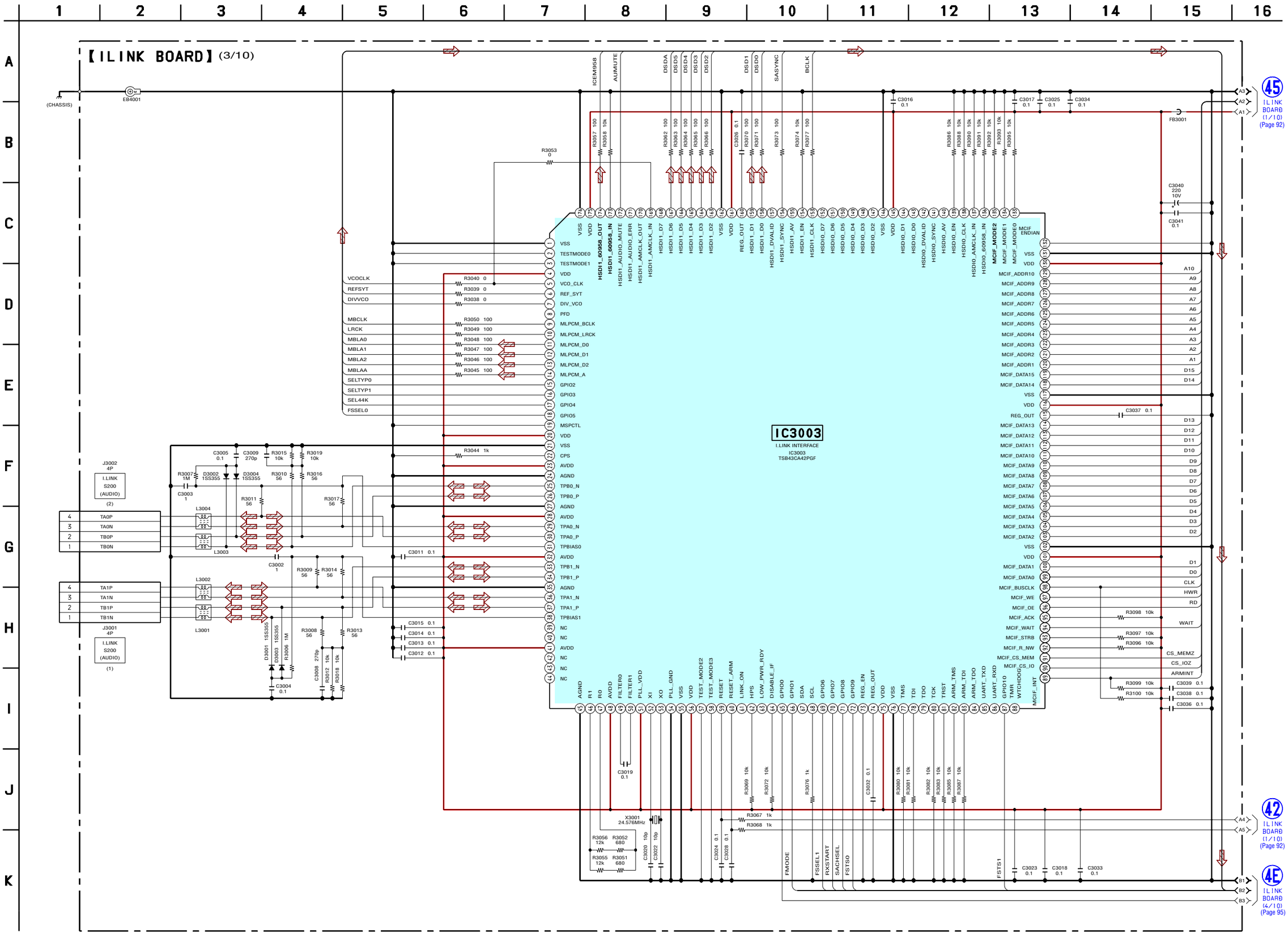
6-33. SCHEMATIC DIAGRAM – ILINK SECTION (2/10) –

• See page 148, 149 for IC Block Diagrams.



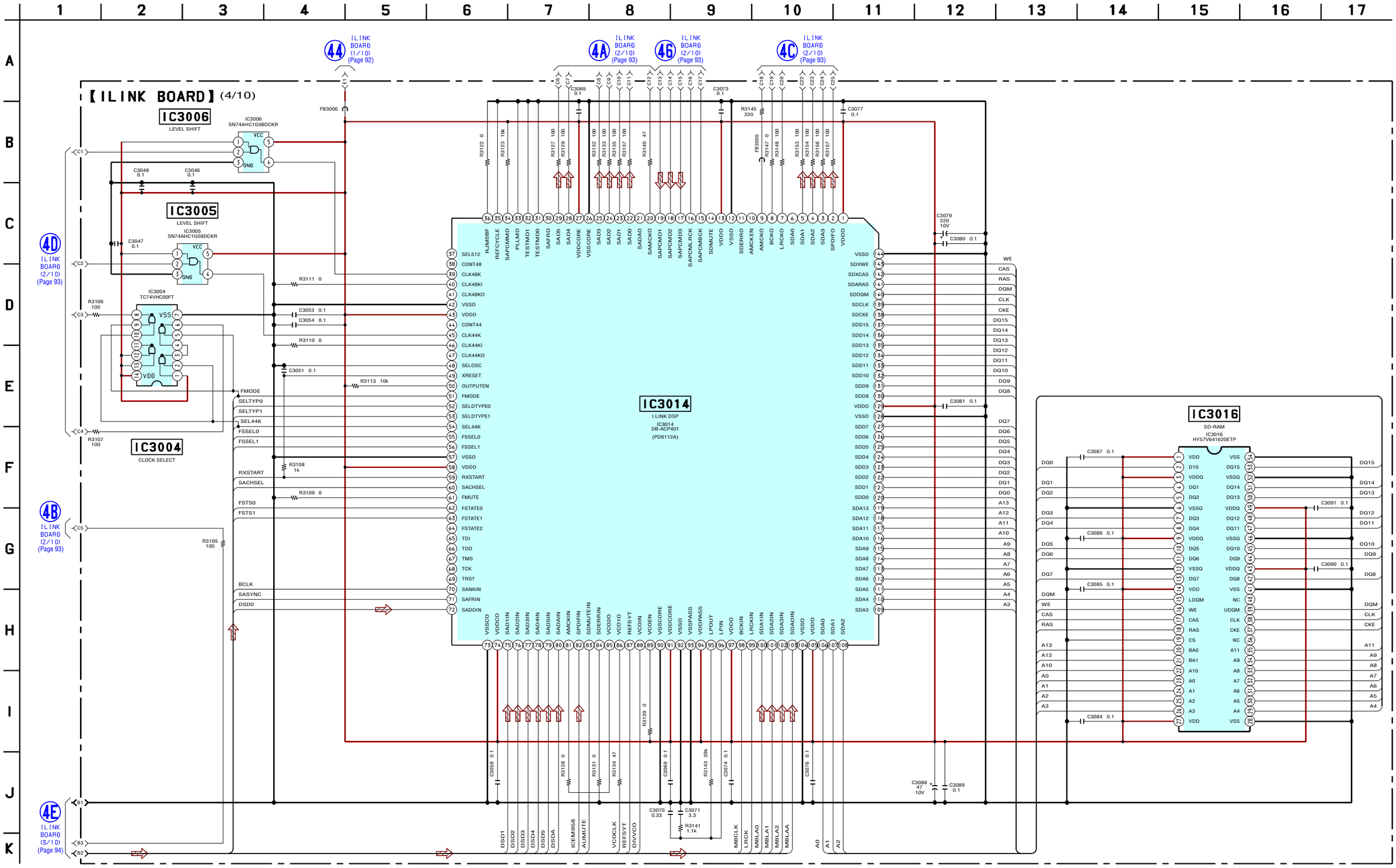
6-34. SCHEMATIC DIAGRAM – ILINK SECTION (3/10) –

• See page 44 for IC Pin Function Description.



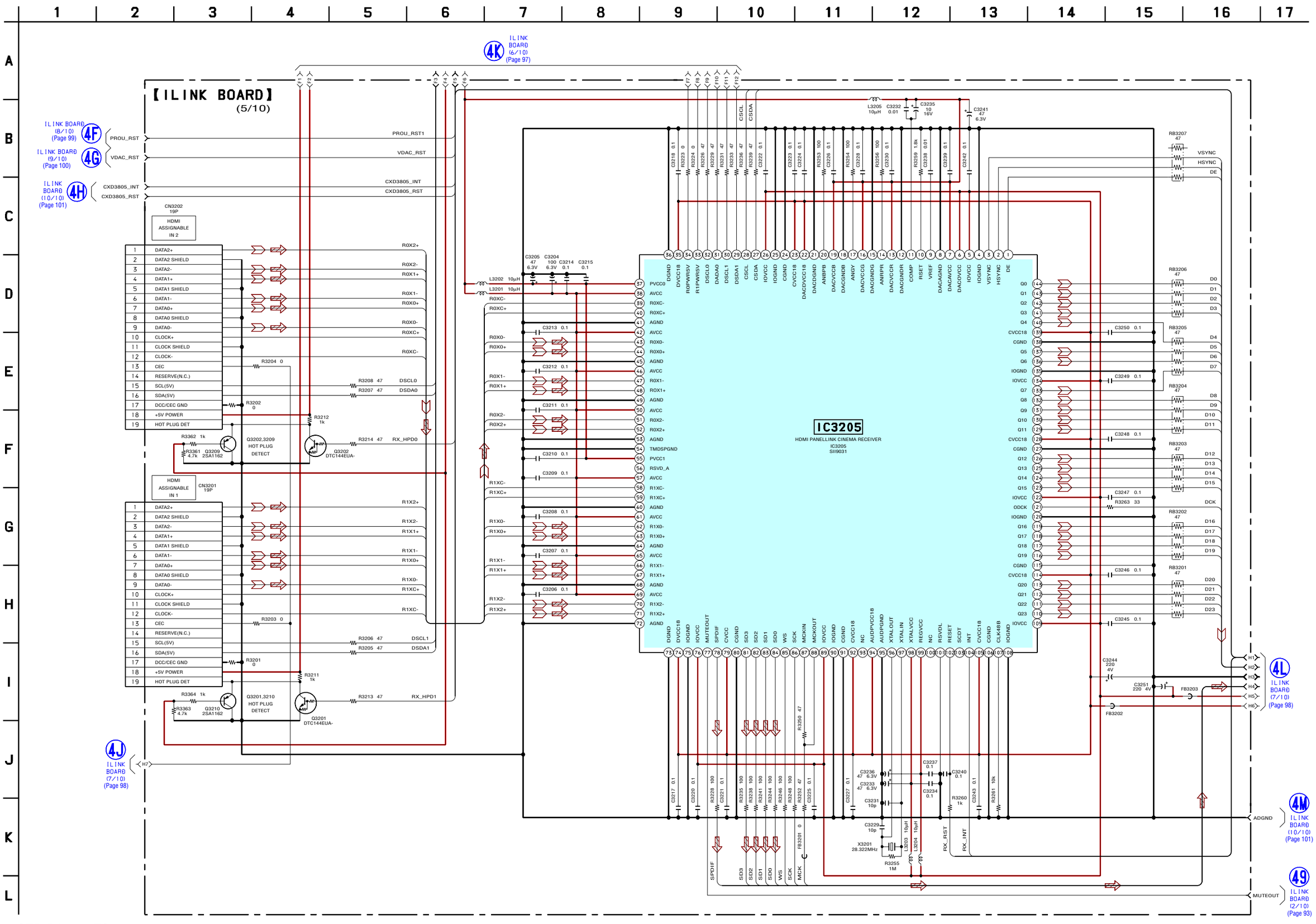
6-35. SCHEMATIC DIAGRAM – ILINK SECTION BOARD (4/10) –

• See page 47 for IC Pin Function Description.



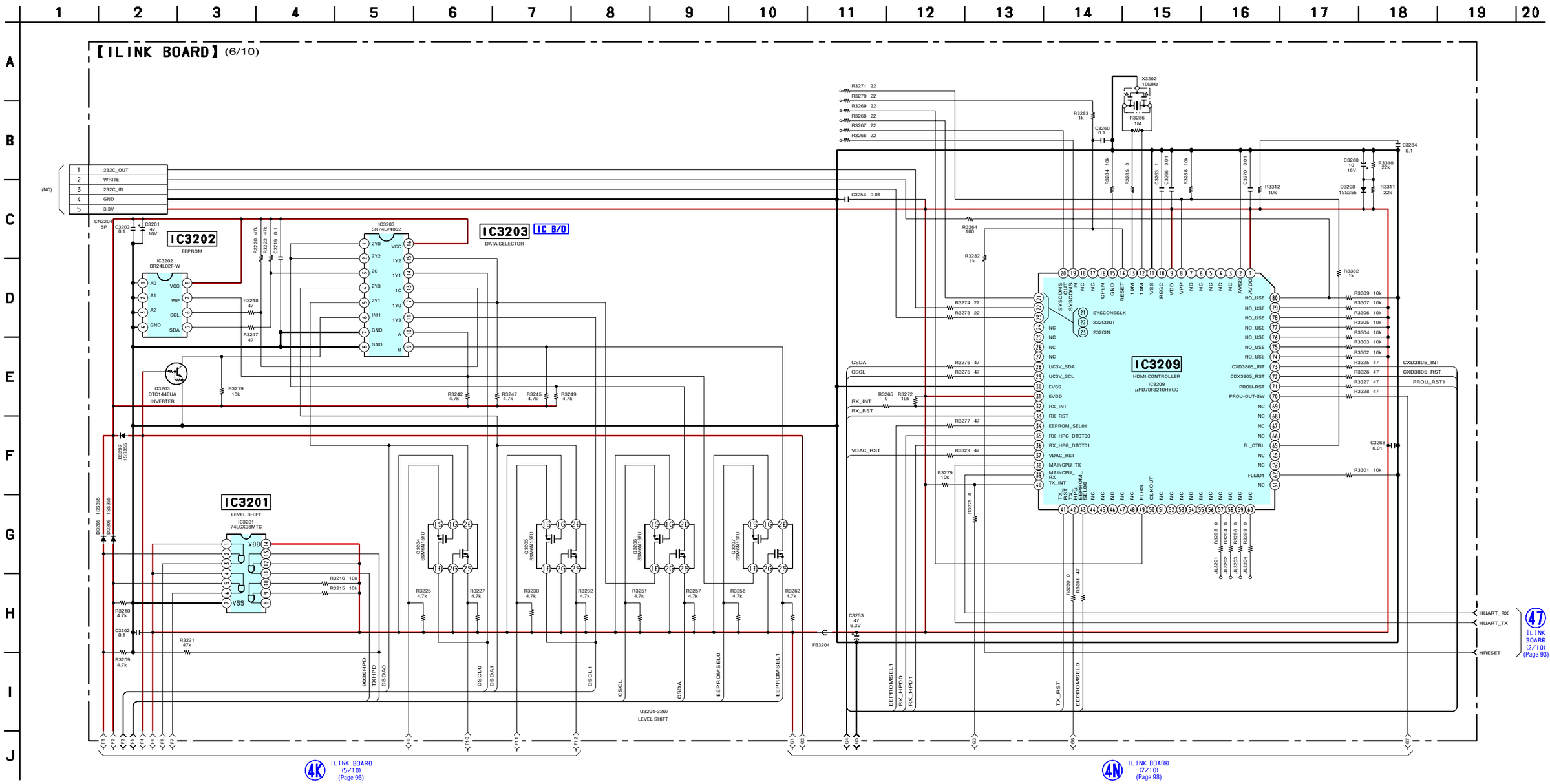
6-36. SCHEMATIC DIAGRAM – ILINK SECTION (5/10) –

• See page 50 for IC Pin Function Description.



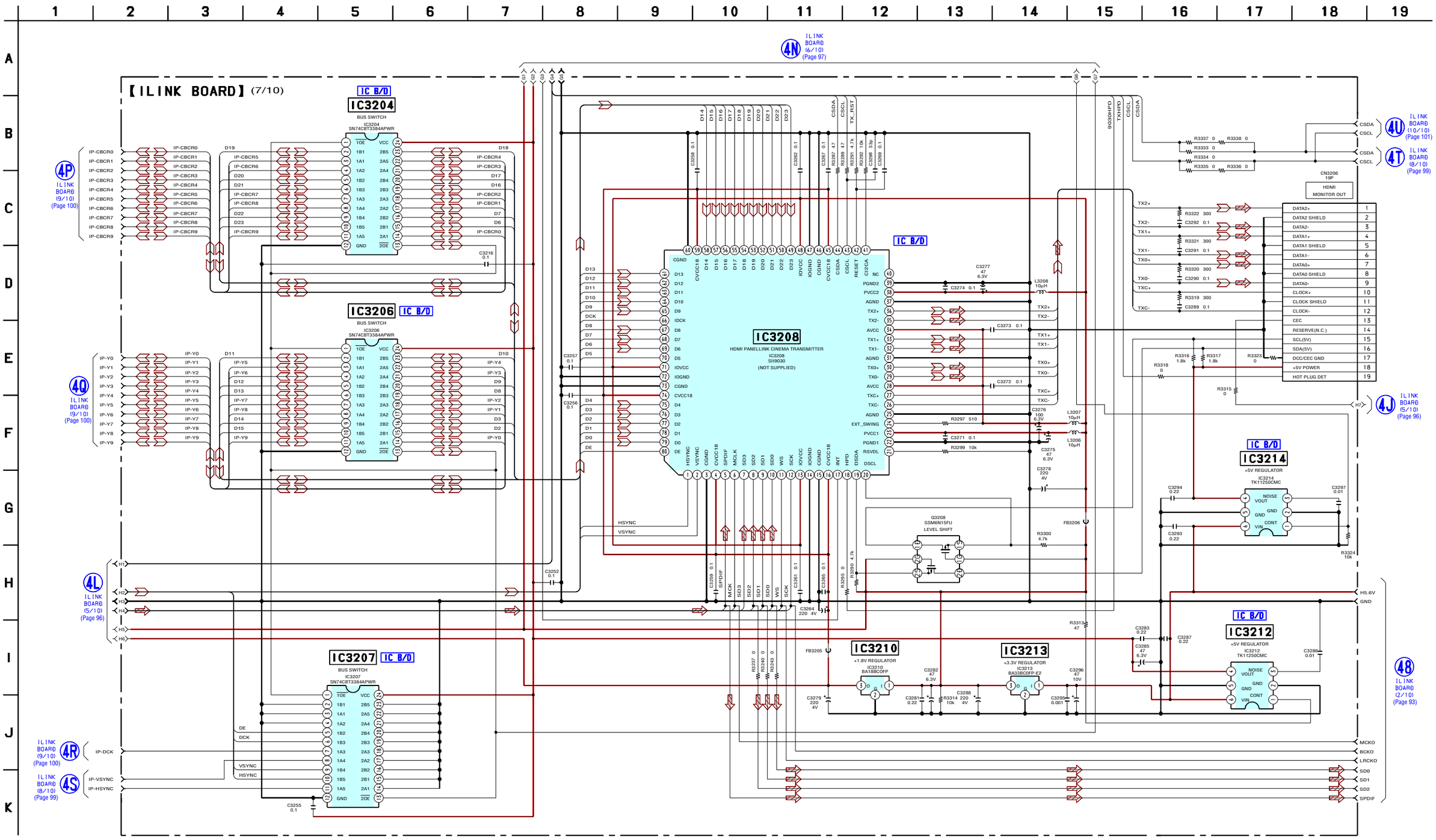
6-37. SCHEMATIC DIAGRAM – ILINK SECTION (6/10) –

• See page 149 for IC Block Diagrams. • See page 50 for IC Pin Function Description.



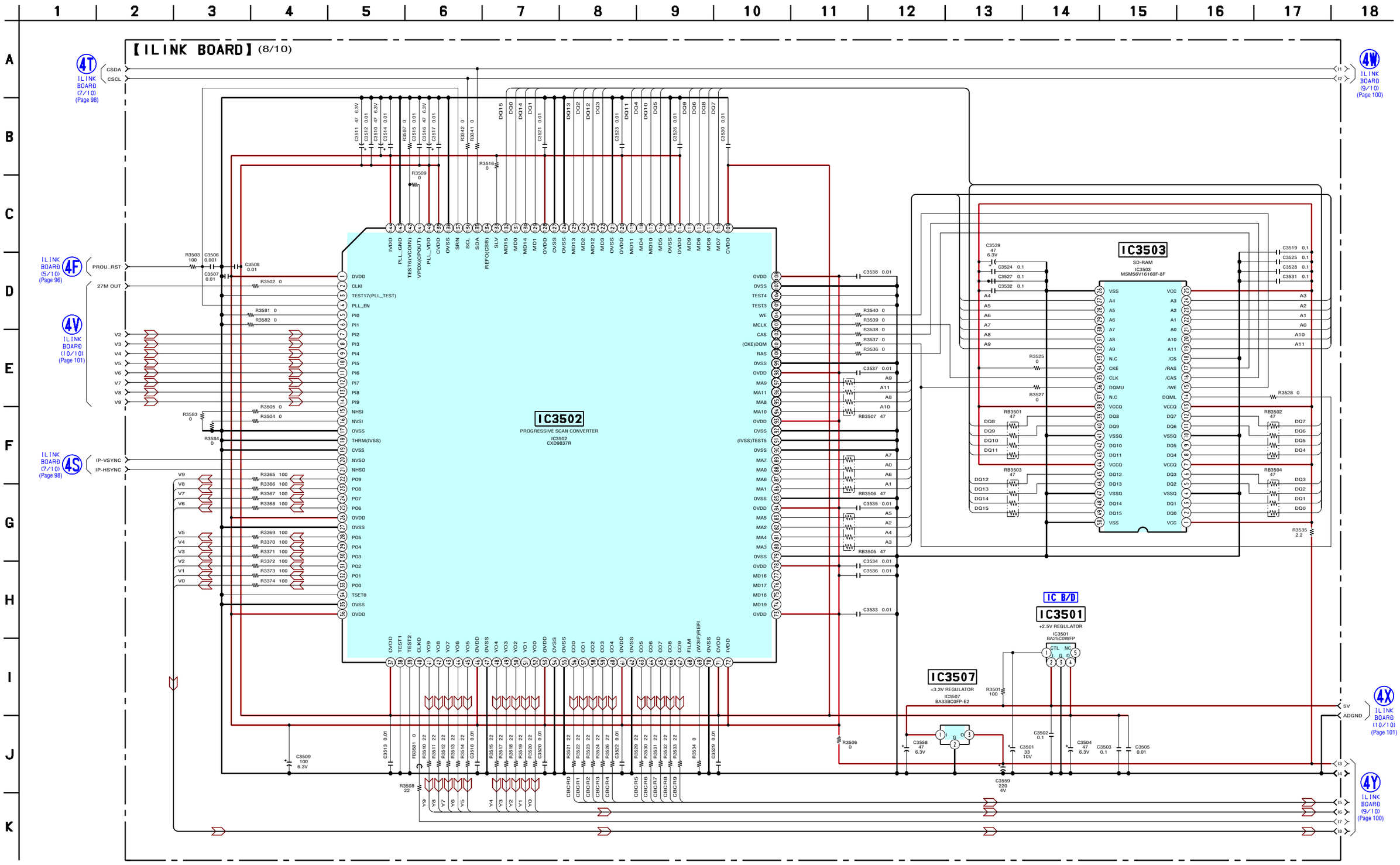
6-38. SCHEMATIC DIAGRAM – ILINK SECTION (7/10) –

• See page 147, 149 for IC Block Diagrams.



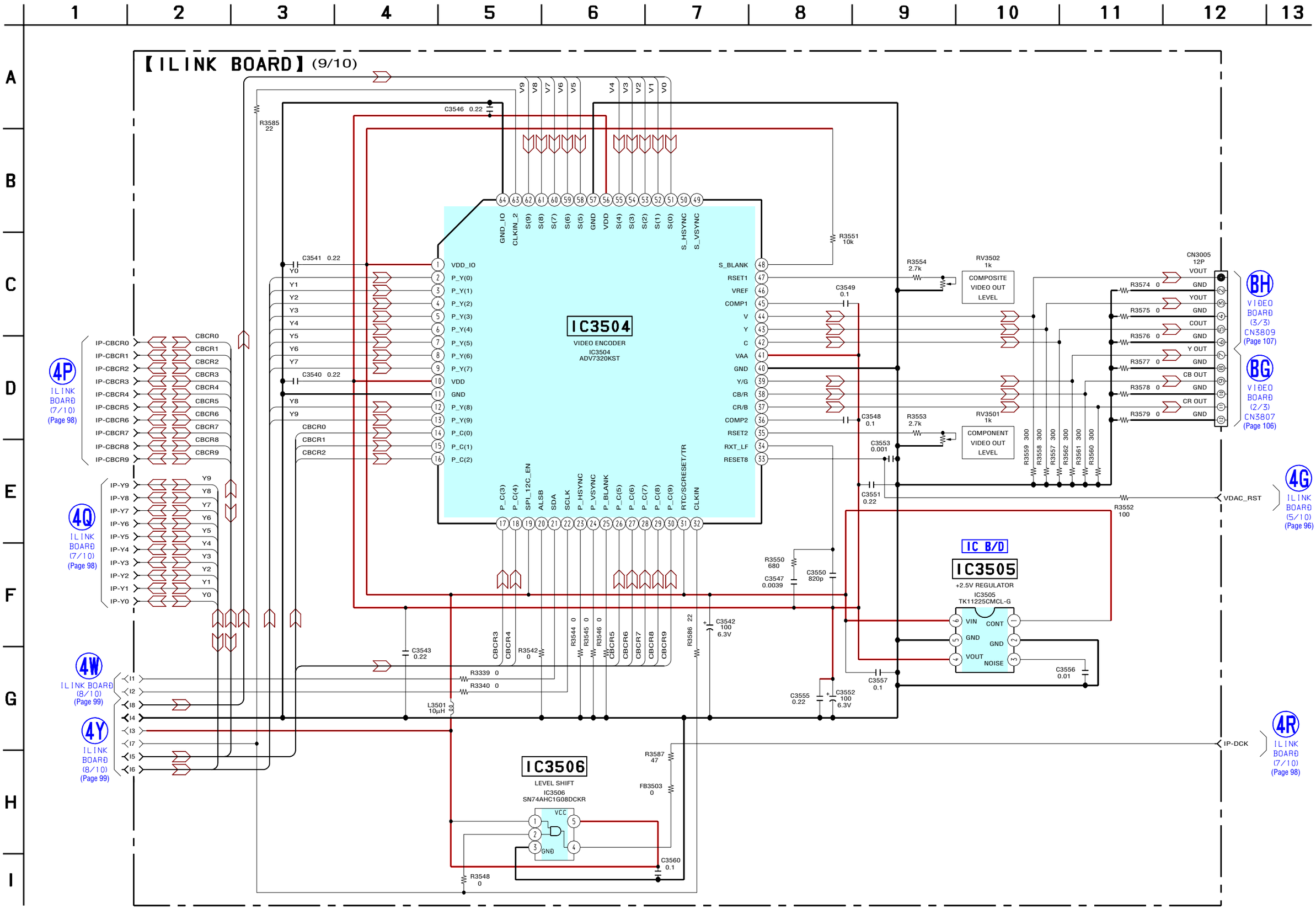
6-39. SCHEMATIC DIAGRAM – ILINK SECTION (8/10) –

• See page 148 for IC Block Diagrams. • See page 58 for IC Pin Function Description.



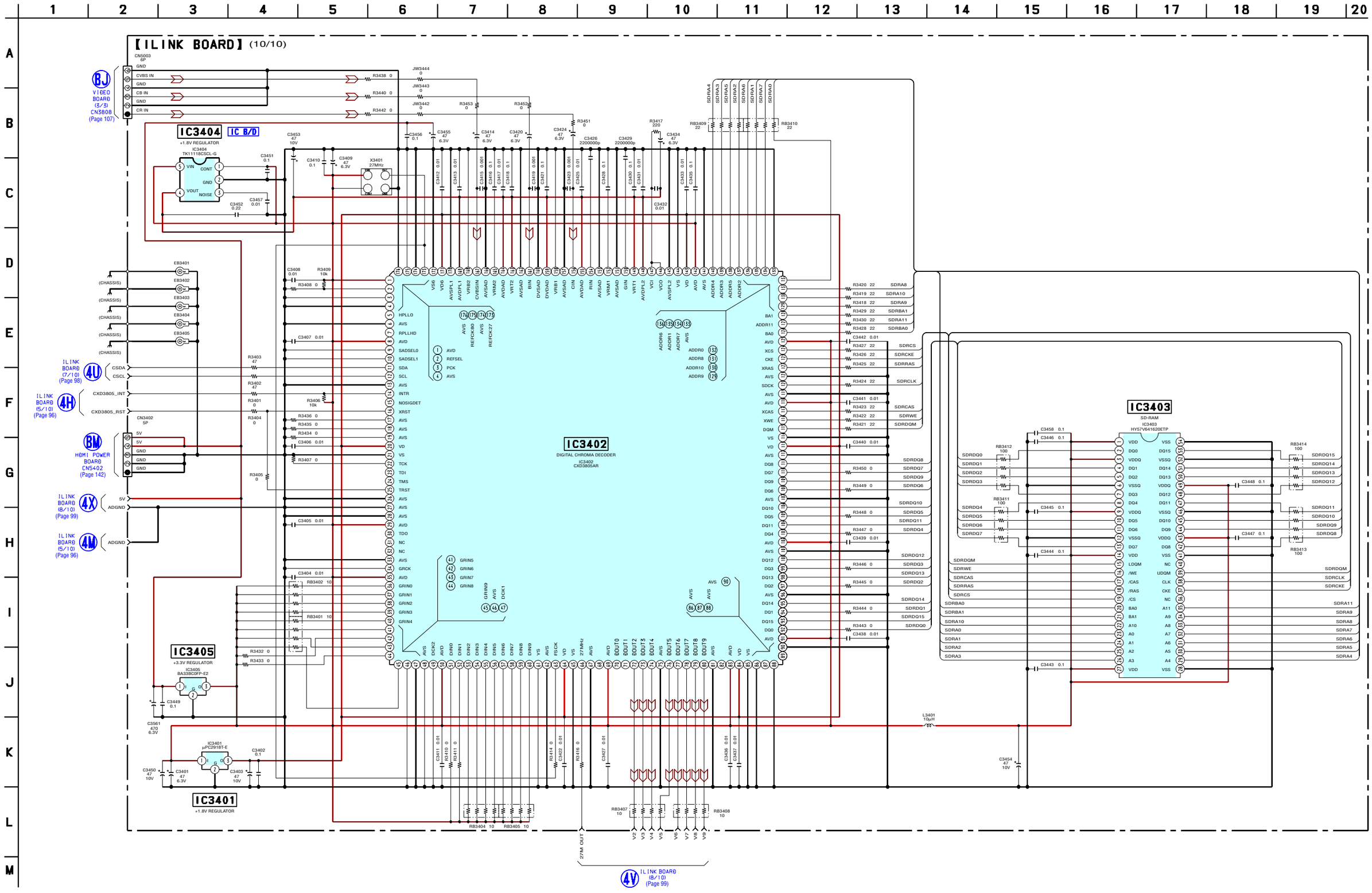
6-40. SCHEMATIC DIAGRAM – ILINK SECTION (9/10) –

• See page 149 for IC Block Diagrams. • See page 60 for IC Pin Function Description.



6-41. SCHEMATIC DIAGRAM – ILINK SECTION (10/10) –

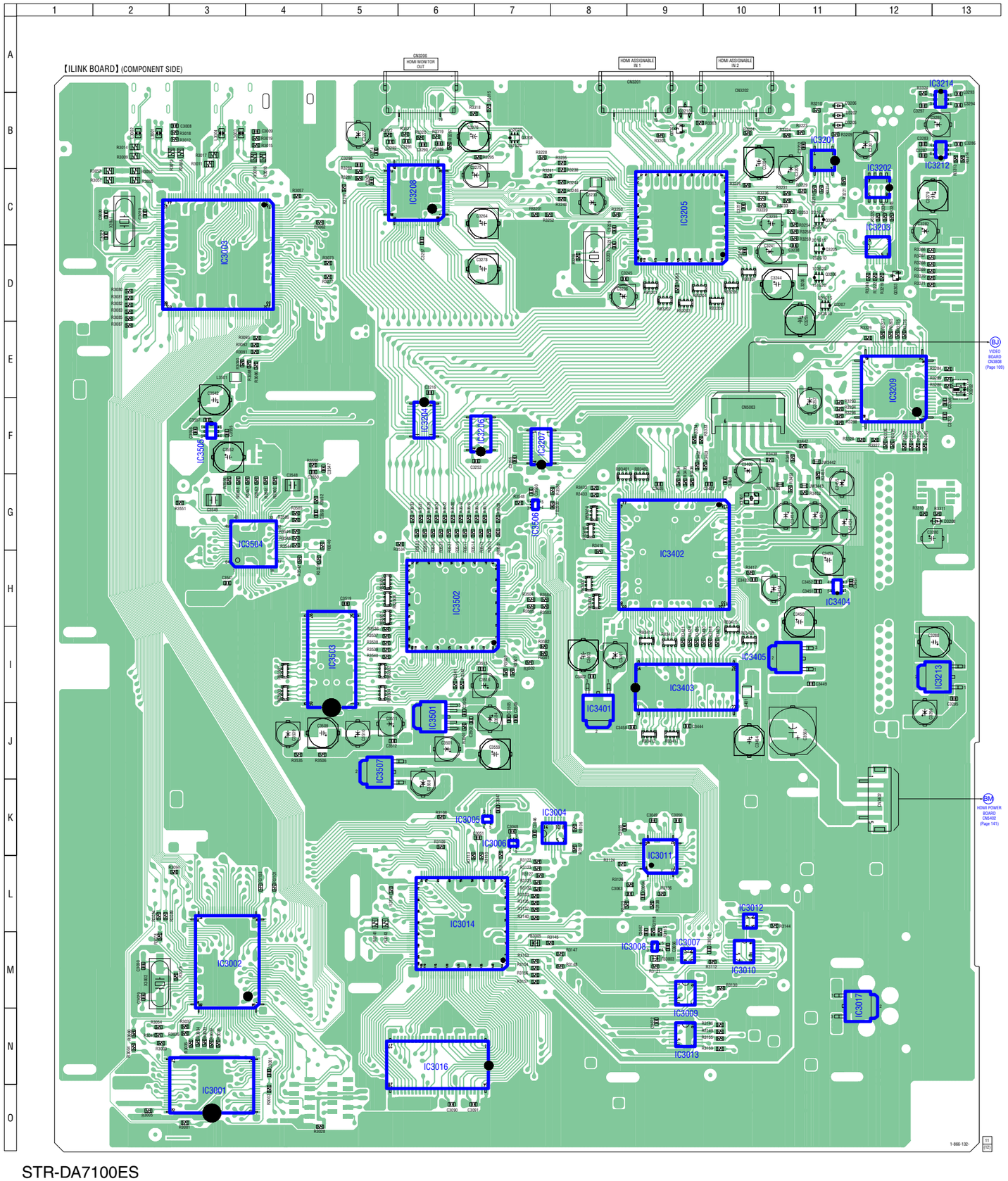
• See page 149 for IC Block Diagrams. • See page 54 for IC Pin Function Description.



6-42. PRINTED WIRING BOARD – ILINK BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.



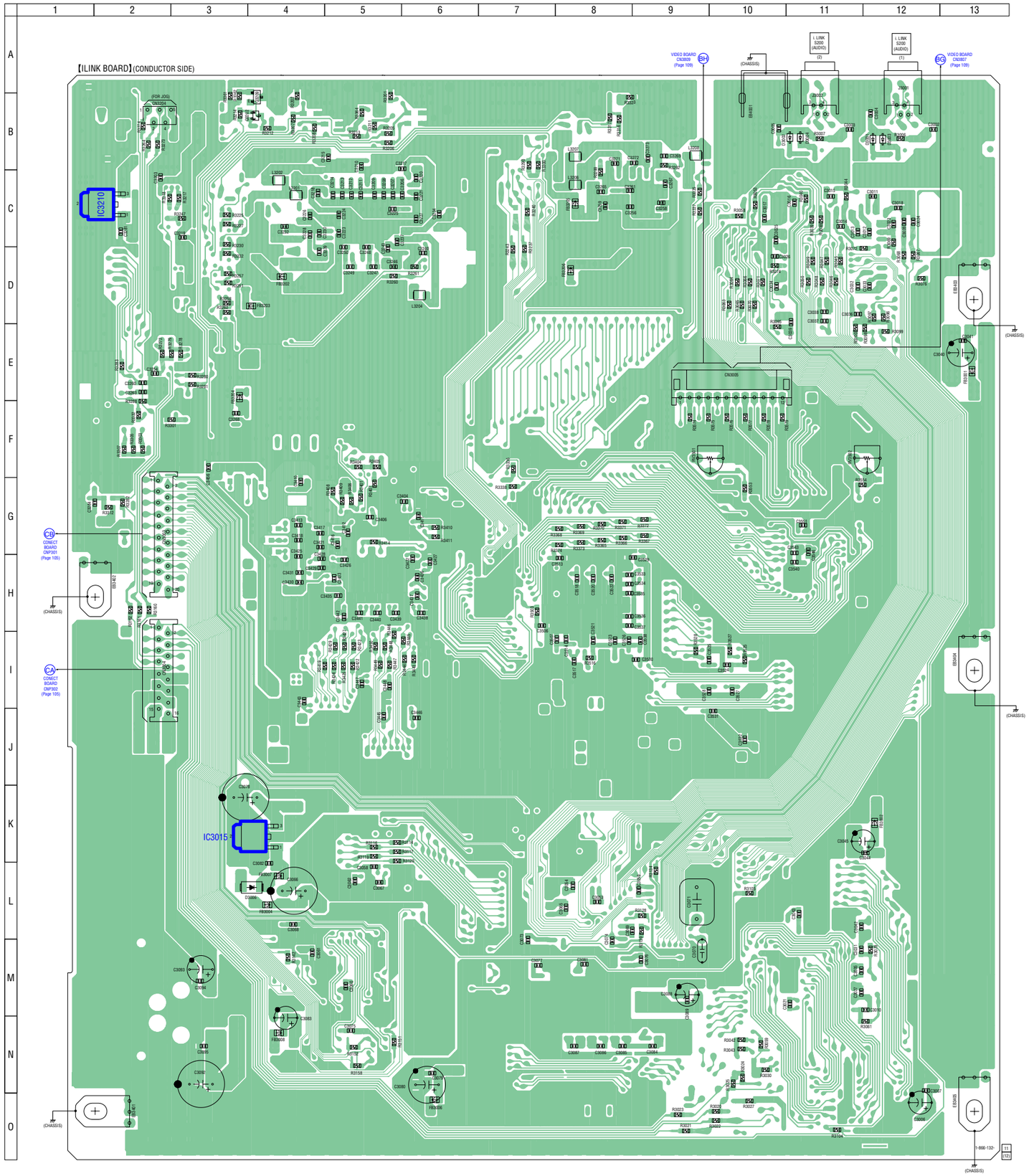
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D3205	B-11	IC3014	L-6	IC3404	H-11
D3206	B-11	IC3016	N-6	IC3405	I-11
D3207	B-11	IC3017	M-11	IC3501	J-6
D3208	G-13	IC3201	B-11	IC3502	H-6
		IC3202	C-12	IC3503	I-5
IC3001	O-3	IC3203	D-12	IC3504	G-4
IC3002	M-3	IC3204	F-6	IC3505	F-3
IC3003	D-3	IC3205	C-9	IC3506	G-7
IC3004	K-8	IC3206	F-7	IC3507	J-5
IC3005	K-7	IC3207	F-7		
IC3006	K-7	IC3208	C-6	Q3201	B-9
IC3007	M-9	IC3209	E-12	Q3203	D-12
IC3008	M-9	IC3212	B-13	Q3204	C-11
IC3009	M-9	IC3213	I-13	Q3205	D-11
IC3010	M-10	IC3214	B-13	Q3206	D-11
IC3011	L-9	IC3401	I-8	Q3207	D-11
IC3012	L-10	IC3402	H-9	Q3208	B-7
IC3013	N-9	IC3403	I-9	Q3210	B-9

6-43. PRINTED WIRING BOARD – ILINK BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.



- **Semiconductor Location**

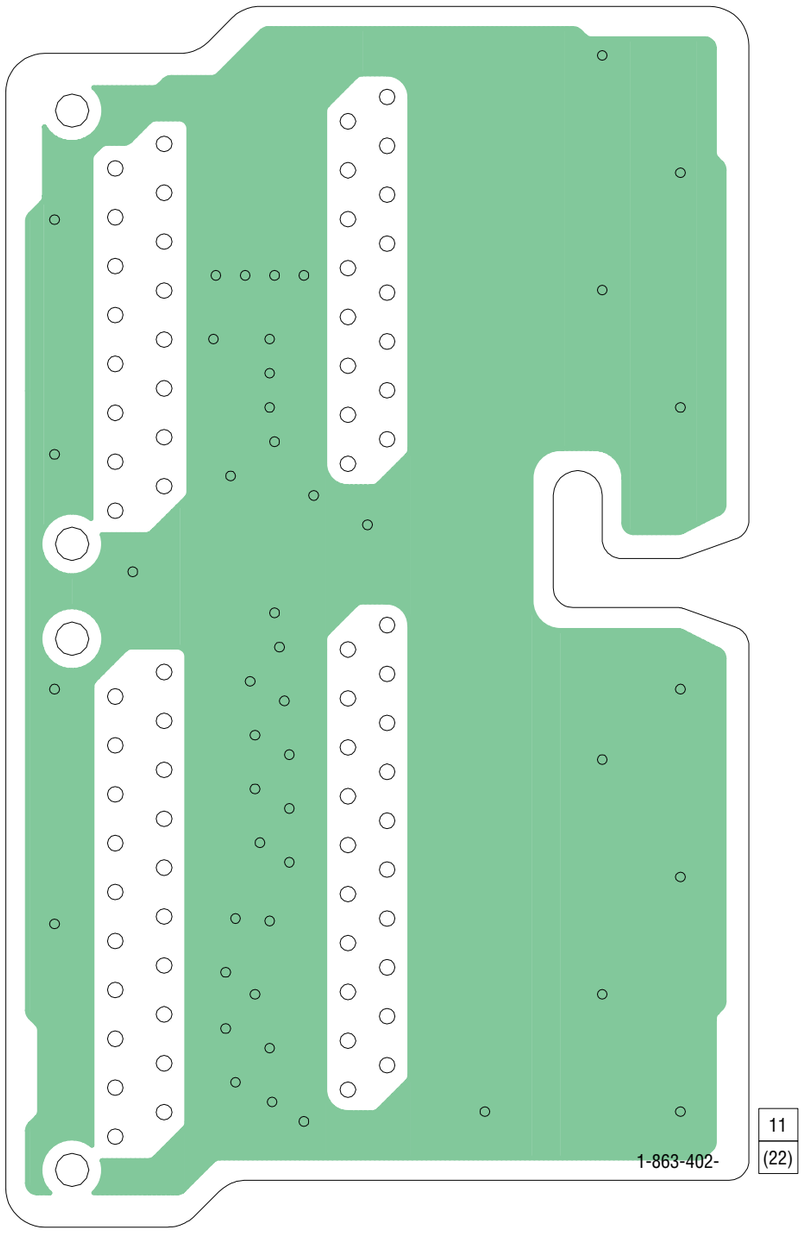
Ref. No.	Location
D3001	B-12
D3002	B-11
D3003	B-12
D3004	B-11
D3006	L-4
IC3015	K-4
IC3210	C-2
Q3202	B-4
Q3209	B-4

6-44. PRINTED WIRING BOARD – CONECT BOARDS –

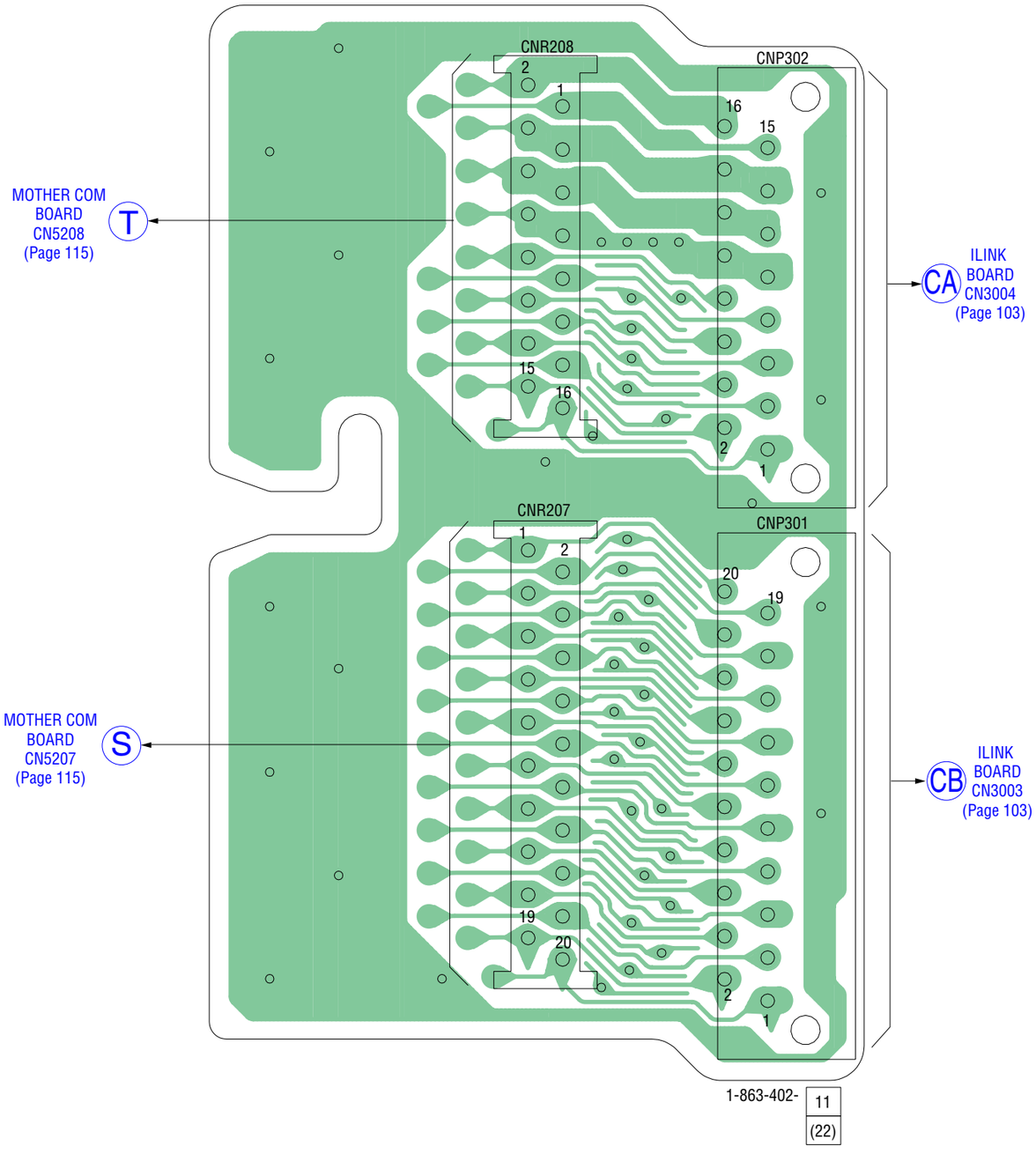
• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

【CONECT BOARD】(COMPONENT SIDE)

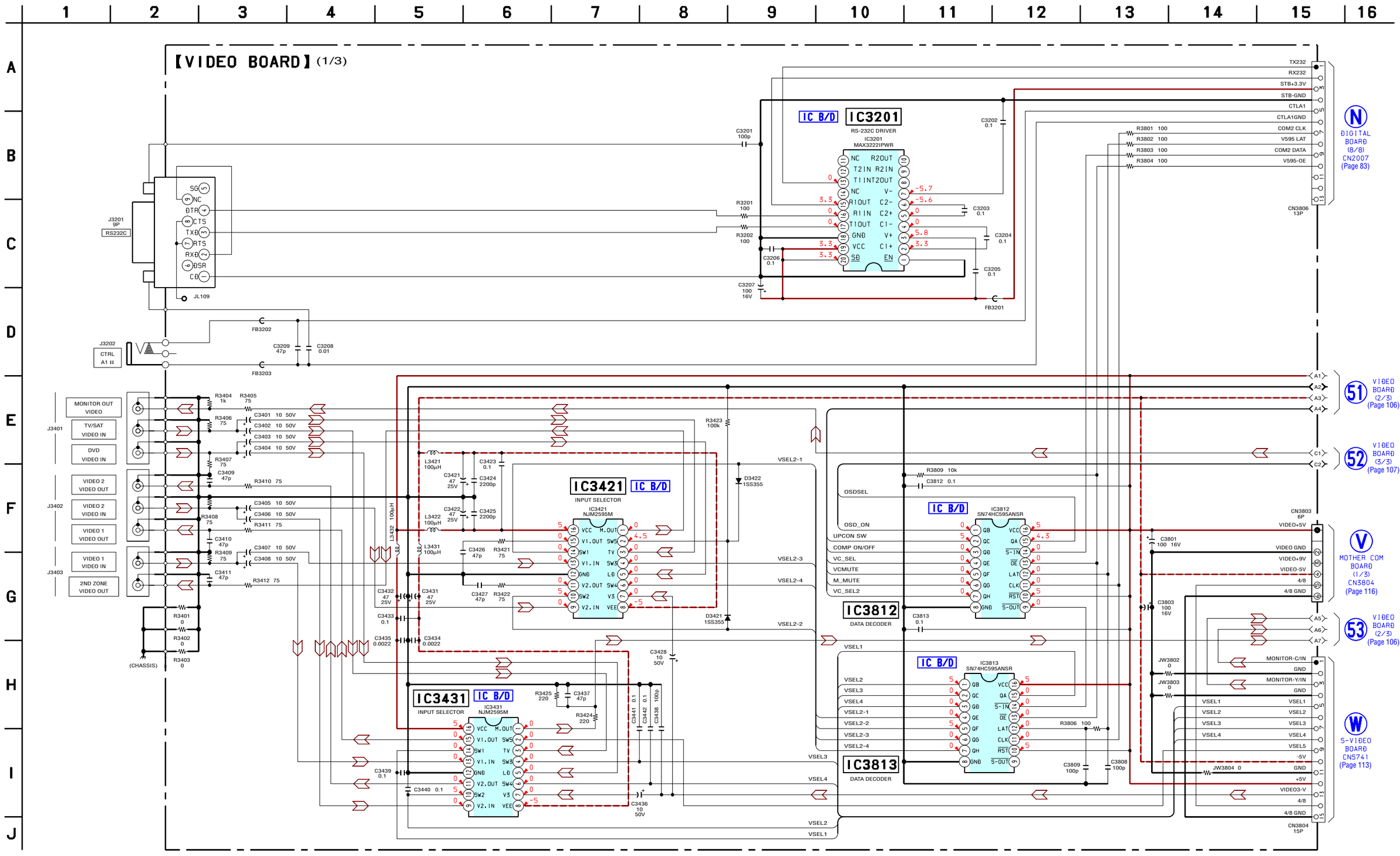


【CONECT BOARD】(CONDUCTOR SIDE)



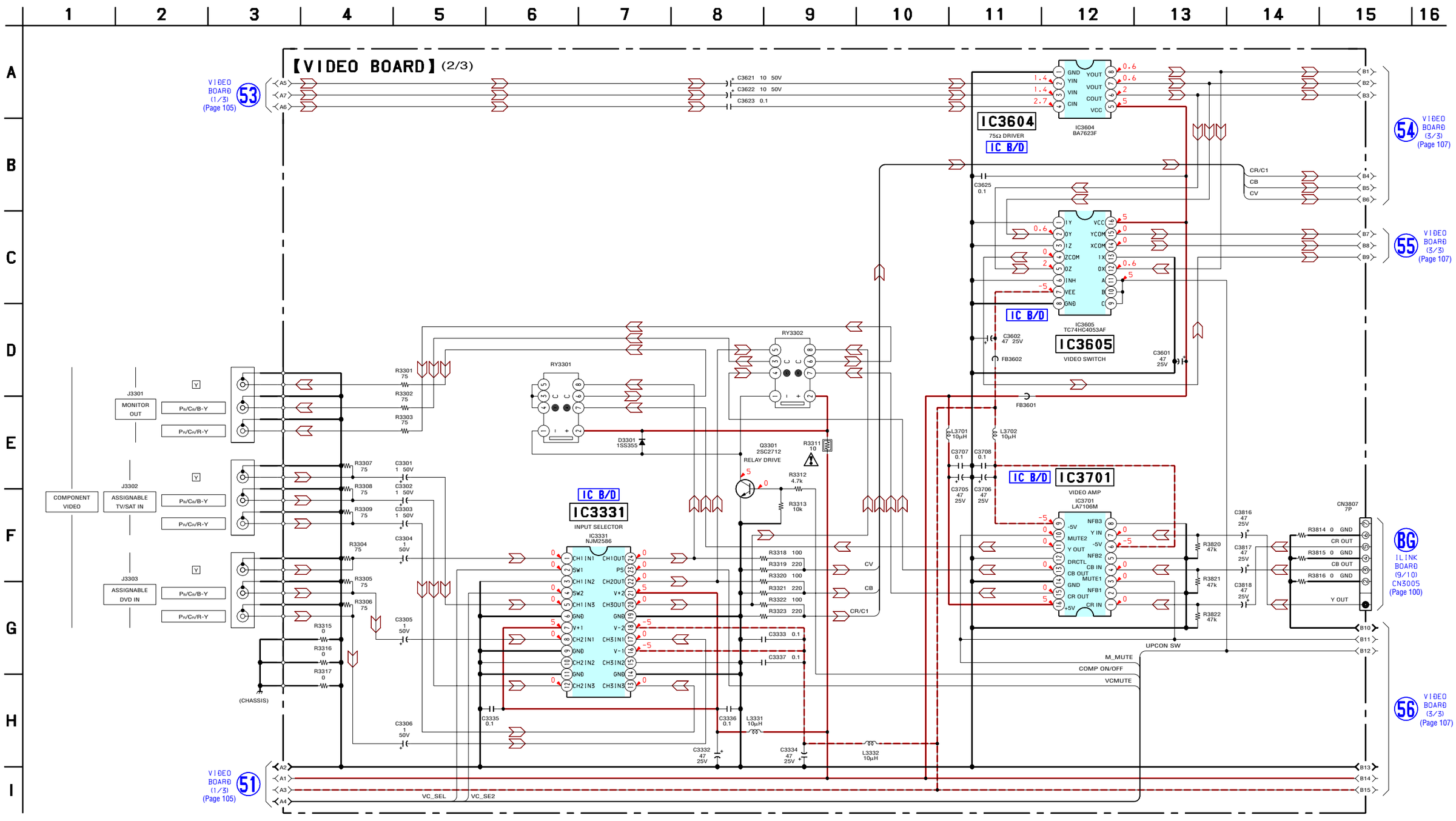
6-45. SCHEMATIC DIAGRAM – VIDEO BOARD (1/3) –

• See page 151, 152 for IC Block Diagrams.



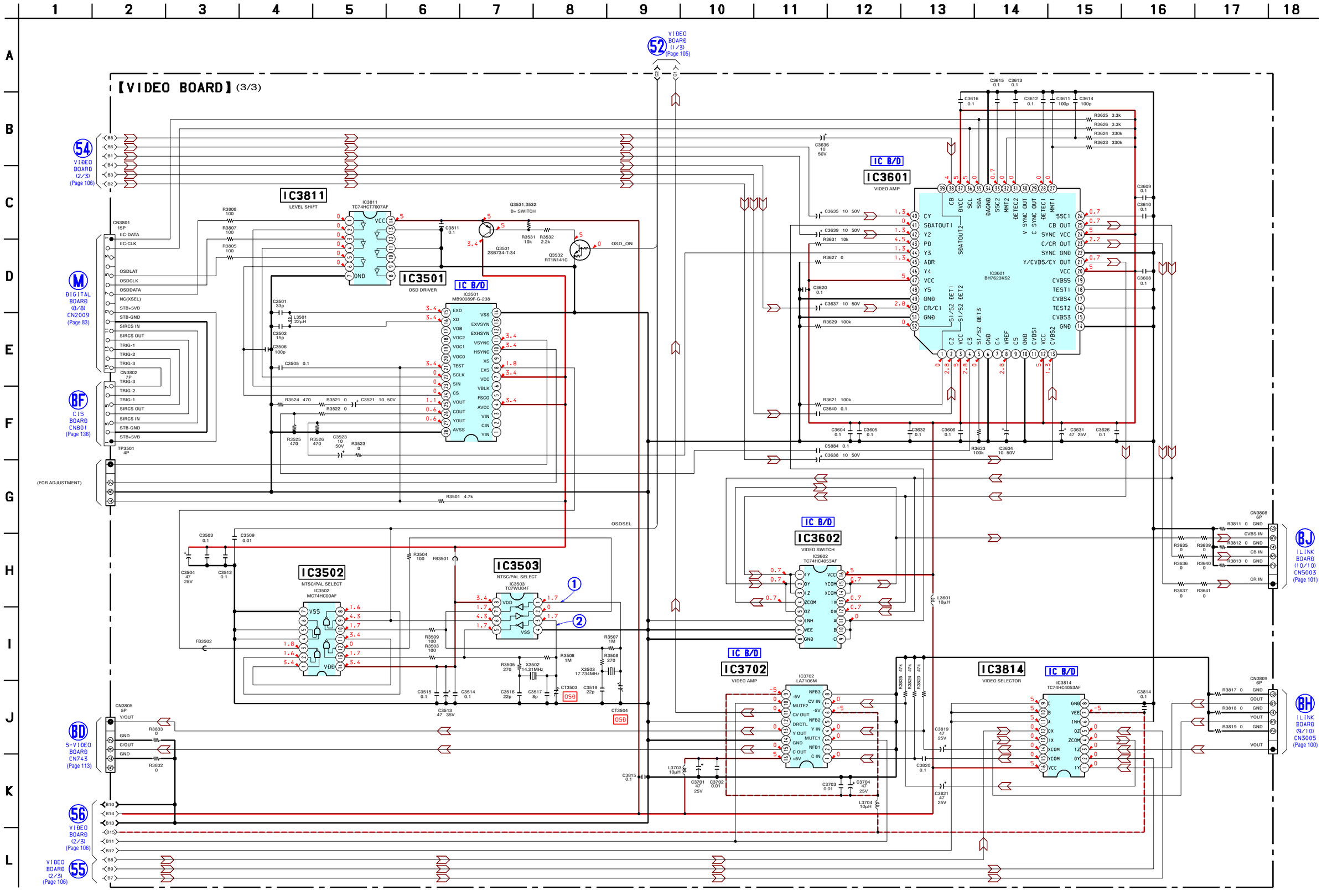
6-46. SCHEMATIC DIAGRAM – VIDEO BOARD (2/3) –

• See page 150, 151, 153 for IC Block Diagrams.



6-47. SCHEMATIC DIAGRAM – VIDEO BOARD (3/3) –

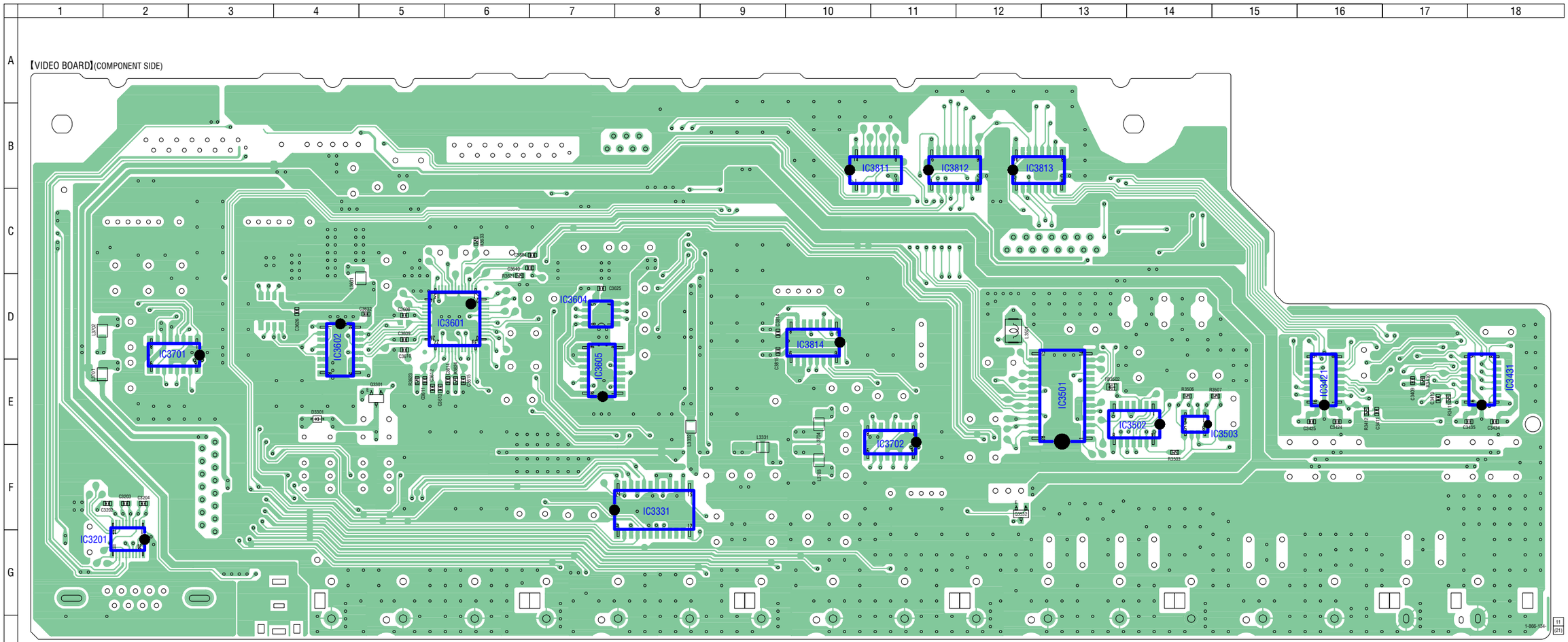
• See page 148 for waveforms. • See page 150, 151, 153 for IC Block Diagrams. • See page 57 for IC Pin Function Description.



6-48. PRINTED WIRING BOARD – VIDEO BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.



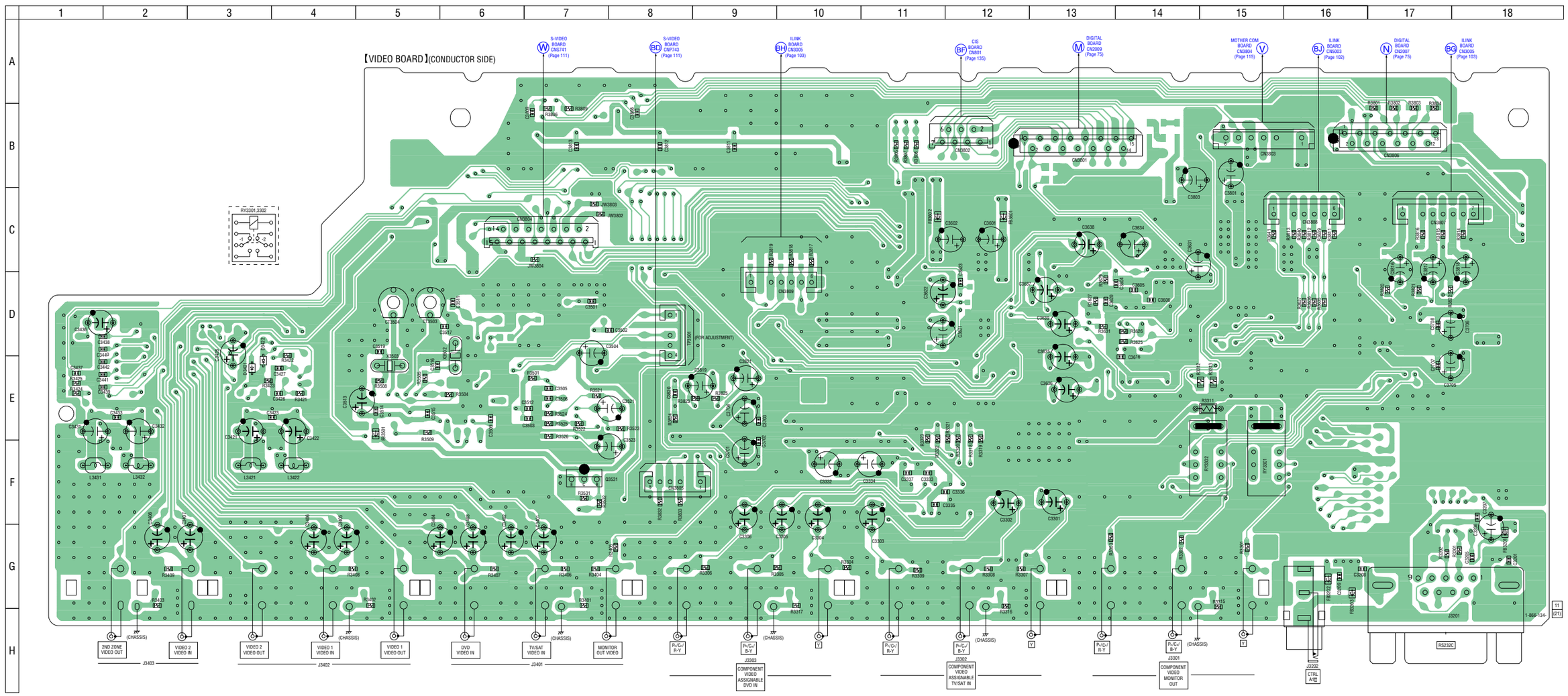
- **Semiconductor Location**

Ref. No.	Location
D3301	E-4
IC3201	G-2
IC3331	F-8
IC3421	E-16
IC3431	E-18
IC3501	E-13
IC3502	E-14
IC3503	E-14
IC3601	D-6
IC3602	D-4
IC3604	D-7
IC3605	E-7
IC3701	D-2
IC3702	E-11
IC3811	B-11
IC3812	B-11
IC3813	B-12
IC3814	D-10
Q3301	E-5
Q3532	F-12

6-49. PRINTED WIRING BOARD – VIDEO BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.



- **Semiconductor Location**

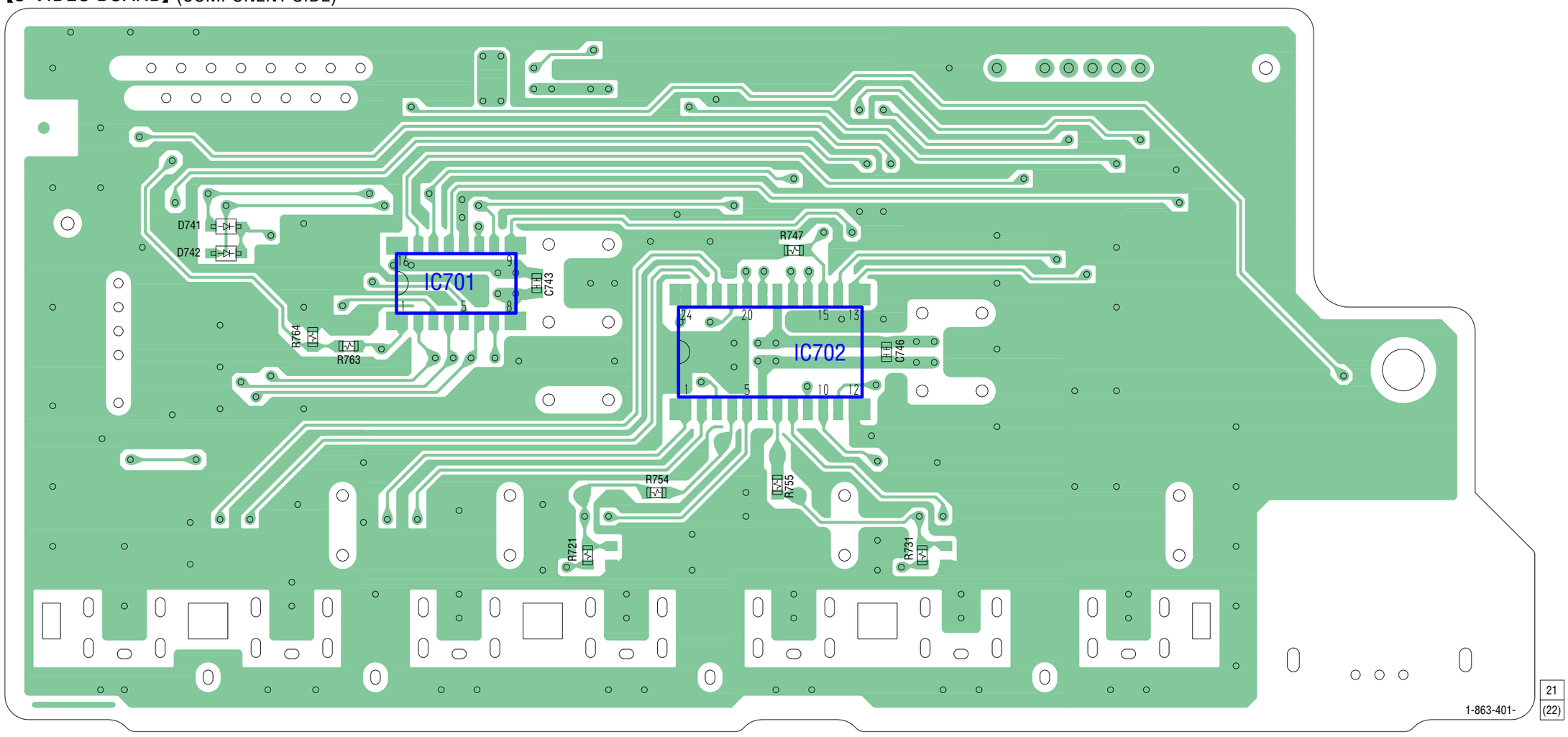
Ref. No.	Location
D3421	E-3
D3422	E-3
Q3531	F-7

6-50. PRINTED WIRING BOARD – S-VIDEO BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

【S-VIDEO BOARD】(COMPONENT SIDE)

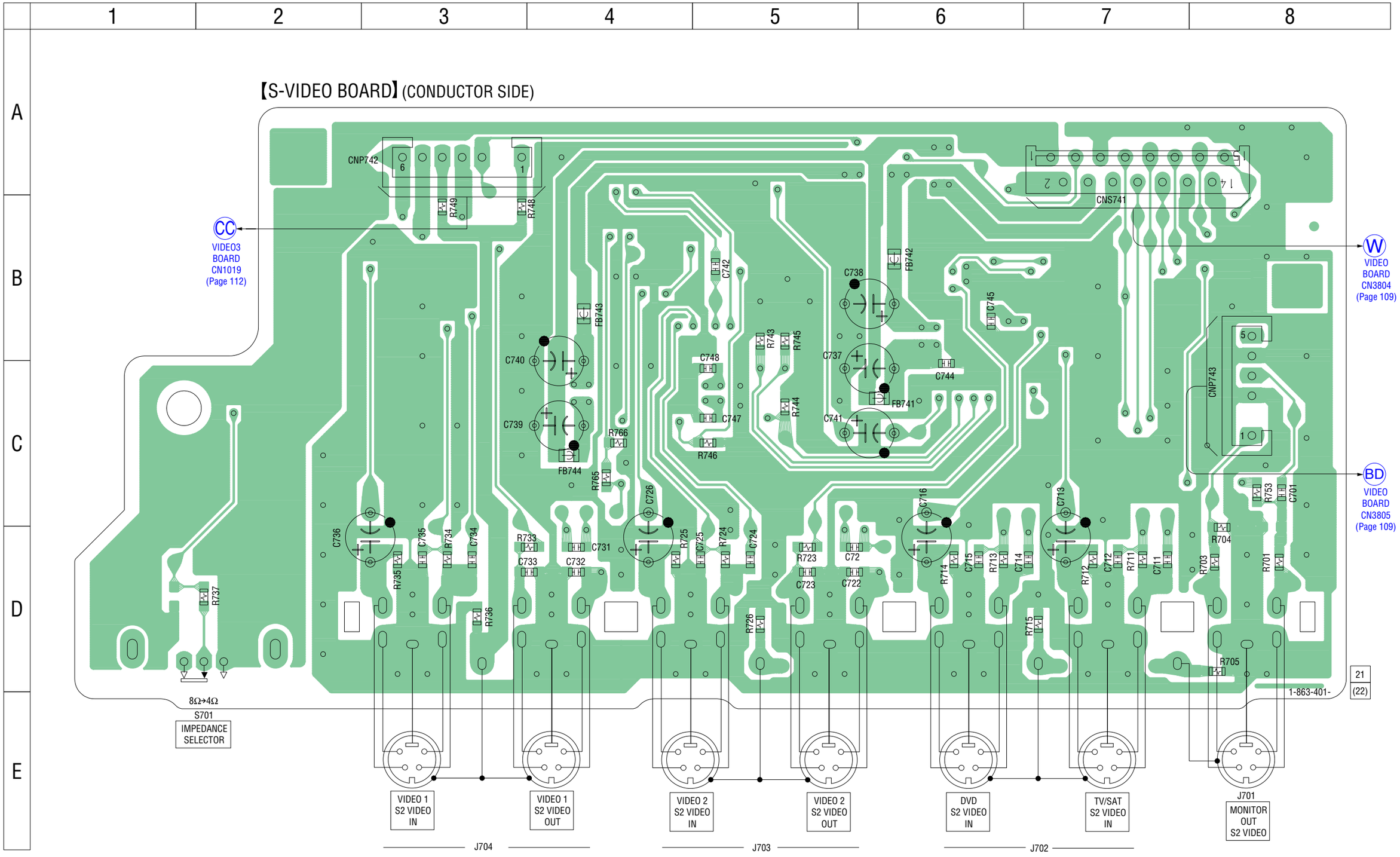


6-51. PRINTED WIRING BOARD – S-VIDEO BOARD (CONDUCTOR SIDE) –

• See page 112for Circuit Boards Location.

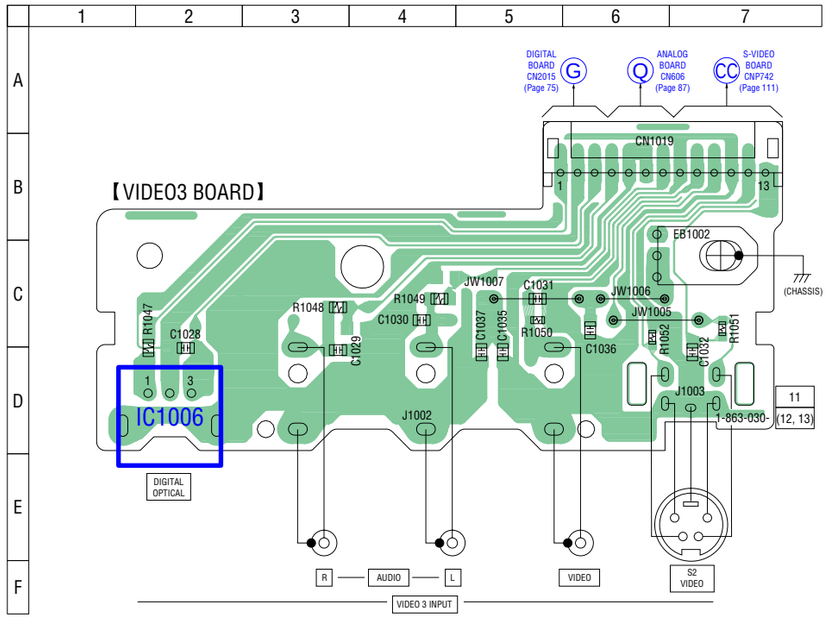
: Uses unleaded solder.

【S-VIDEO BOARD】(CONDUCTOR SIDE)

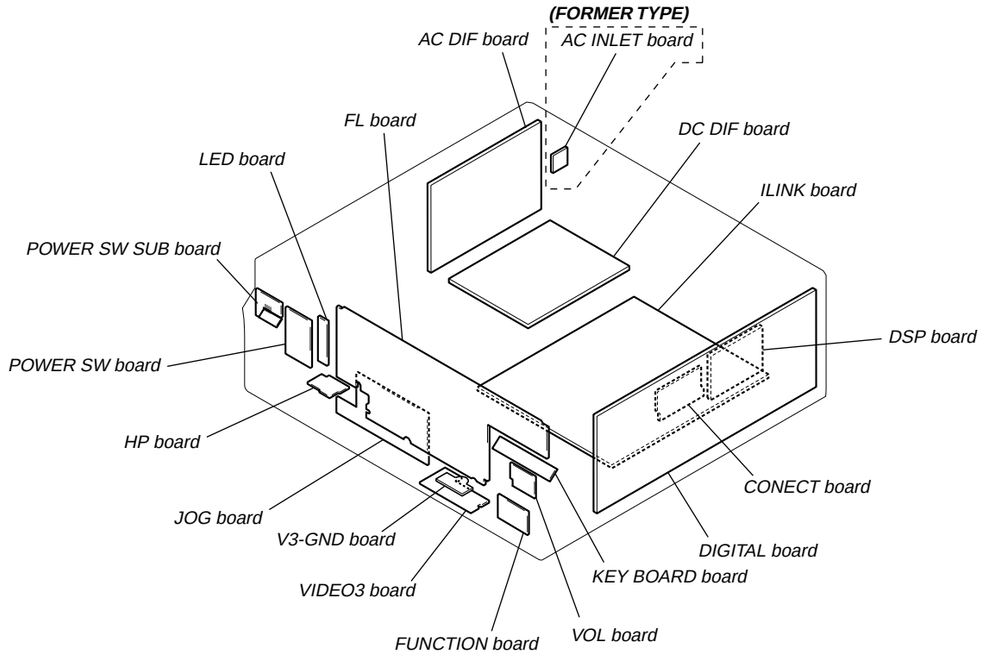


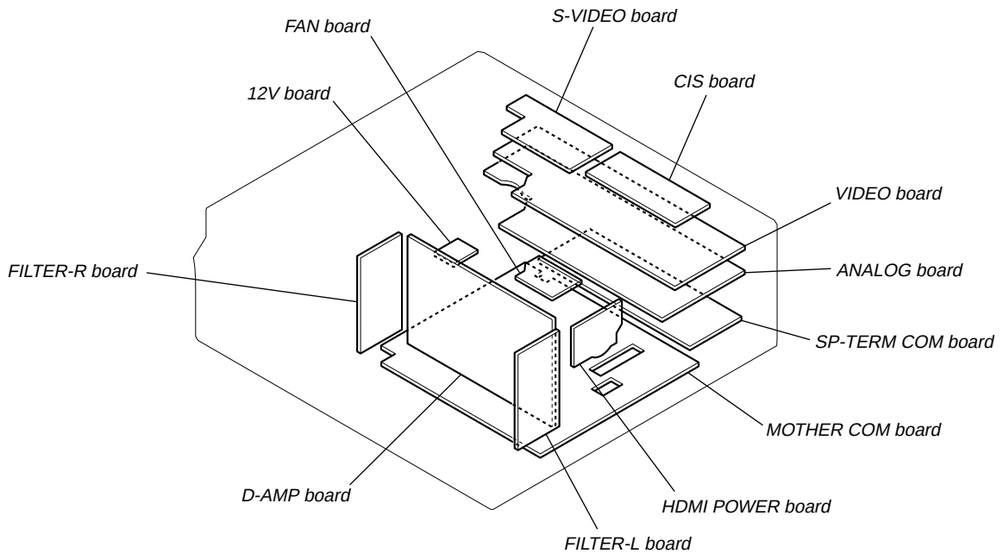
6-52. PRINTED WIRING BOARD – VIDEO3 BOARD –

• See page 112 for Circuit Boards Location. : Uses unleaded solder.



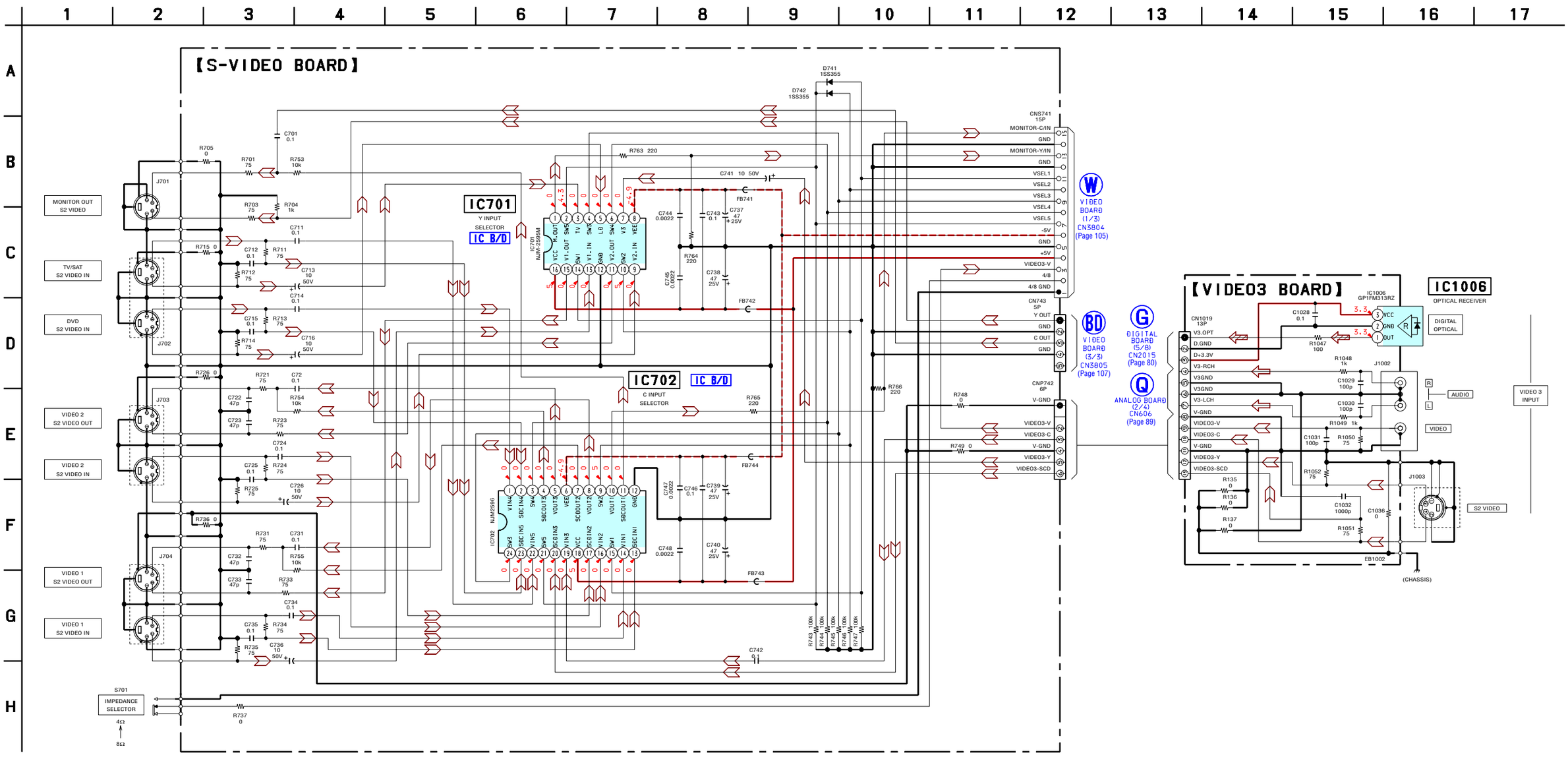
• **Circuit Boards Location**





6-53. SCHEMATIC DIAGRAM – S-VIDEO SECTION –

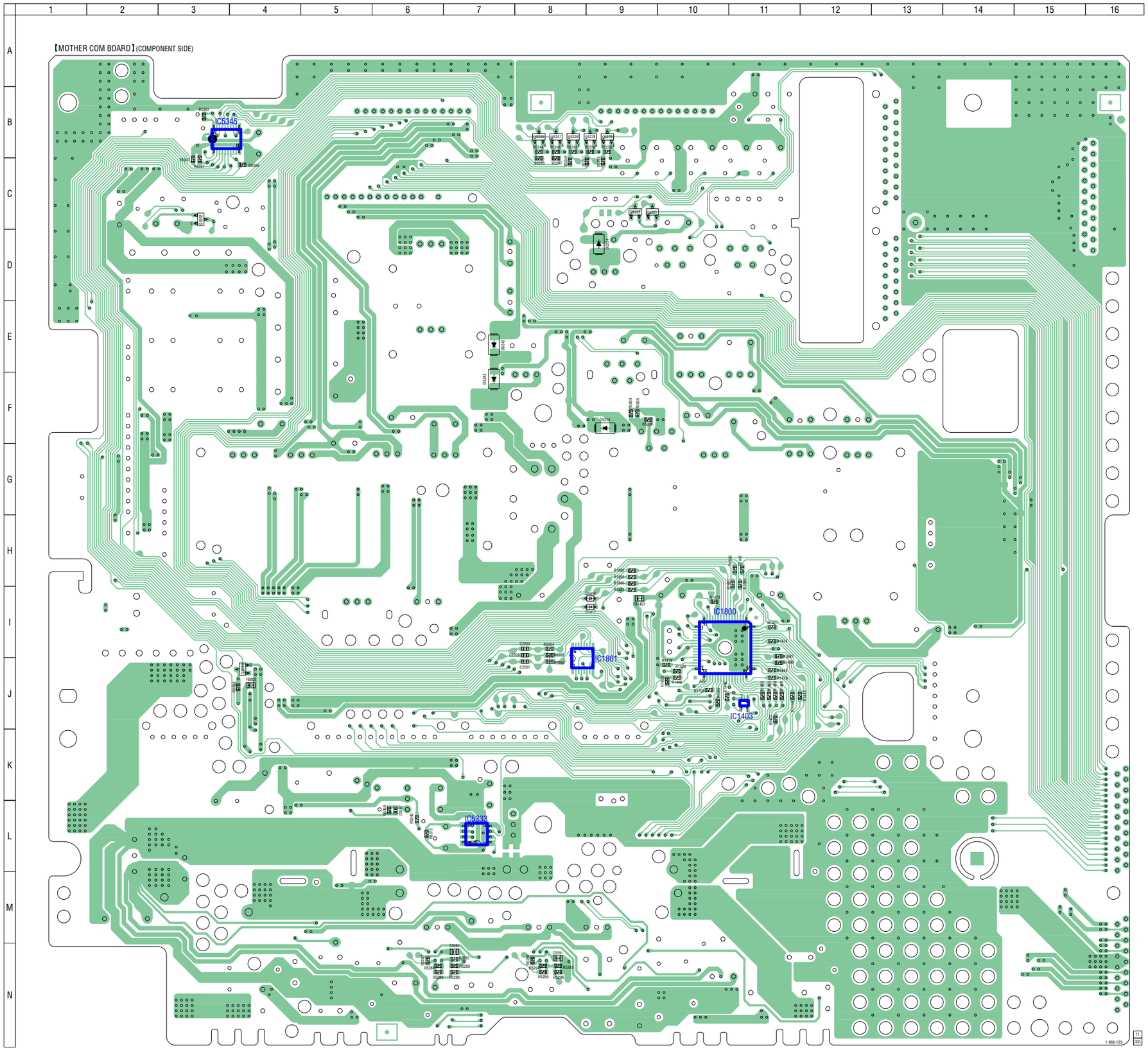
• See page 162, 163 for IC Block Diagrams.



6-54. PRINTED WIRING BOARD – MOTHER COM BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.



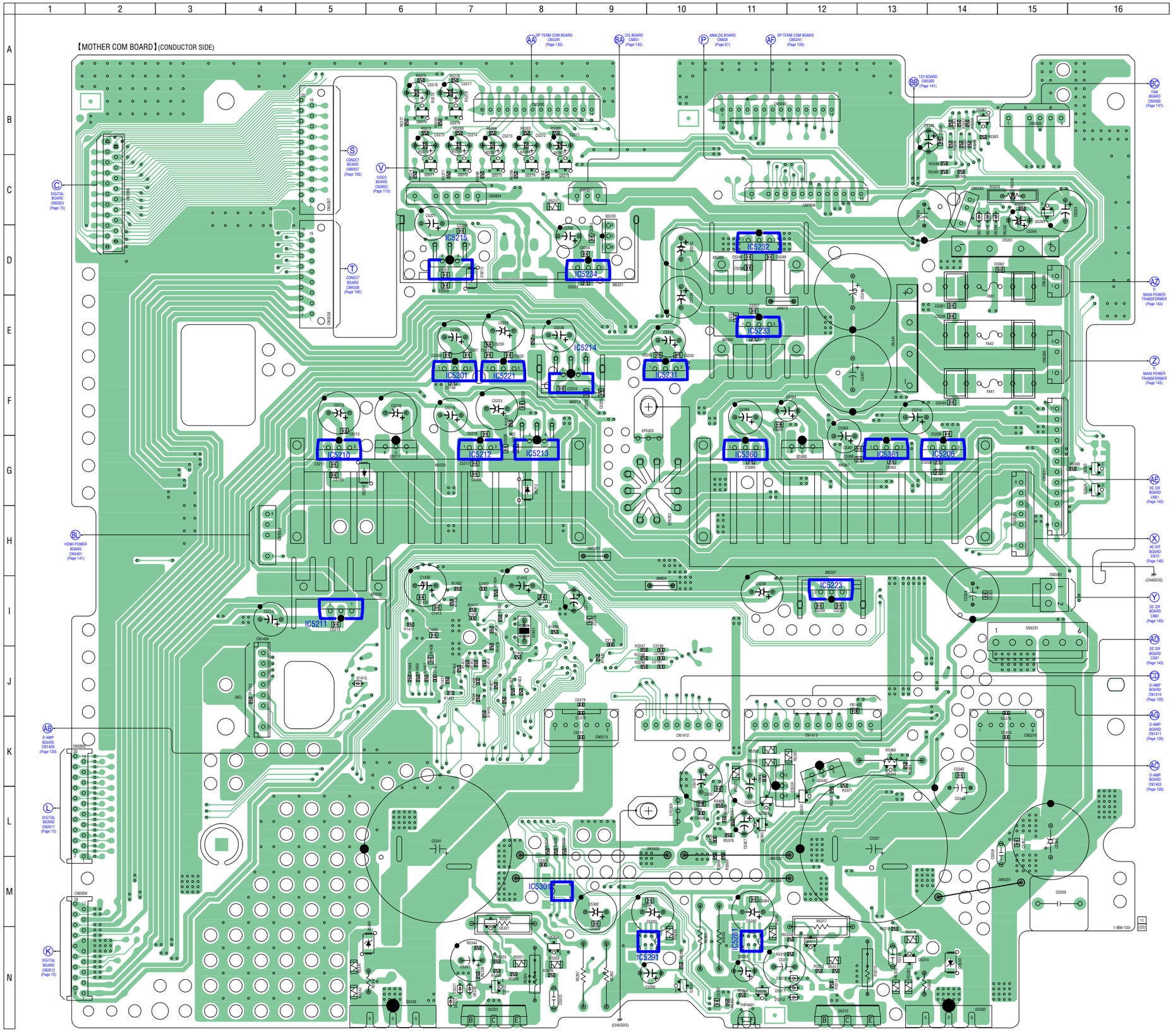
- **Semiconductor Location**

Ref. No.	Location
D1416	I-9
D1417	I-9
D5214	F-9
D5224	D-9
D5242	E-7
D5243	F-7
IC1403	J-11
IC1800	I-10
IC1801	J-8
IC5333	L-7
IC5345	B-3
Q5231	C-9
Q5232	C-9
Q5245	B-8
Q5247	B-8
Q5249	B-8
Q5262	C-3
Q5269	J-4
Q5276	B-9
Q5278	B-9

6-55. PRINTED WIRING BOARD – MOTHER COM BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

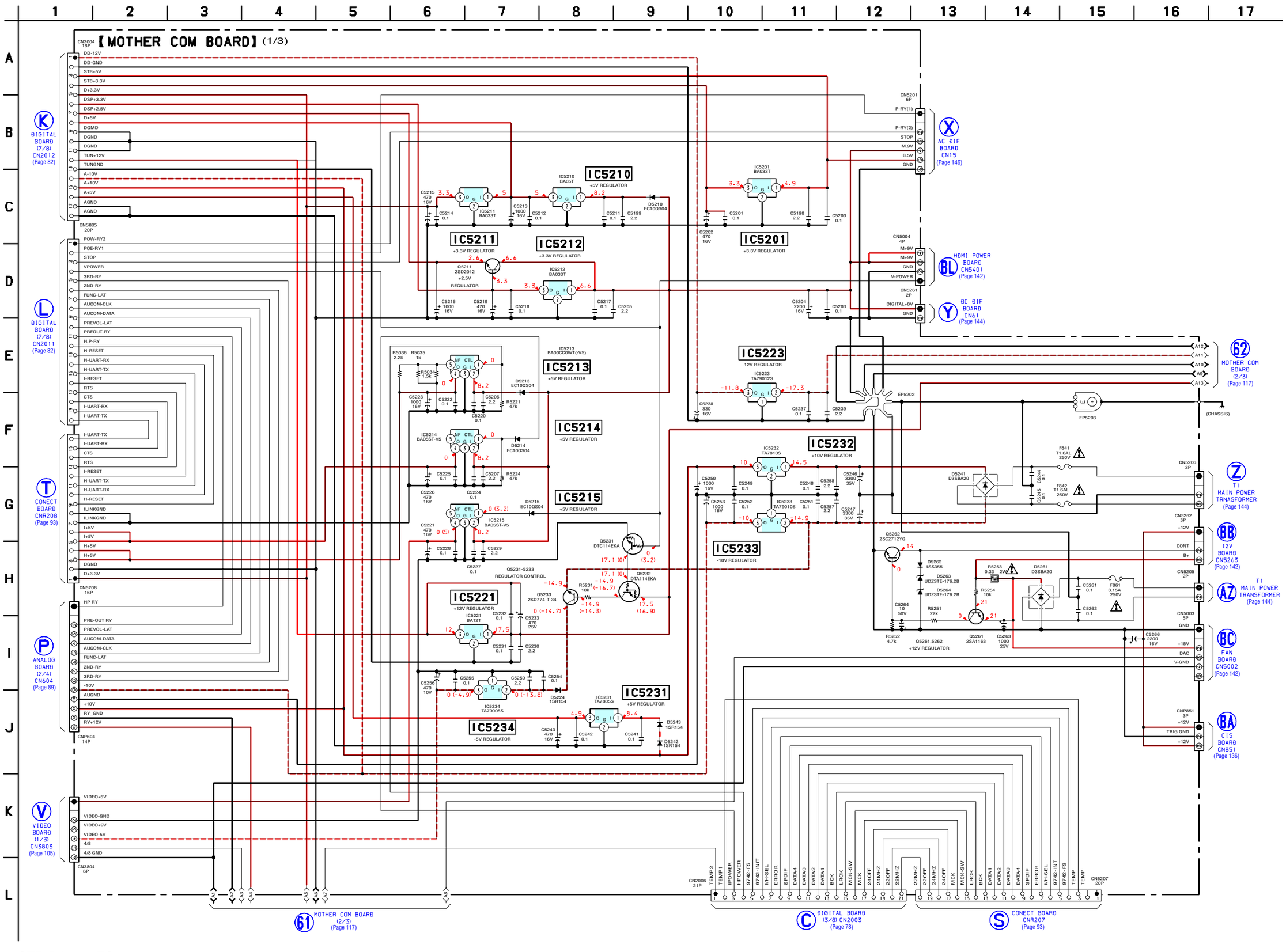
: Uses unleaded solder.



• **Semiconductor Location**

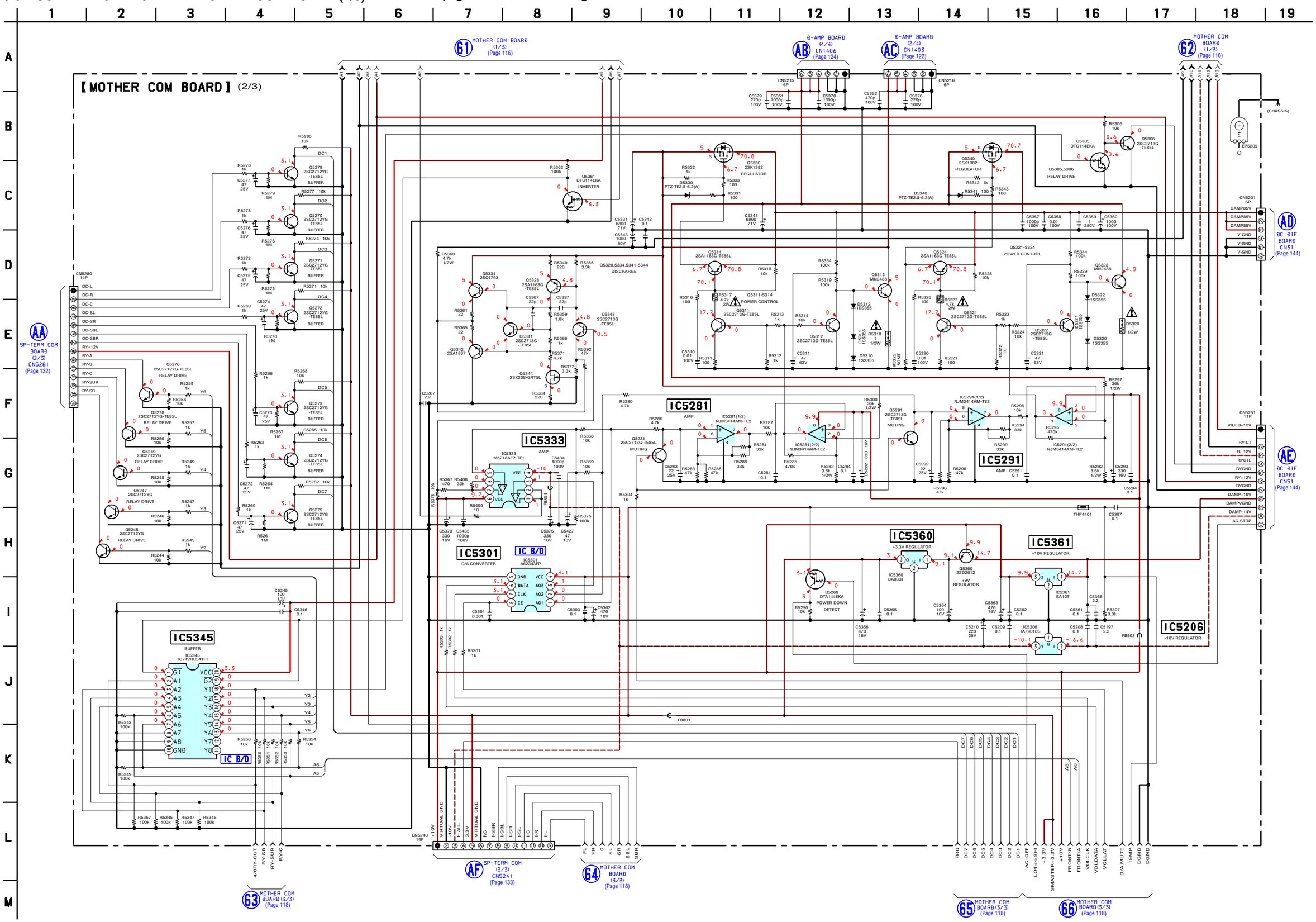
Ref. No.	Location	Ref. No.	Location
D1415	J-5	IC5360	G-11
D5210	G-5	IC5361	G-13
D5213	G-8		
D5215	D-7	Q5211	G-6
D5241	E-13	Q5233	D-9
D5261	D-15	Q5261	C-15
D5262	C-14	Q5270	B-6
D5263	C-14	Q5271	C-6
D5264	C-14	Q5272	C-7
D5310	N-12	Q5273	C-7
D5311	N-12	Q5274	C-8
D5312	N-12	Q5275	C-8
D5320	N-7	Q5279	B-7
D5321	N-7	Q5281	N-11
D5322	N-7	Q5291	N-10
D5330	N-14	Q5305	G-16
D5340	N-6	Q5306	G-16
		Q5311	N-12
IC5201	F-7	Q5312	N-12
IC5206	G-14	Q5313	N-12
IC5210	G-5	Q5314	N-13
IC5211	I-5	Q5321	M-7
IC5212	G-7	Q5322	N-7
IC5213	G-8	Q5323	N-7
IC5214	F-8	Q5324	N-8
IC5215	D-7	Q5328	L-11
IC5221	F-7	Q5330	N-14
IC5223	I-12	Q5334	K-11
IC5231	F-10	Q5340	N-6
IC5232	D-11	Q5341	L-12
IC5233	E-11	Q5342	K-12
IC5234	D-9	Q5343	L-11
IC5281	N-11	Q5344	K-13
IC5291	N-10	Q5360	G-12
IC5301	M-8	Q5361	B-14

6-56. SCHEMATIC DIAGRAM – MOTHER COM BOARD (1/3) –

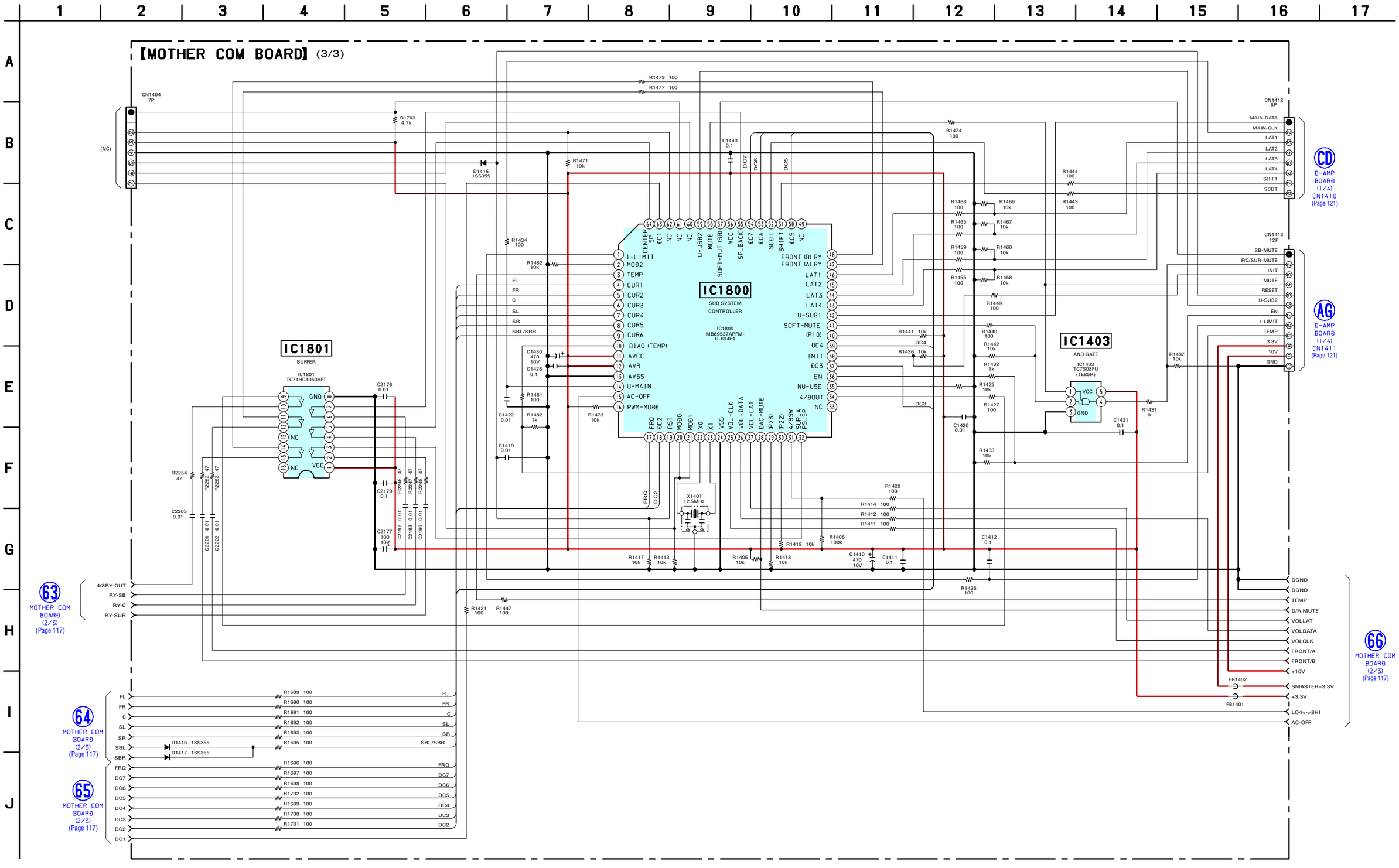


6-57. SCHEMATIC DIAGRAM – MOTHER COM BOARD (2/3) –

• See page 160 for IC Block Diagrams.



6-58. SCHEMATIC DIAGRAM – MOTHER COM BOARD (3/3) –

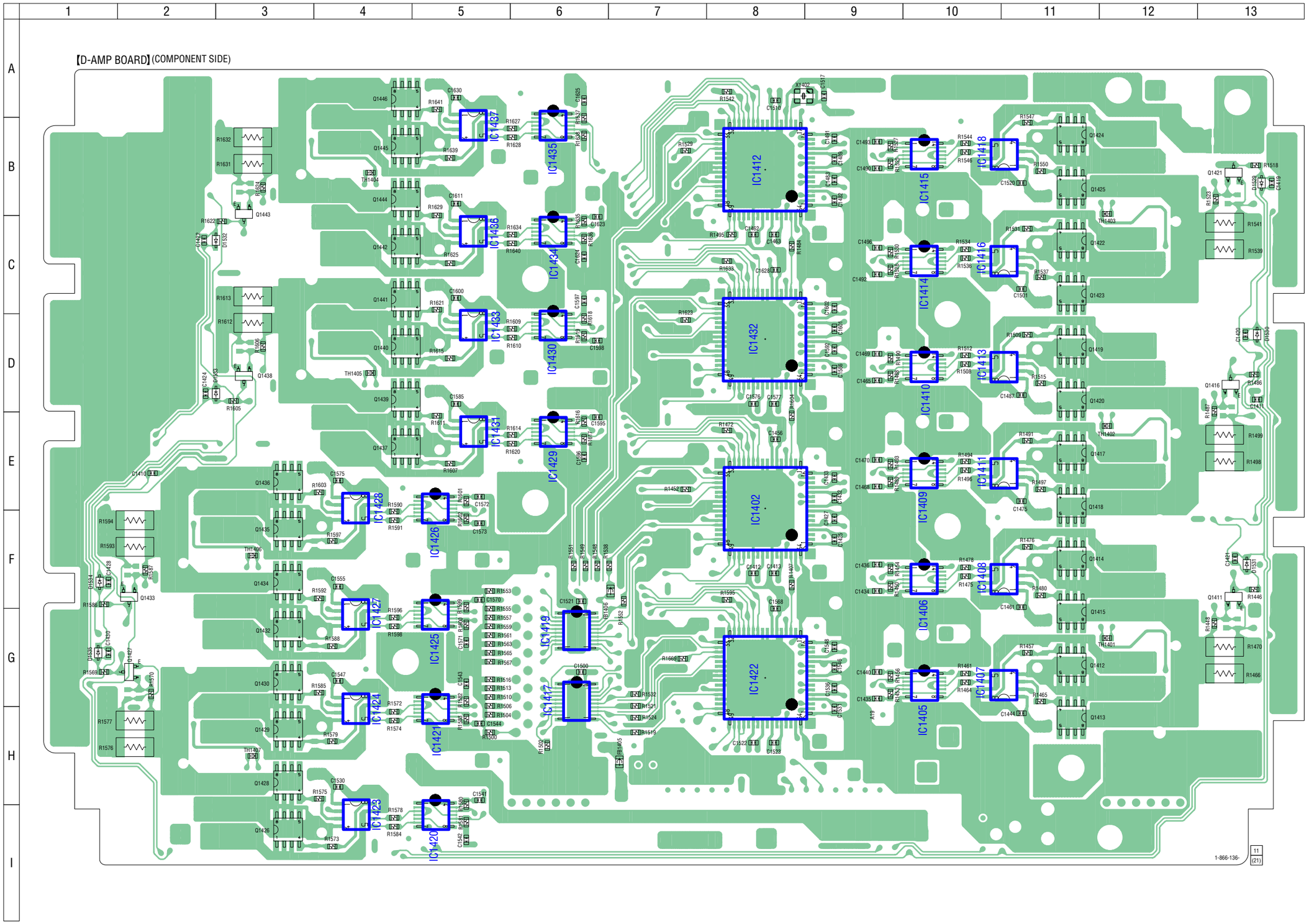


6-59. PRINTED WIRING BOARD – D-AMP BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

【D-AMP BOARD】(COMPONENT SIDE)



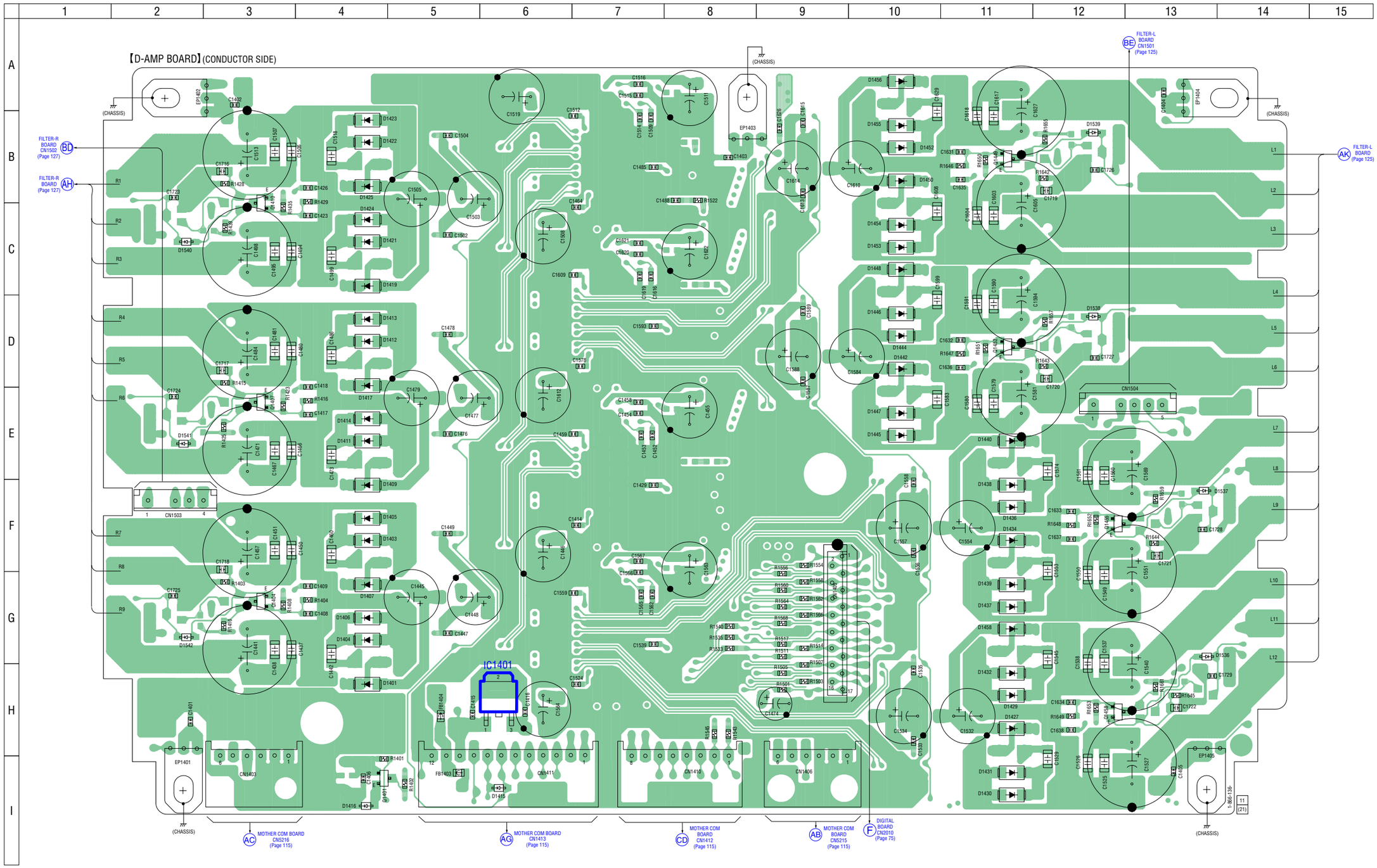
When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

• Semiconductor Location

Ref. No.	Location
D1529	B-13
D1530	D-13
D1531	F-13
D1532	C-3
D1533	D-3
D1534	F-1
D1535	G-1
IC1402	E-8
IC1405	G-10
IC1406	F-10
IC1407	G-11
IC1408	F-11
IC1409	E-10
IC1410	D-10
IC1411	E-11
IC1412	B-8
IC1413	D-11
IC1414	C-10
IC1415	B-10
IC1416	C-11
IC1417	G-6
IC1418	B-11
IC1419	G-6
IC1420	I-5
IC1421	H-5
IC1422	G-8
IC1423	I-4
IC1424	H-4
IC1425	G-5
IC1426	E-5
IC1427	G-4
IC1428	E-4
IC1429	E-6
IC1430	D-6
IC1431	E-5
IC1432	D-8
IC1433	D-5
IC1434	C-6
IC1435	B-6
IC1436	C-5
IC1437	B-5
Q1411	F-13
Q1412	G-11
Q1413	H-11
Q1414	F-11
Q1415	G-11
Q1416	D-13
Q1417	E-11
Q1418	E-11
Q1419	D-11
Q1420	D-11
Q1421	B-13
Q1422	C-11
Q1423	C-11
Q1424	B-11
Q1425	B-11
Q1426	I-3
Q1427	G-2
Q1428	H-3
Q1429	H-3
Q1430	G-3
Q1432	G-3
Q1433	F-2
Q1434	F-3
Q1435	F-3
Q1436	E-3
Q1437	E-4
Q1438	D-3
Q1439	D-4
Q1440	D-4
Q1441	C-4
Q1442	C-4
Q1443	B-3
Q1444	B-4
Q1445	B-4
Q1446	A-4

6-60. PRINTED WIRING BOARD – D-AMP BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location. : Uses unleaded solder.

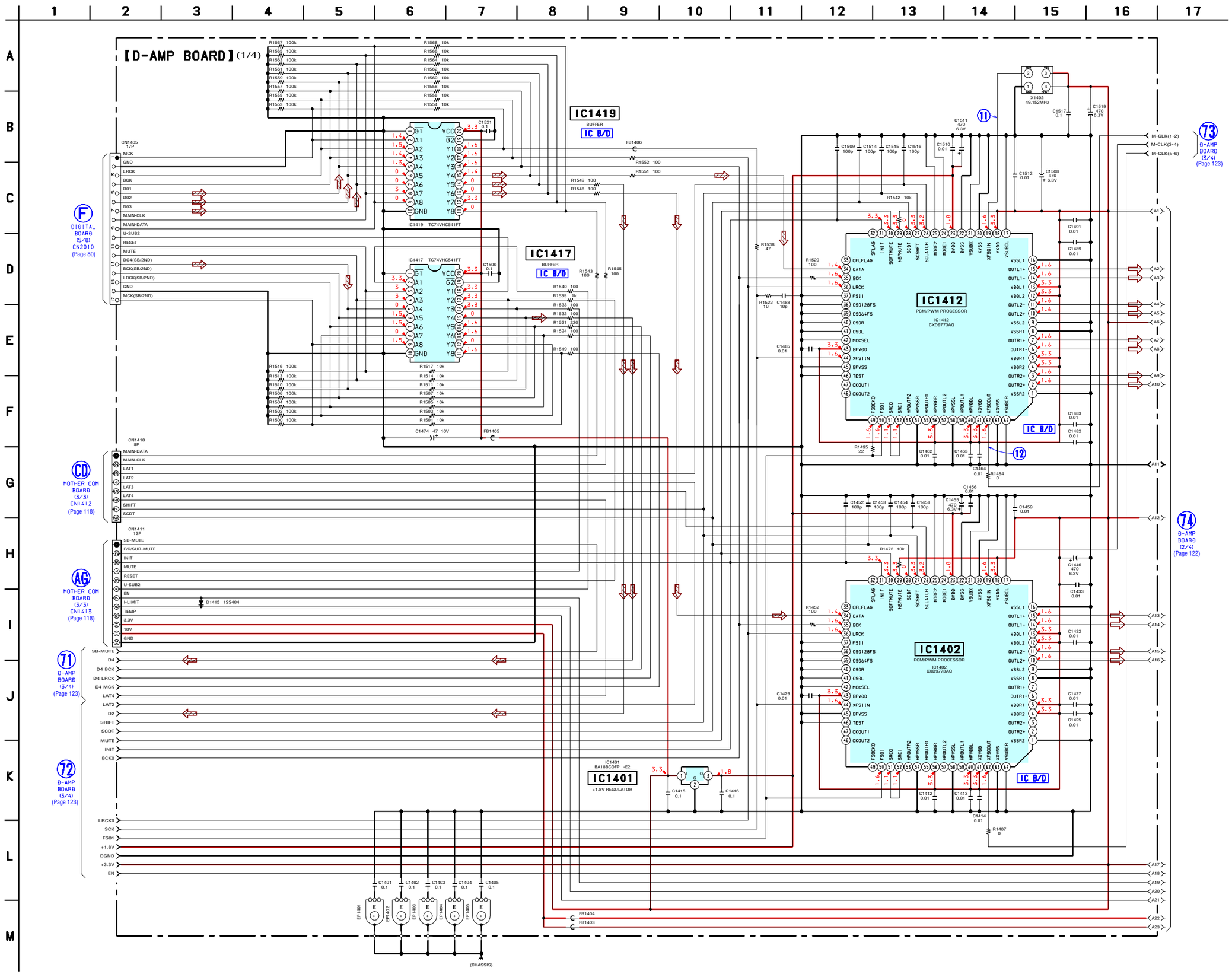


• Semiconductor Location

Ref. No.	Location
D1401	H-4
D1403	F-4
D1404	G-4
D1405	F-4
D1406	G-4
D1407	G-4
D1409	F-4
D1411	E-4
D1412	D-4
D1413	D-4
D1414	E-4
D1415	I-6
D1416	I-4
D1417	D-4
D1419	C-4
D1421	C-4
D1422	B-4
D1423	B-4
D1424	C-4
D1425	B-4
D1427	H-11
D1429	H-11
D1430	I-11
D1431	I-11
D1432	H-11
D1434	F-11
D1436	F-11
D1437	G-11
D1438	F-11
D1439	G-11
D1440	E-11
D1442	D-10
D1444	D-10
D1445	E-10
D1446	D-5
D1447	E-10
D1448	C-10
D1450	B-10
D1452	B-10
D1453	C-10
D1454	C-10
D1455	B-10
D1456	A-10
D1458	G-11
D1536	G-13
D1537	F-13
D1538	D-12
D1539	B-12
D1540	C-2
D1541	E-2
D1542	G-2
IC1401	H-6
Q1401	I-4
Q1404	G-3
Q1407	E-3
Q1410	C-3
Q1449	B-11
Q1452	D-11
Q1455	F-12
Q1458	H-12

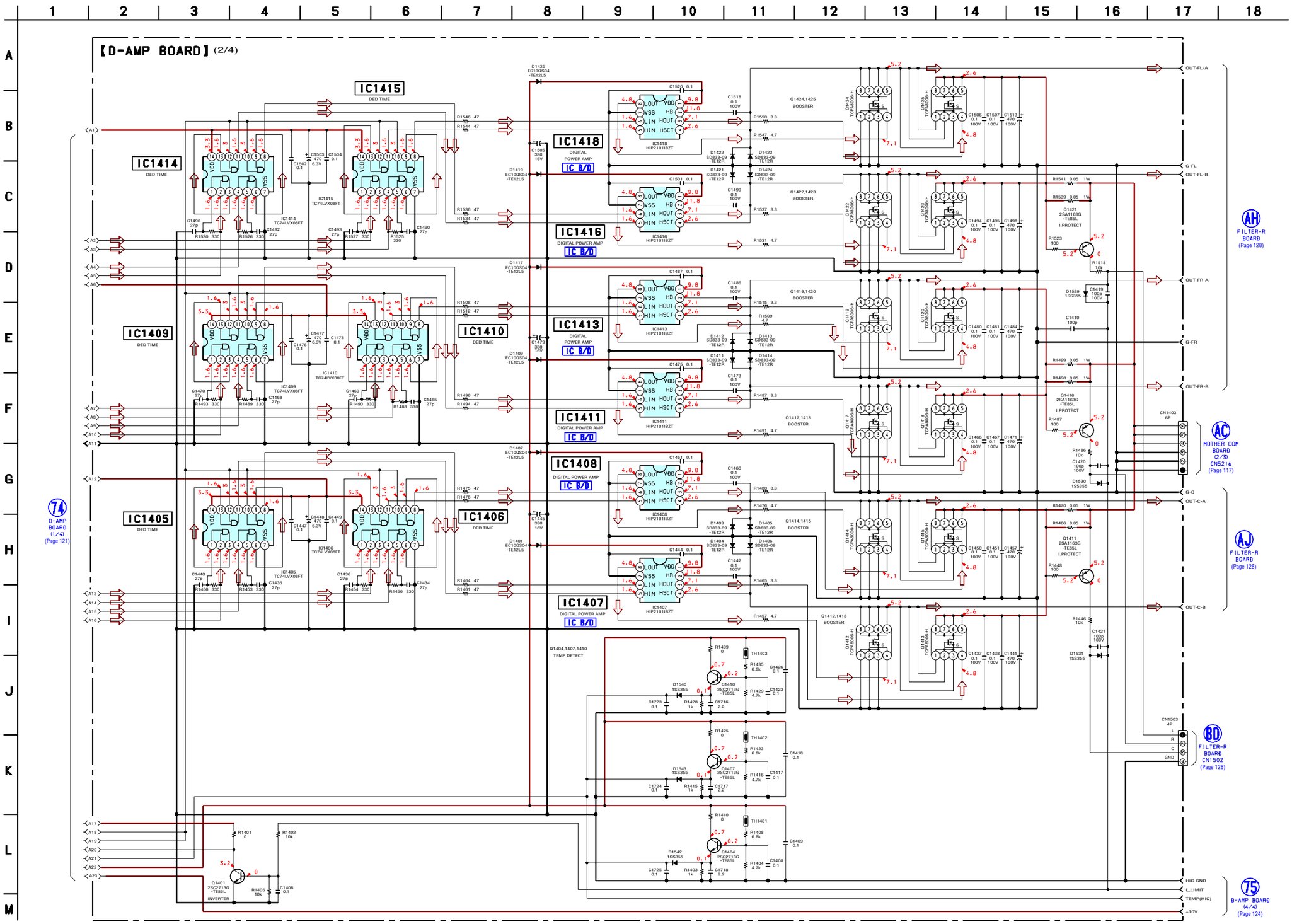
6-61. SCHEMATIC DIAGRAM – D-AMP BOARD (1/4) –

• See page 147 for waveforms. • See page 156 for IC Block Diagrams.



6-62. SCHEMATIC DIAGRAM – D-AMP BOARD (2/4) –

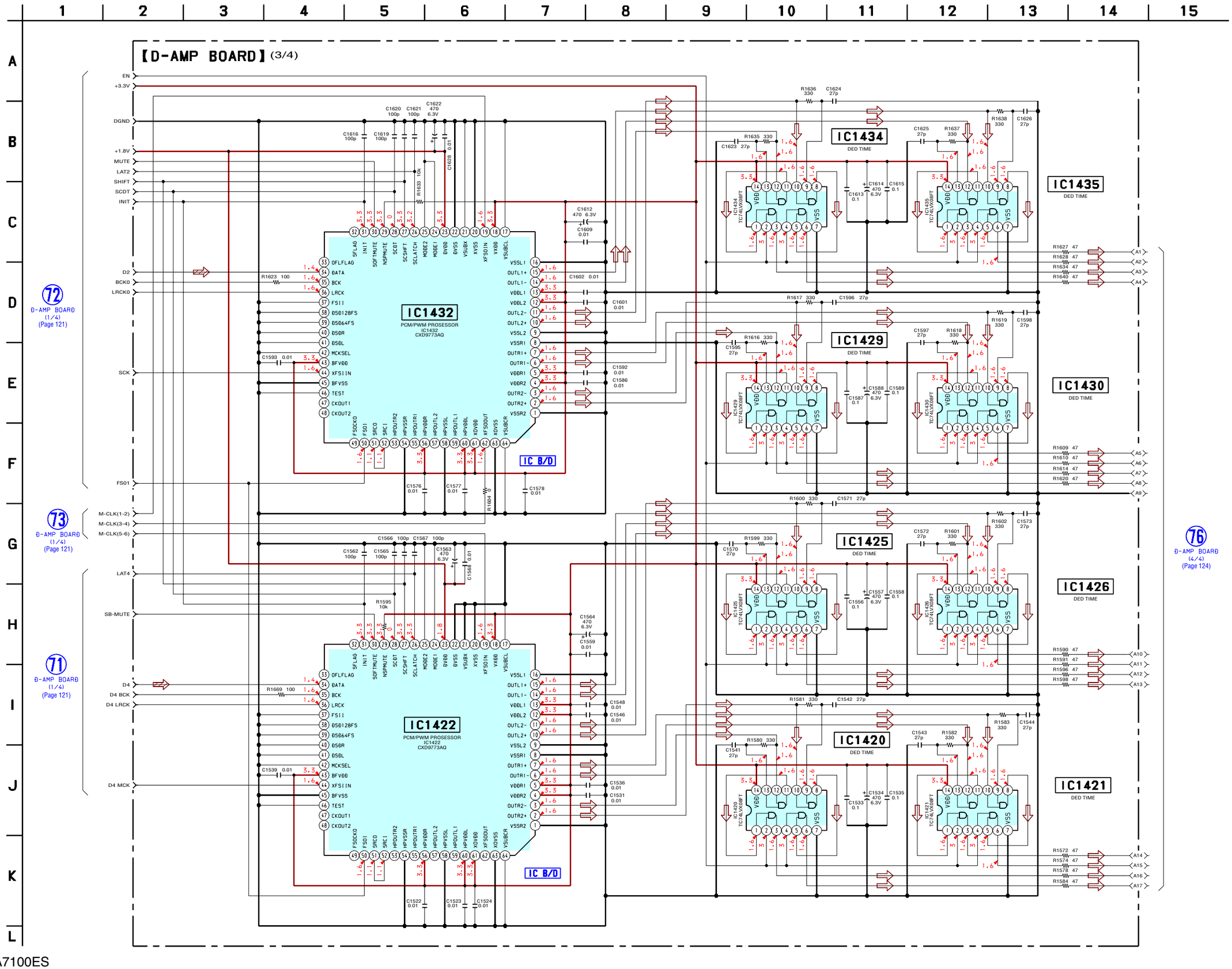
• See page 156 for IC Block Diagrams.



When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

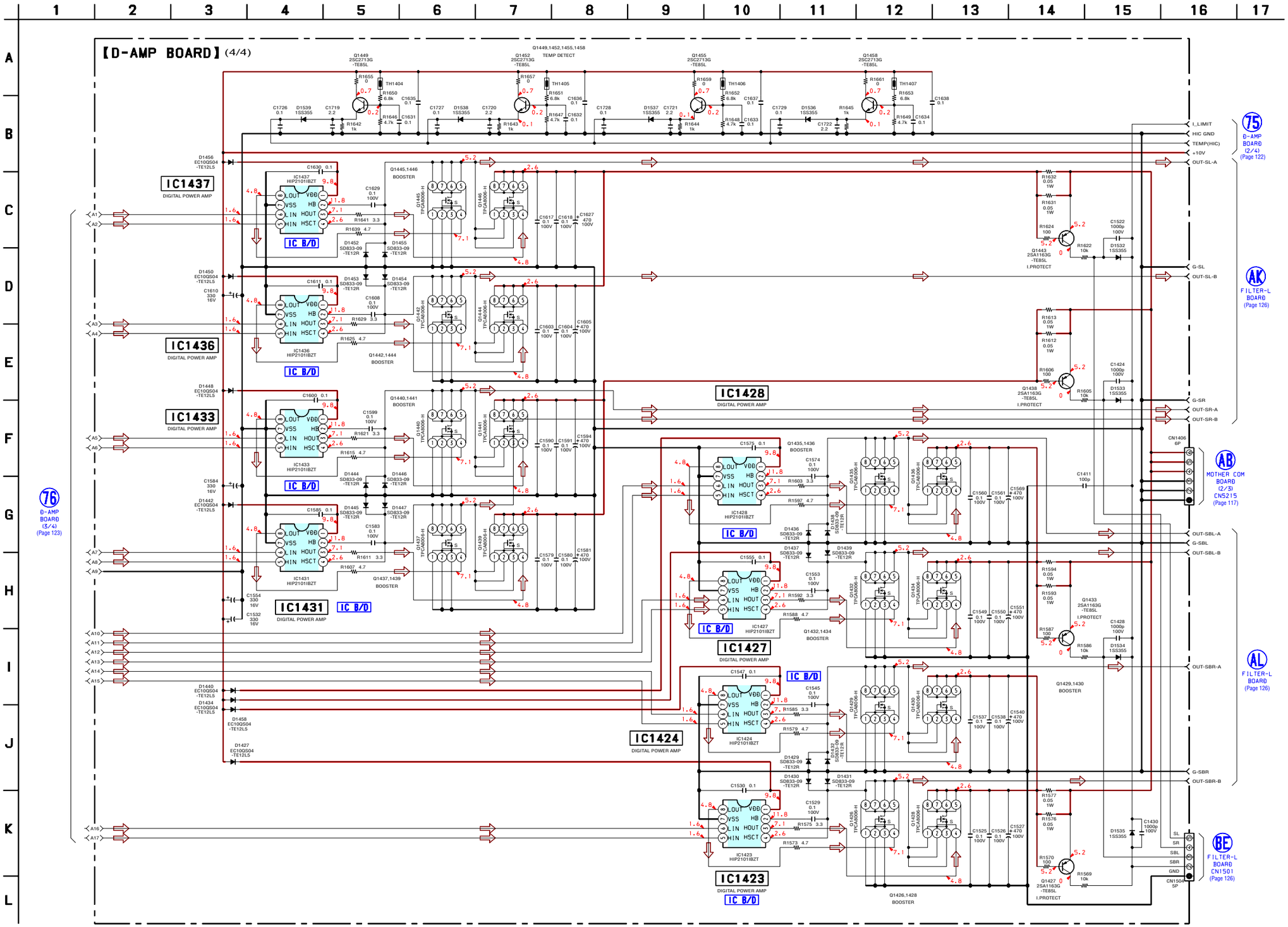
6-63. SCHEMATIC DIAGRAM – D-AMP BOARD (3/4) –

• See page 156 for IC Block Diagrams.



6-64. SCHEMATIC DIAGRAM – D-AMP BOARD (4/4) –

• See page 156 for IC Block Diagrams.



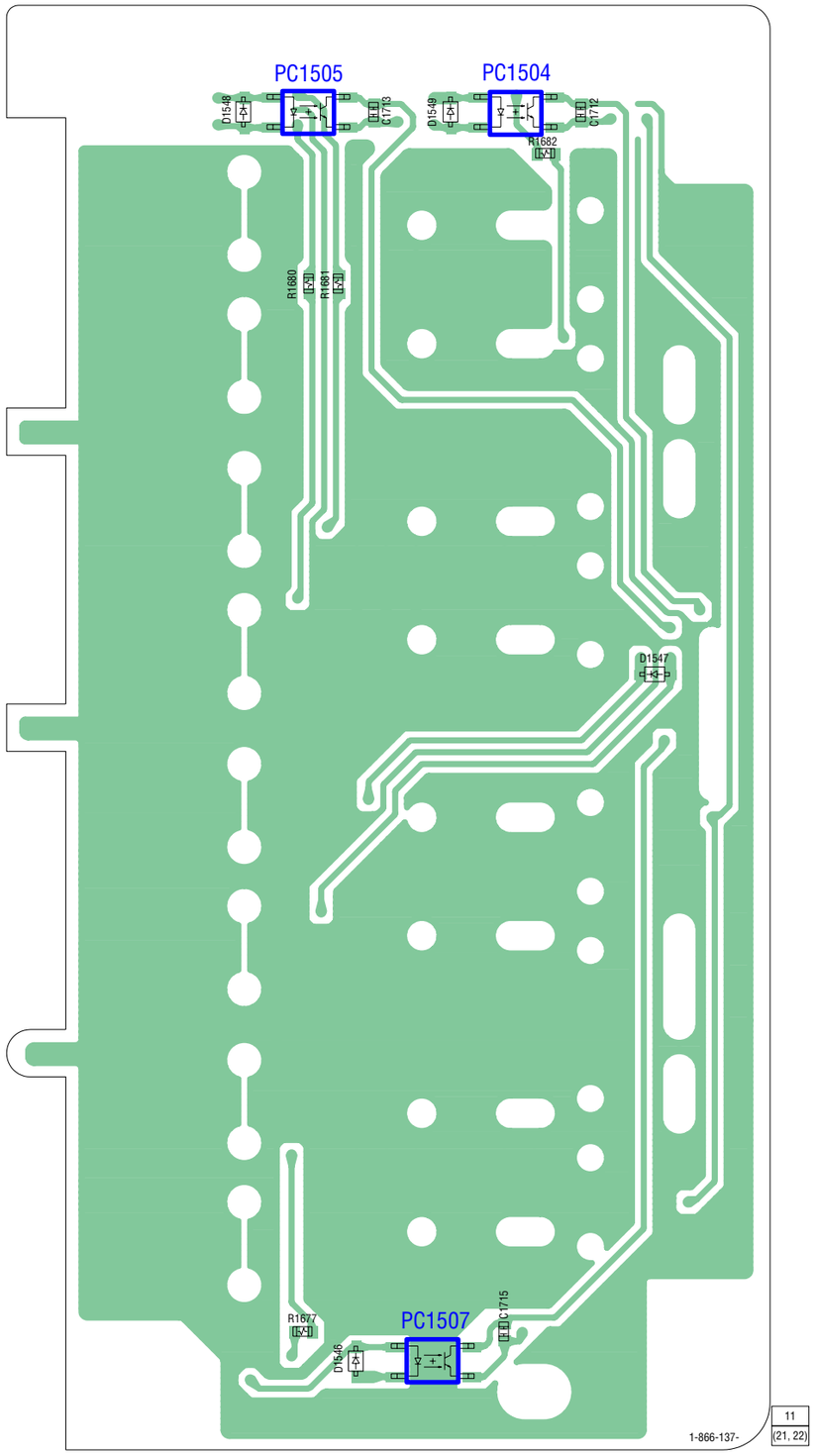
When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

6-65. PRINTED WIRING BOARD – FILTER-L BOARDS –

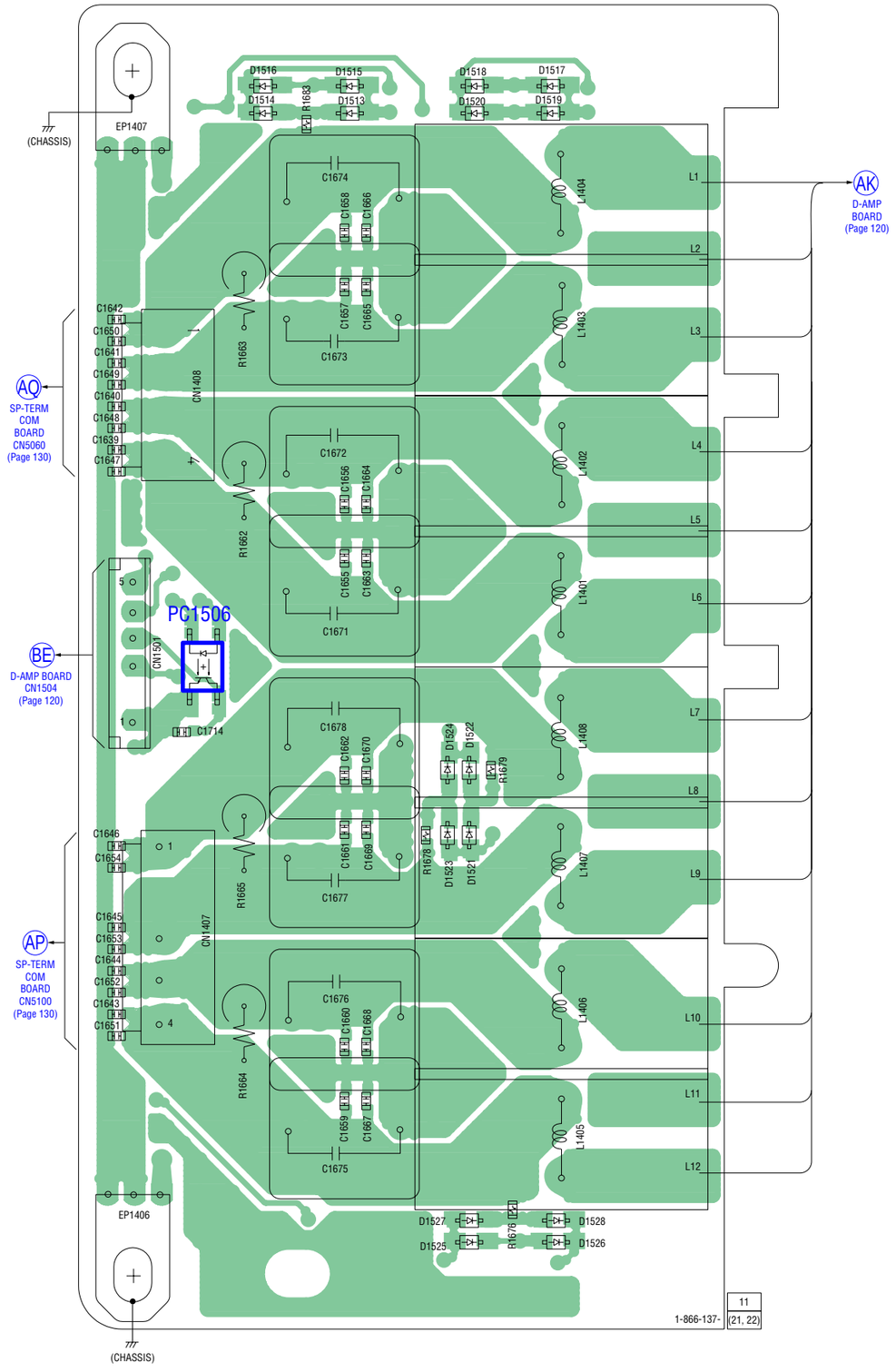
• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

【FILTER-L BOARD】(COMPONENT SIDE)



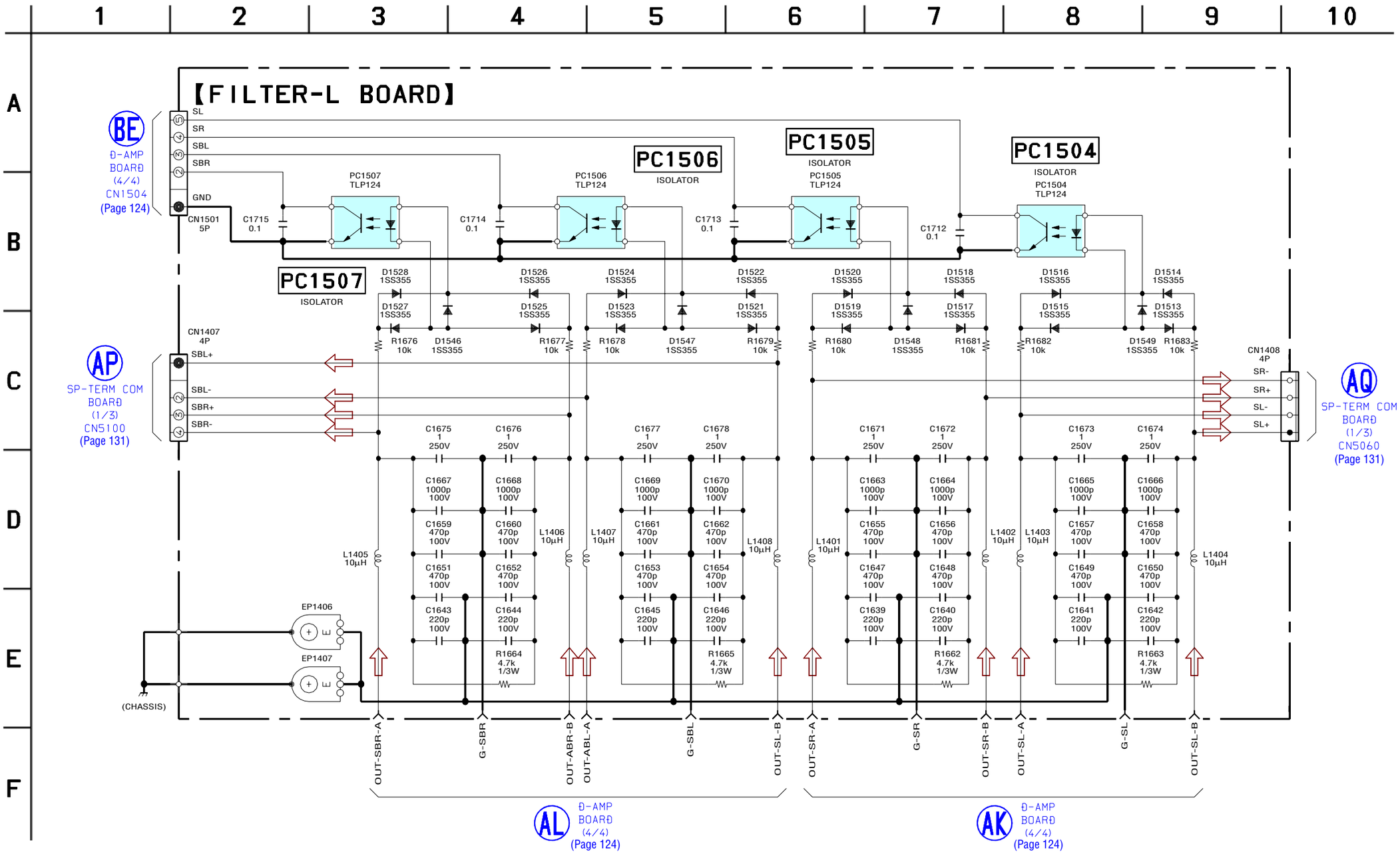
【FILTER-L BOARD】(CONDUCTOR SIDE)



- **Semiconductor Location**

Ref. No.	Location
D1513	B-7
D1514	B-7
D1515	A-7
D1516	A-7
D1517	A-9
D1518	A-8
D1519	B-9
D1520	B-8
D1521	F-8
D1522	E-8
D1523	F-8
D1524	E-8
D1525	H-8
D1526	H-9
D1527	H-8
D1528	H-9
D1546	H-3
D1547	D-4
D1548	B-2
D1549	B-3
PC1504	B-3
PC1505	B-2
PC1506	E-7
PC1507	H-3

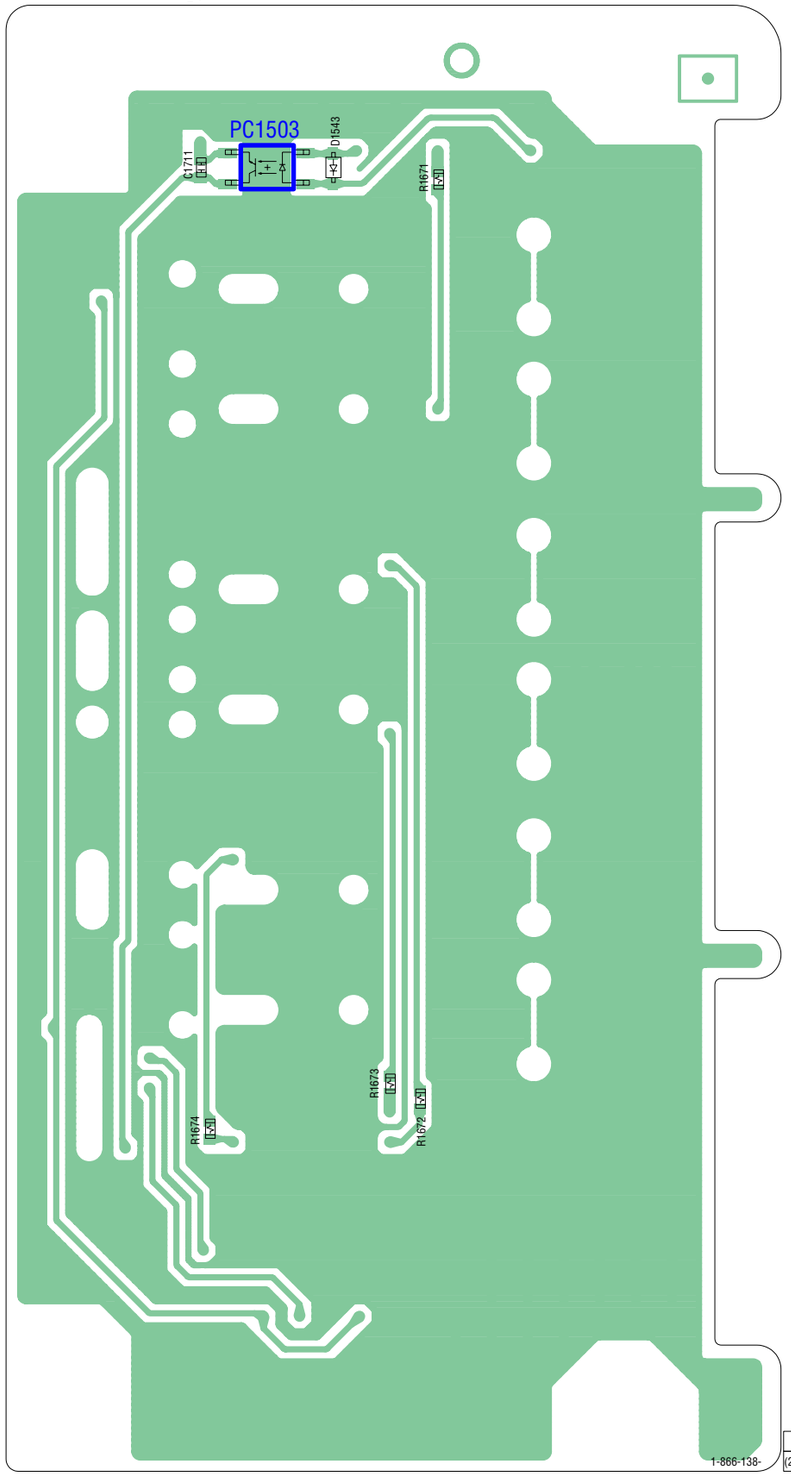
6-66. SCHEMATIC DIAGRAM – FILTER-L BOARD –



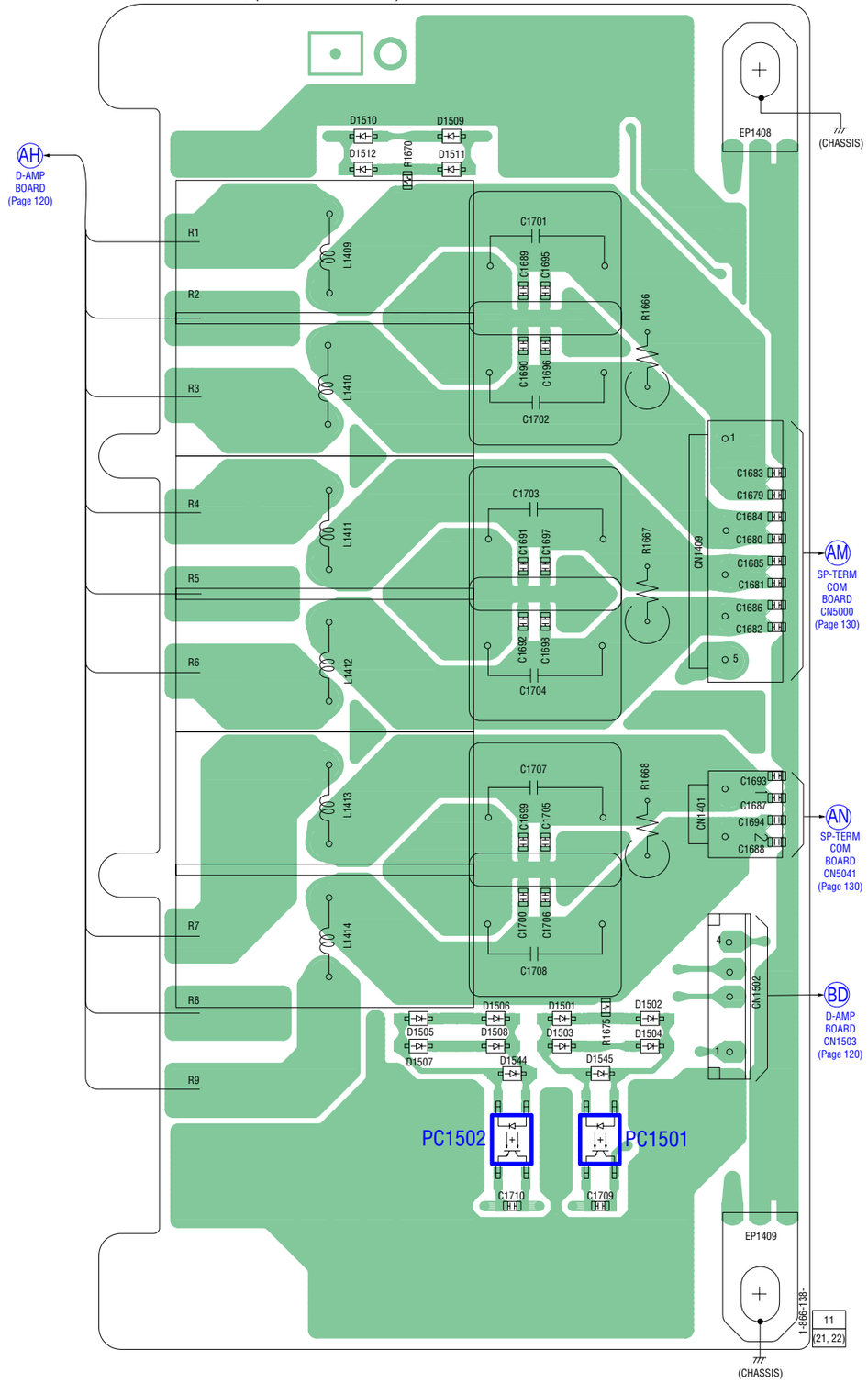
6-67. PRINTED WIRING BOARD – FILTER-R BOARDS –

• See page 112 for Circuit Boards Location. : Uses unleaded solder.

【FILTER-R BOARD】(COMPONENT SIDE)



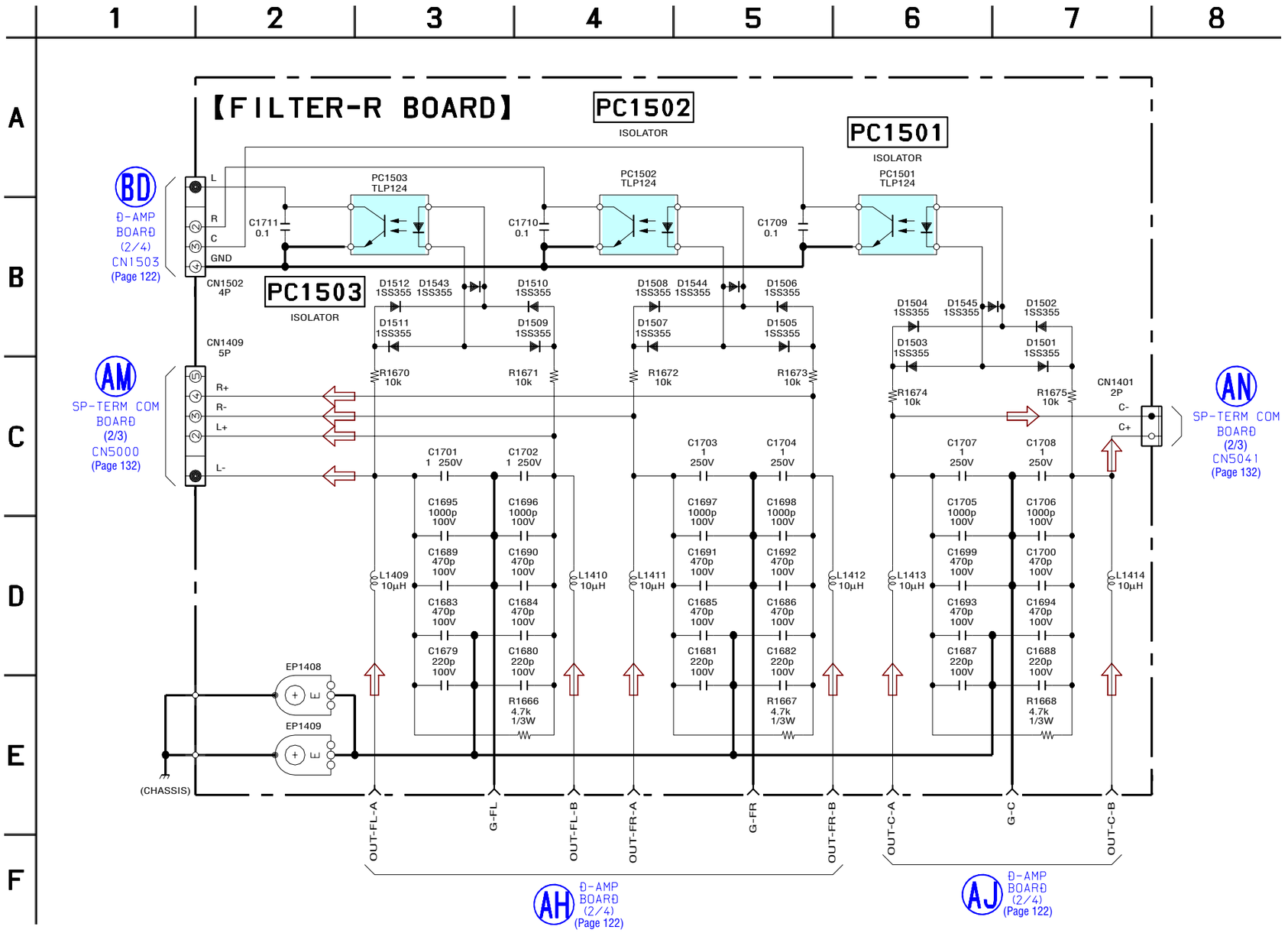
【FILTER-R BOARD】(CONDUCTOR SIDE)



• **Semiconductor Location**

Ref. No.	Location
D1501	F-8
D1502	F-9
D1503	G-8
D1504	G-9
D1505	F-8
D1506	F-8
D1507	G-8
D1508	G-8
D1509	B-8
D1510	B-7
D1511	B-8
D1512	B-7
D1543	B-2
D1544	G-8
D1545	G-9
PC1501	G-9
PC1502	G-8
PC1503	B-2

6-68. SCHEMATIC DIAGRAM – FILTER-R BOARD –

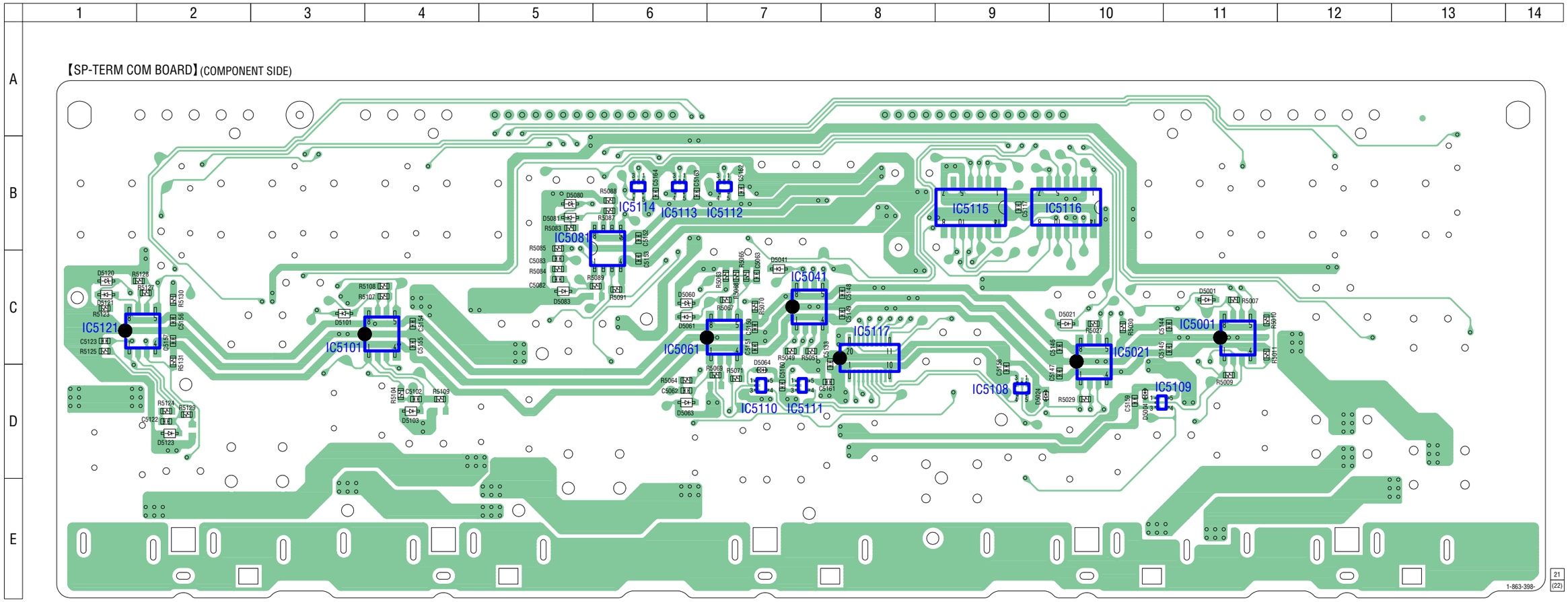


6-69. PRINTED WIRING BOARD – SP-TERM COM BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

【SP-TERM COM BOARD】(COMPONENT SIDE)



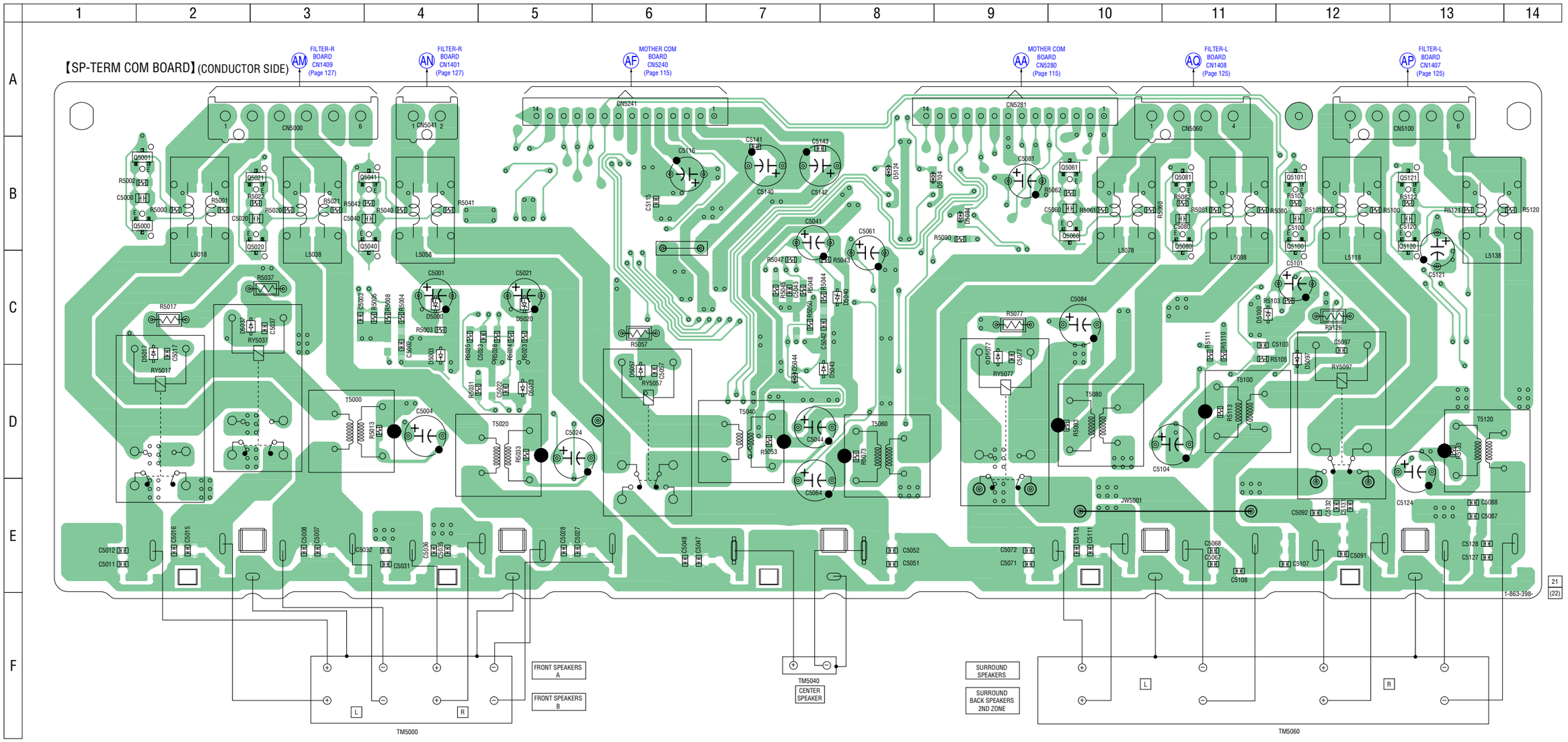
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D5001	C-11	IC5001	C-11
D5004	D-10	IC5021	C-10
D5021	C-10	IC5041	C-7
D5024	D-9	IC5061	C-7
D5041	C-7	IC5081	B-6
D5060	C-6	IC5101	C-4
D5061	C-6	IC5108	D-9
D5063	D-6	IC5109	D-10
D5064	D-7	IC5110	D-7
D5080	B-5	IC5111	D-7
D5081	B-5	IC5112	B-7
D5083	C-5	IC5113	B-6
D5101	C-3	IC5114	B-6
D5103	D-4	IC5115	B-9
D5120	C-1	IC5116	B-10
D5121	C-1	IC5117	C-8
D5123	D-2	IC5121	C-2

6-70. PRINTED WIRING BOARD – SP-TERM COM BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

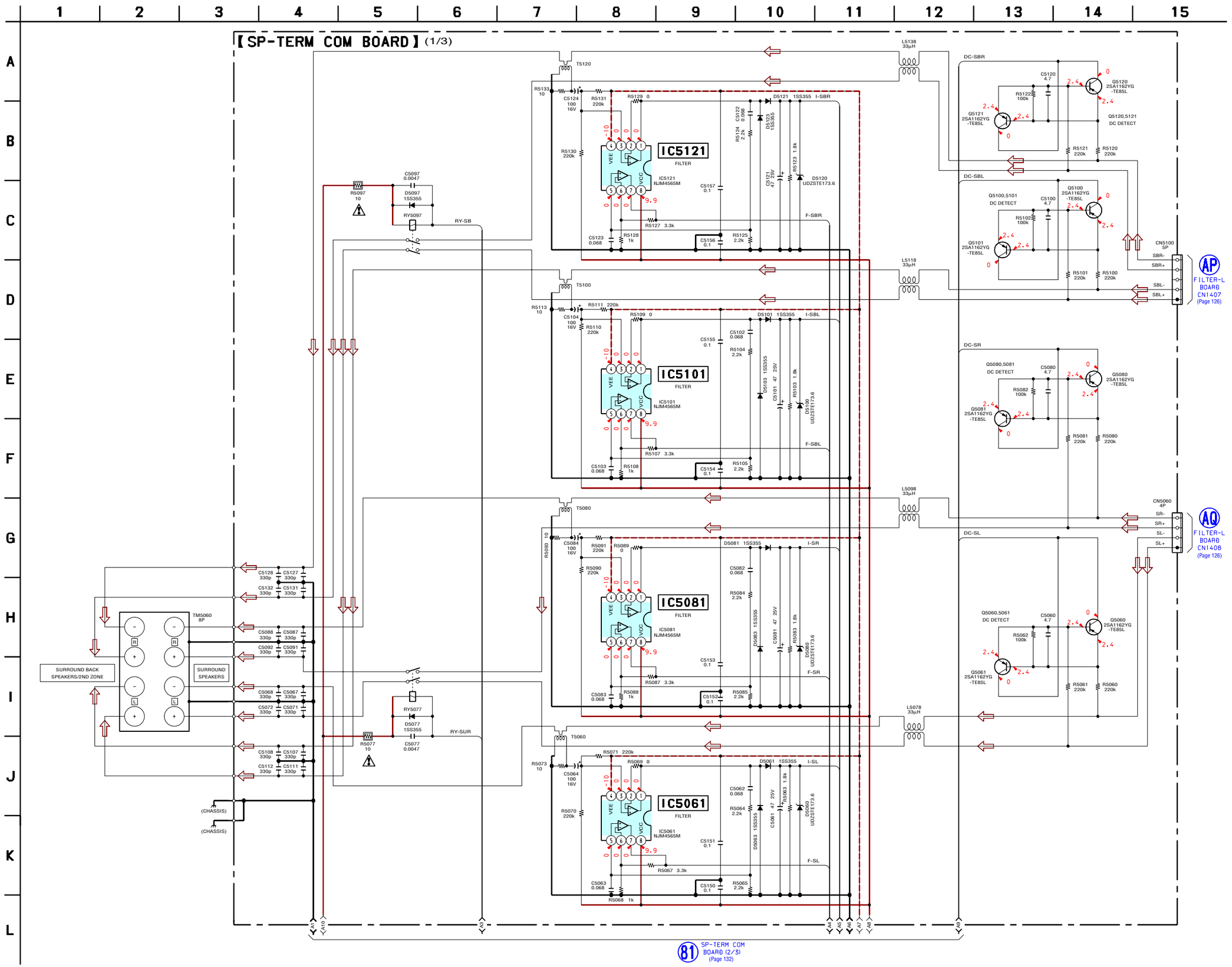
: Uses unleaded solder.



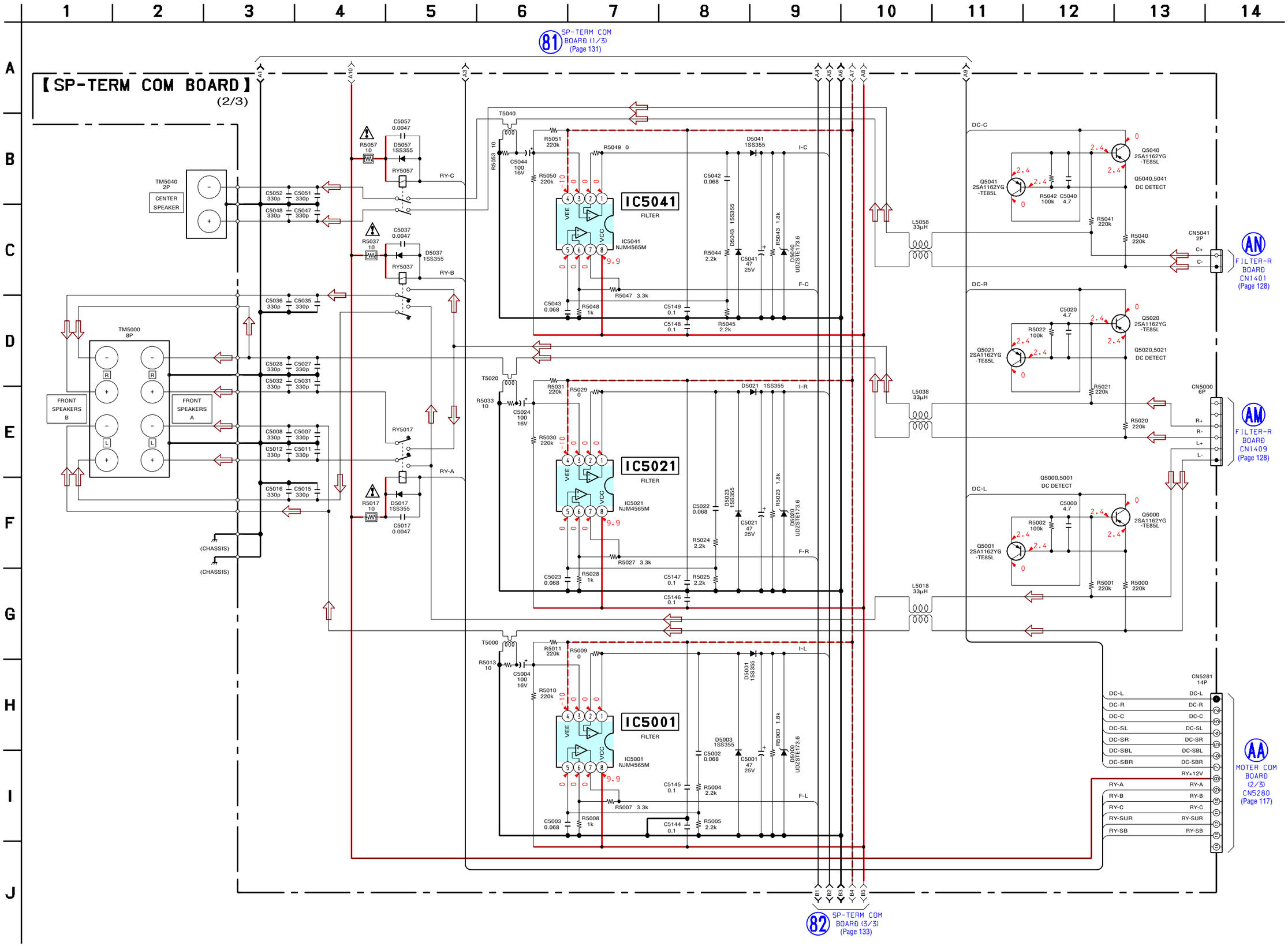
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D5000	C-4	Q5000	B-2
D5003	C-4	Q5001	B-2
D5017	C-2	Q5020	B-3
D5020	C-5	Q5021	B-3
D5023	D-5	Q5040	B-4
D5037	C-3	Q5041	B-4
D5040	C-8	Q5060	B-10
D5043	D-8	Q5061	B-10
D5044	D-7	Q5080	B-11
D5057	D-6	Q5081	B-11
D5077	C-9	Q5100	B-12
D5084	B-9	Q5101	B-12
D5097	C-12	Q5120	B-13
D5100	C-11	Q5121	B-13
D5104	B-8		
D5124	B-8		

6-71. SCHEMATIC DIAGRAM – SP-TERM COM BOARD (1/3) –

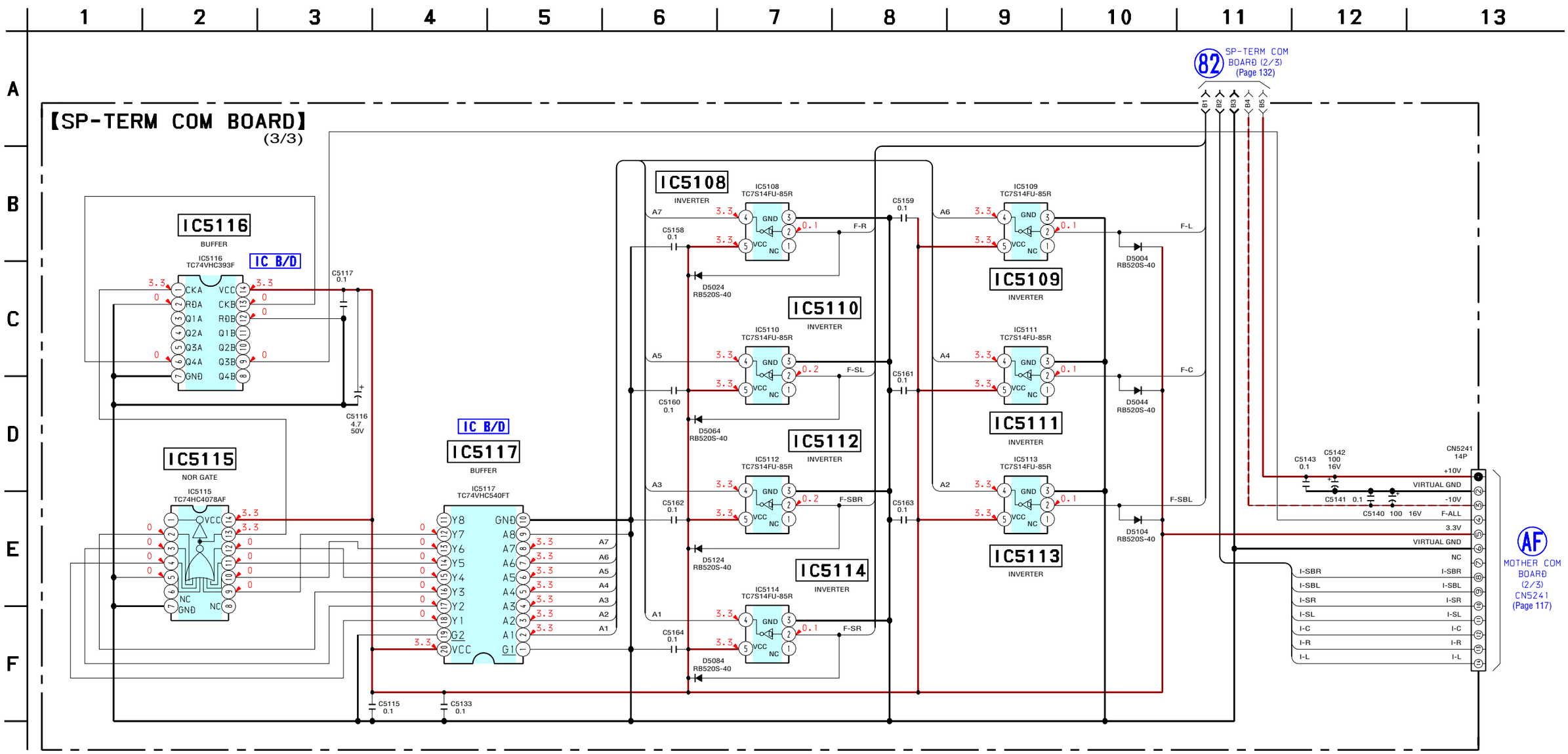


6-72. SCHEMATIC DIAGRAM – SP-TERM COM BOARD (2/3) –



6-73. SCHEMATIC DIAGRAM – SP-TERM COM BOARD (3/3) –

• See page 164 for IC Block Diagrams.

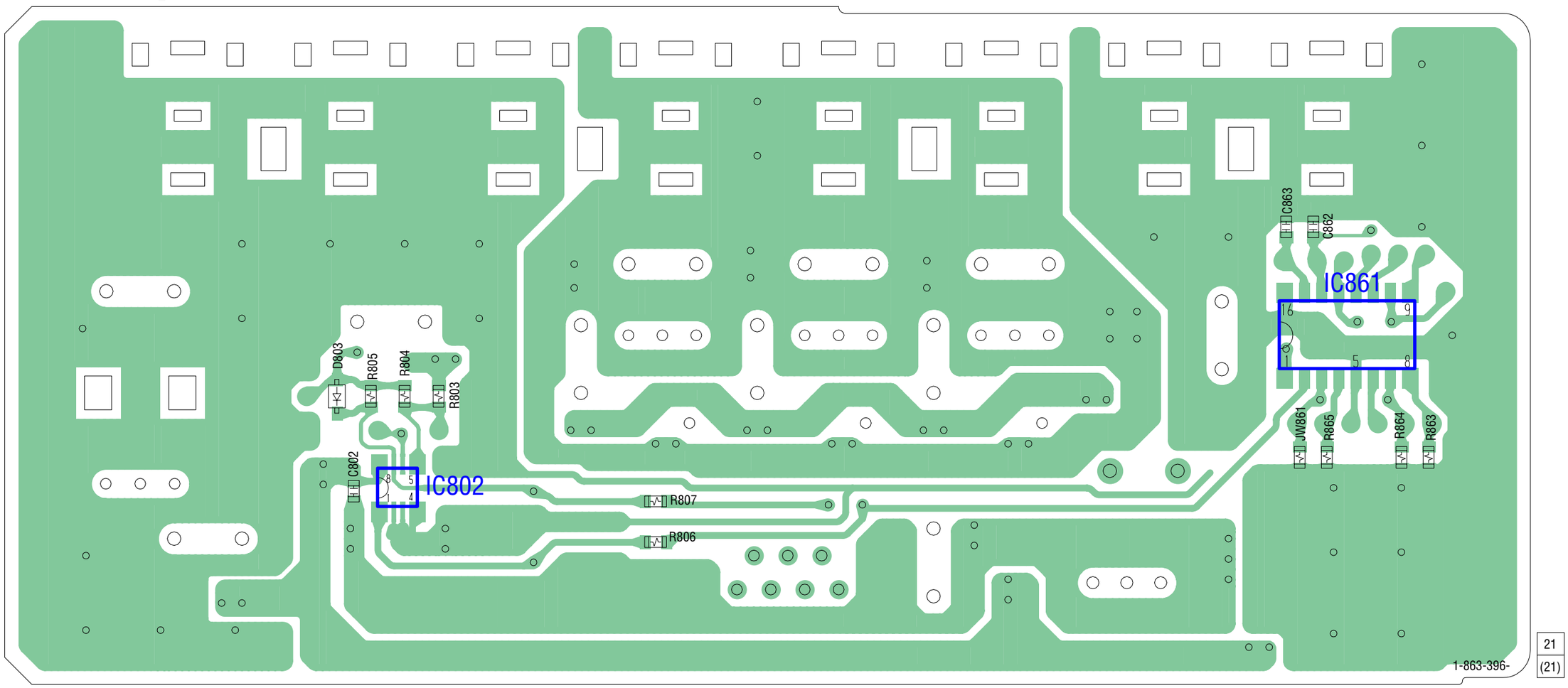


6-74. PRINTED WIRING BOARD – CIS BOARD (COMPONENT SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

【CIS BOARD】(COMPONENT SIDE)



21
(21)

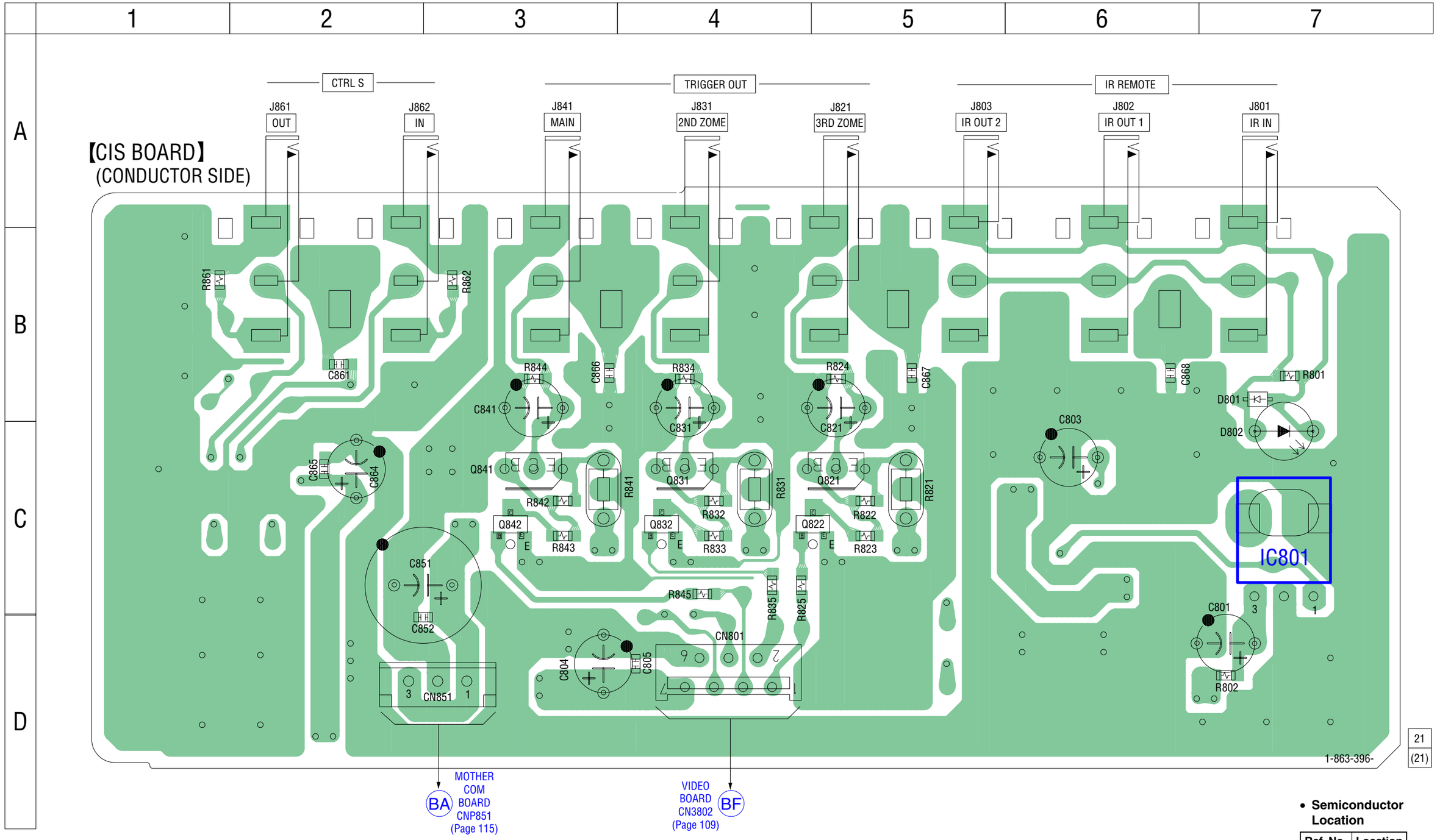
• **Semiconductor Location**

Ref. No.	Location
D803	C-2
IC802	C-2
IC861	C-7

6-75. PRINTED WIRING BOARD – CIS BOARD (CONDUCTOR SIDE) –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

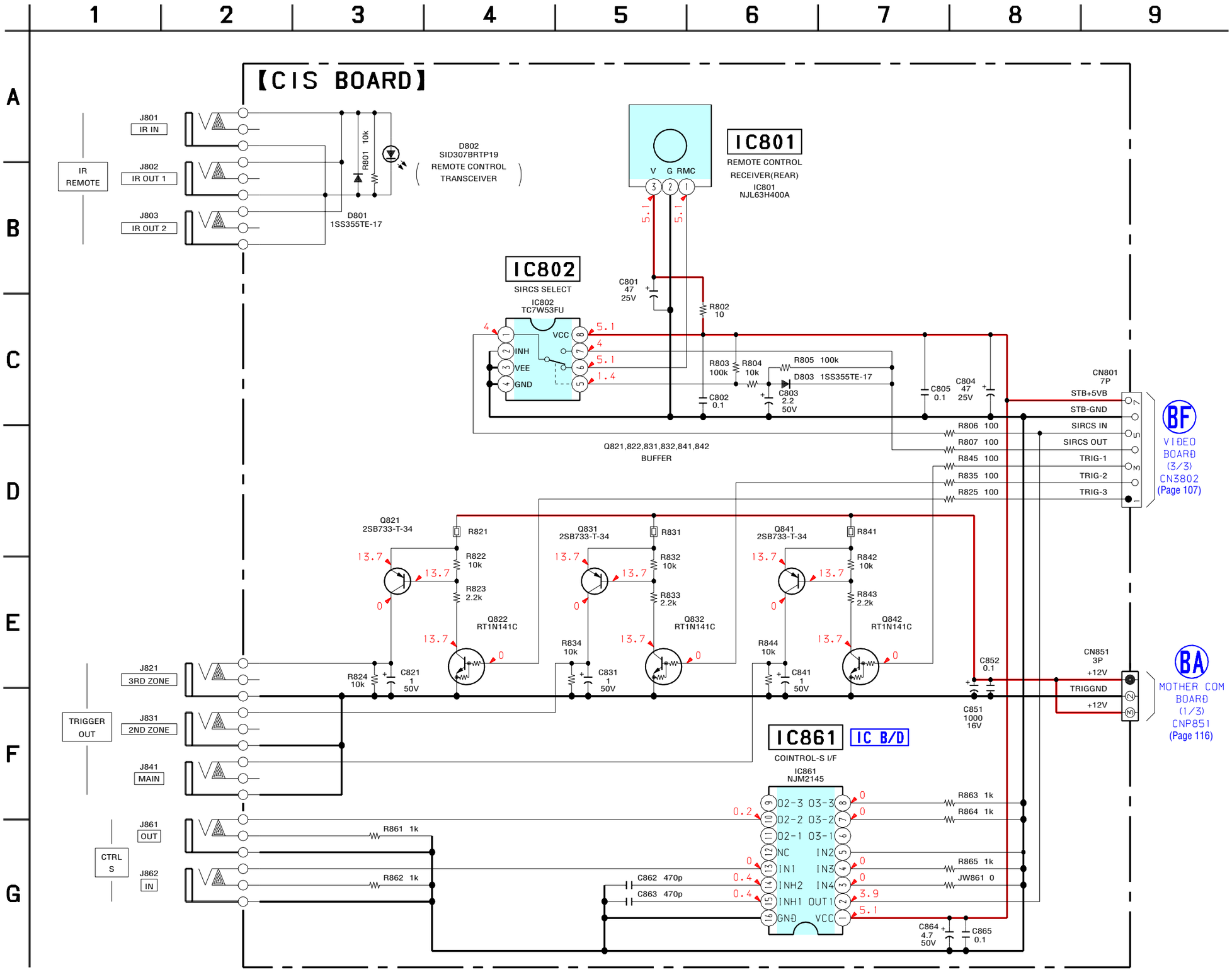


• **Semiconductor Location**

Ref. No.	Location
D801	B-7
D802	C-7
IC801	C-7
Q821	C-5
Q822	C-5
Q831	C-4
Q832	C-4
Q841	C-3
Q842	C-3

6-76. SCHEMATIC DIAGRAM – CIS BOARD –

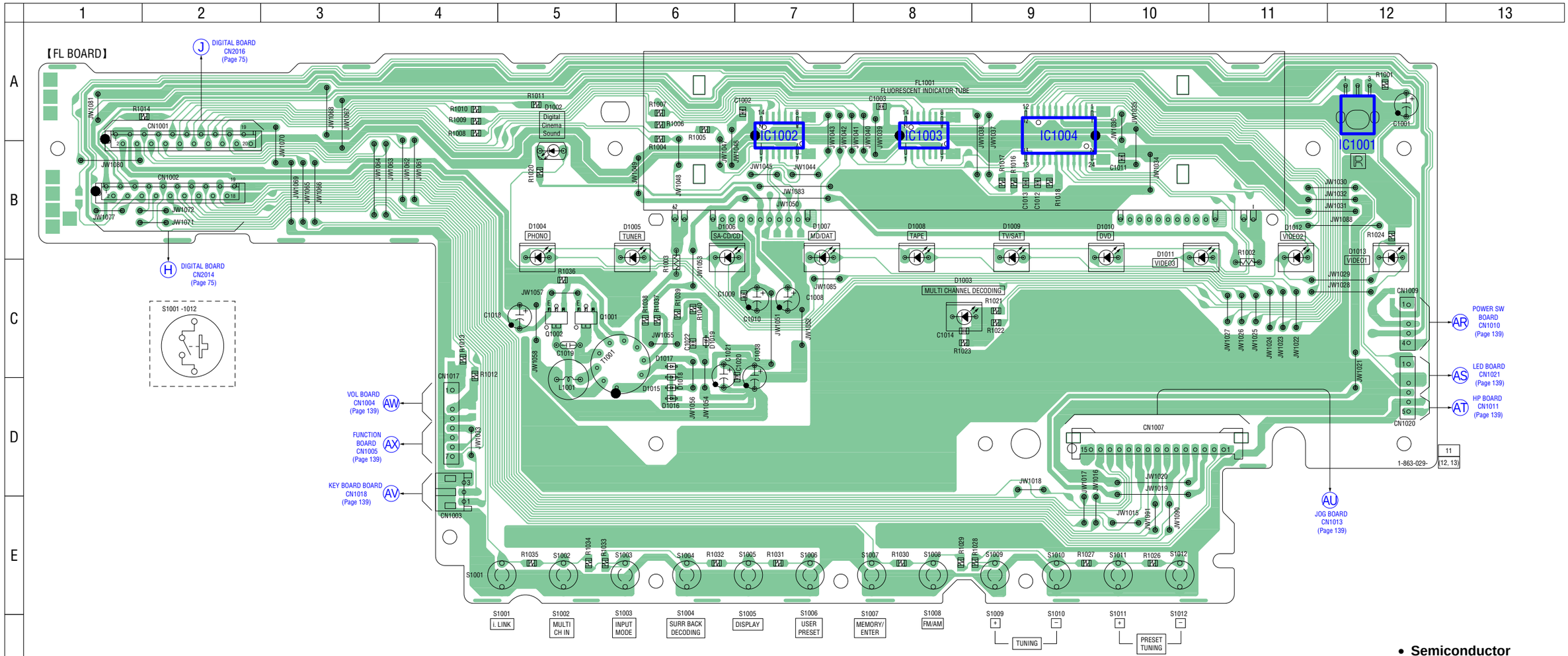
• See page 162 for IC Block Diagrams.



6-77. PRINTED WIRING BOARD – FL BOARD –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

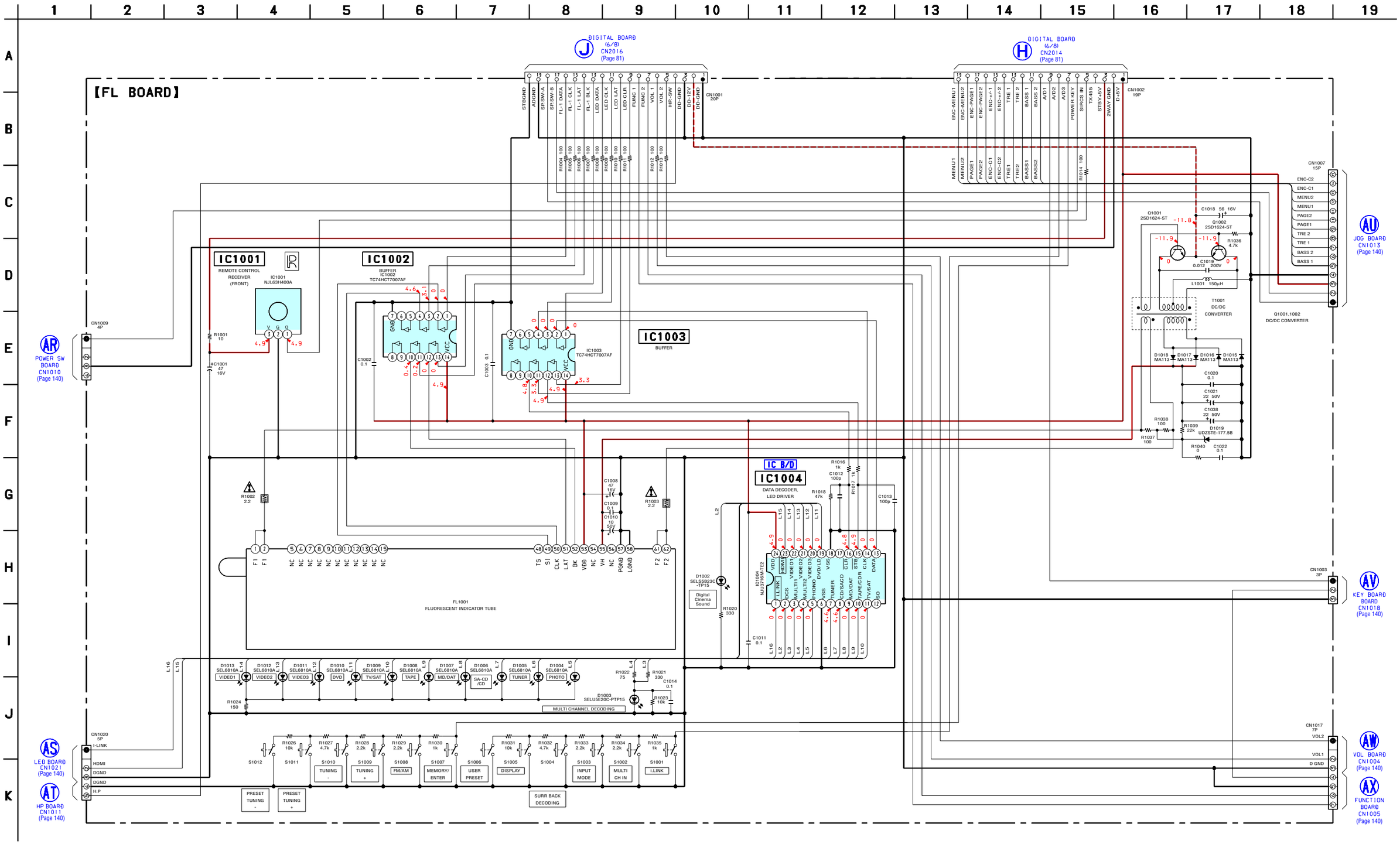


- **Semiconductor Location**

Ref. No.	Location
D1002	B-5
D1003	C-8
D1004	B-5
D1005	B-6
D1006	B-6
D1007	B-7
D1008	B-8
D1009	B-9
D1010	B-10
D1011	B-10
D1012	B-11
D1013	B-12
D1015	D-6
D1016	D-6
D1017	C-6
D1018	D-6
D1019	C-6
IC1001	A-12
IC1002	A-7
IC1003	A-8
IC1004	A-9
Q1001	C-5
Q1002	C-5

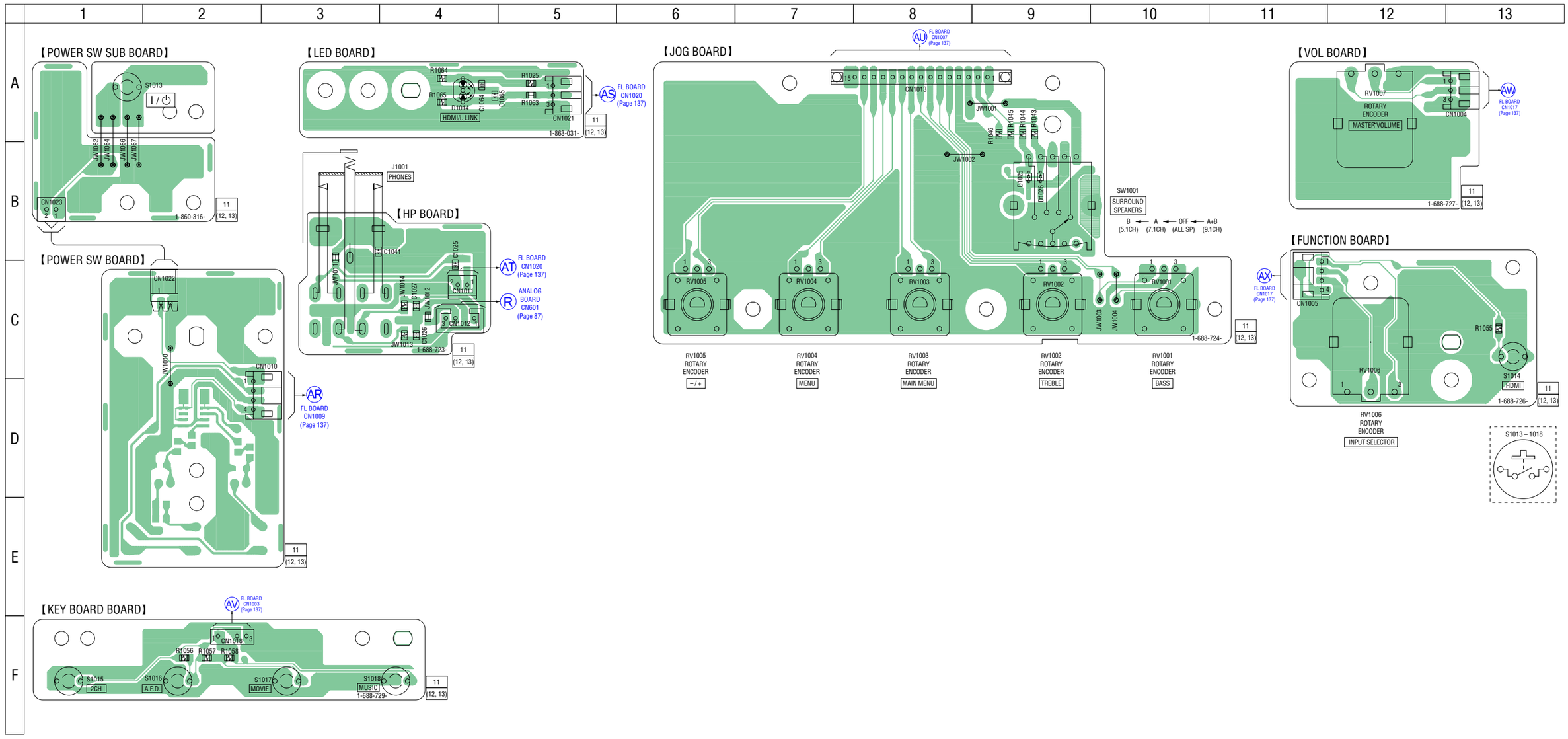
6-78. SCHEMATIC DIAGRAM – FL BOARD –

• See page 163 for IC Block Diagrams.



6-79. PRINTED WIRING BOARD – PANEL SECTION –

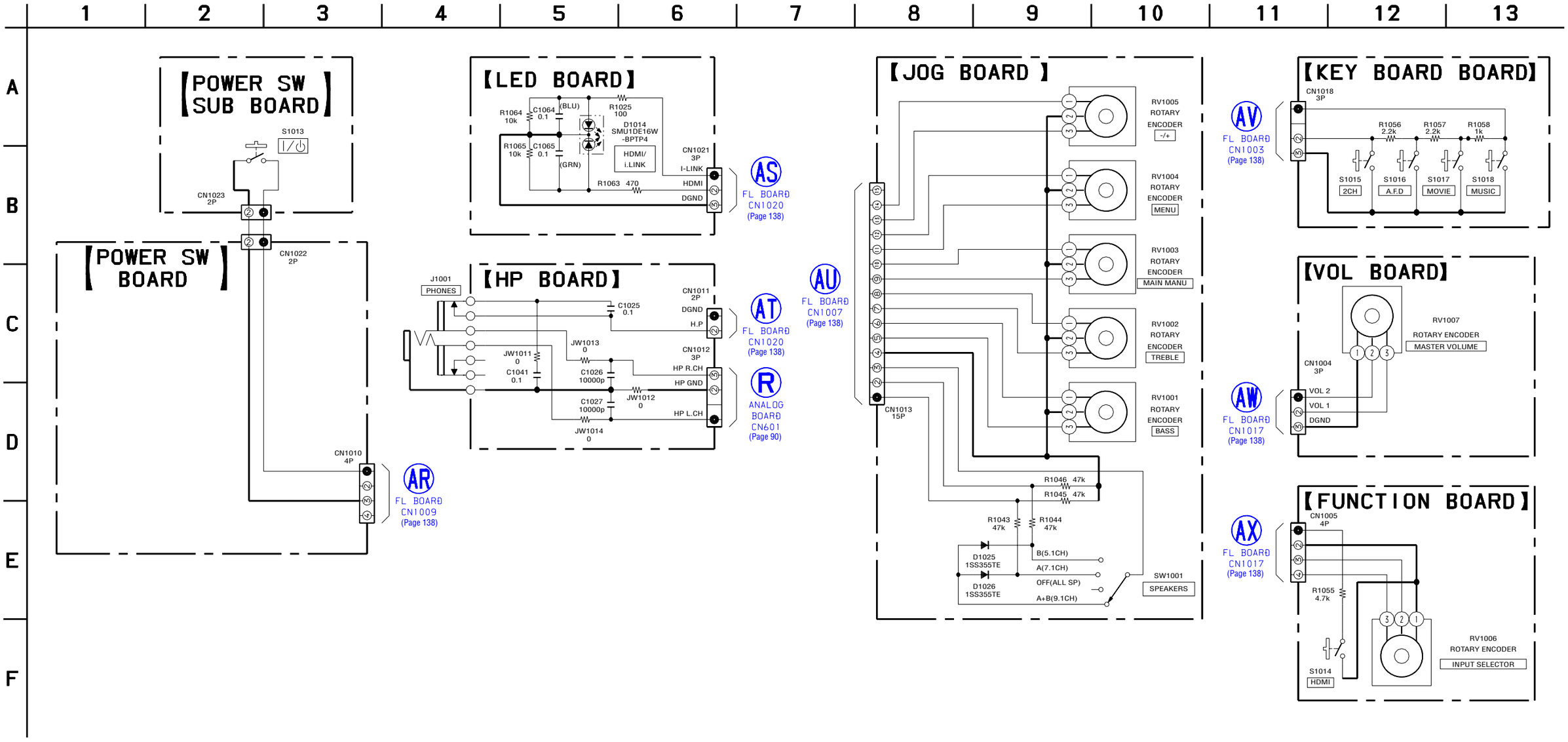
• See page 112 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

Ref. No.	Location
D1014	A-4
D1025	B-9
D1026	B-9

6-80. SCHEMATIC DIAGRAM – PANEL SECTION –

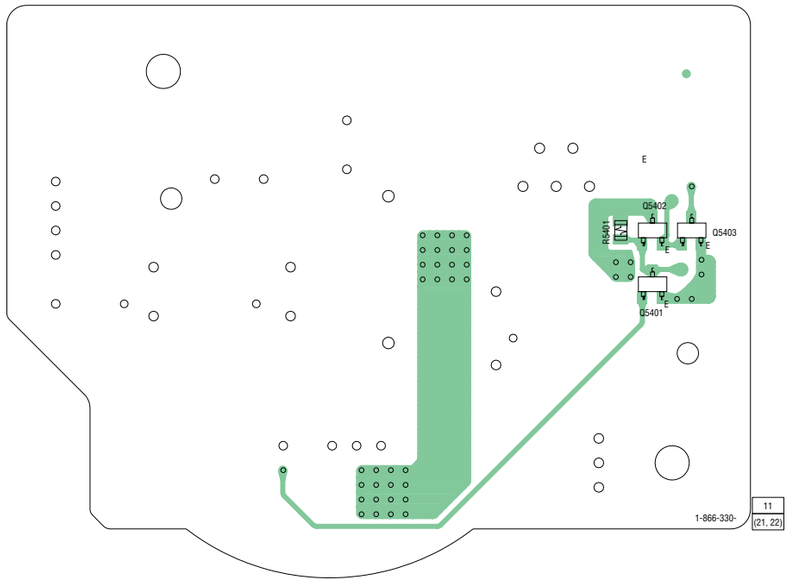


6-81. PRINTED WIRING BOARD – REGULATOR SECTIONS –

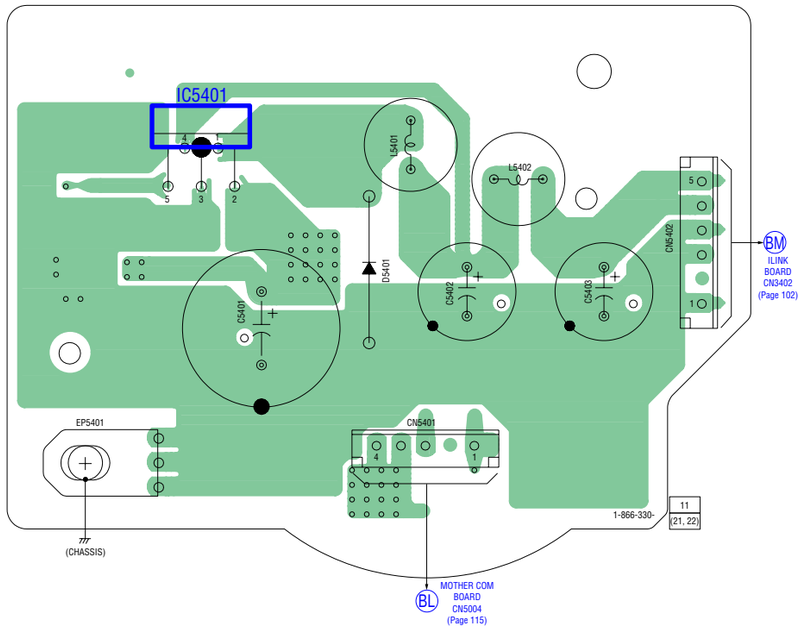
• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

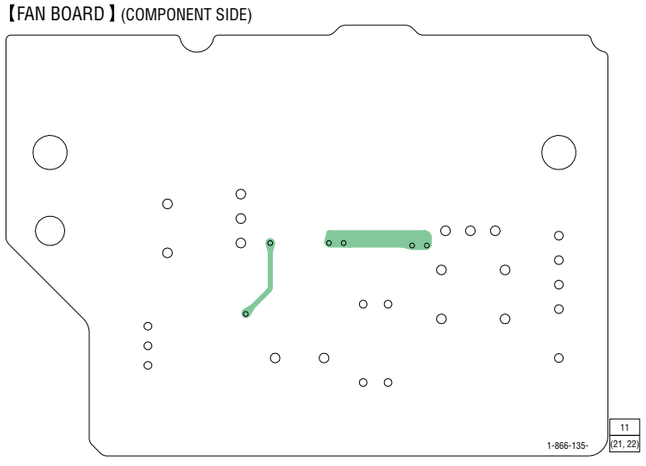
【HDMI POWER BOARD】(COMPONENT SIDE)



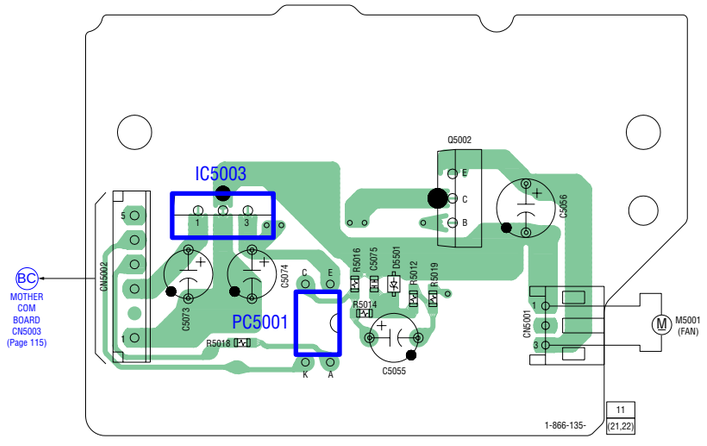
【HDMI POWER BOARD】(CONDUCTOR SIDE)



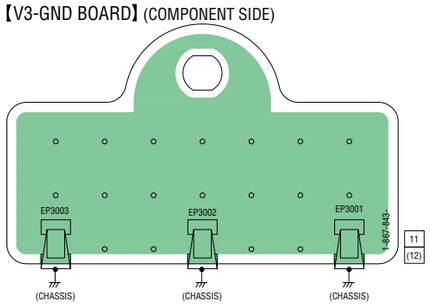
【FAN BOARD】(COMPONENT SIDE)



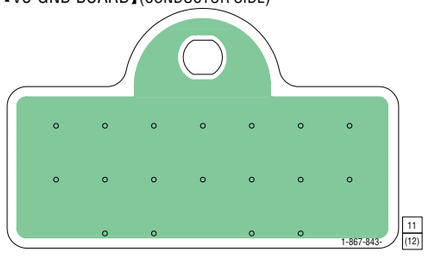
【FAN BOARD】(CONDUCTOR SIDE)



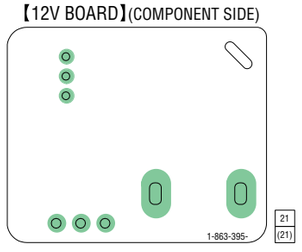
【V3-GND BOARD】(COMPONENT SIDE)



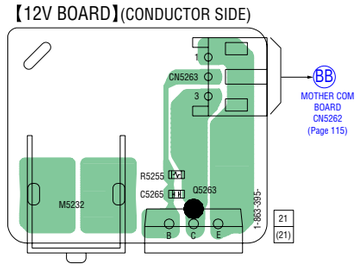
【V3-GND BOARD】(CONDUCTOR SIDE)



【12V BOARD】(COMPONENT SIDE)



【12V BOARD】(CONDUCTOR SIDE)

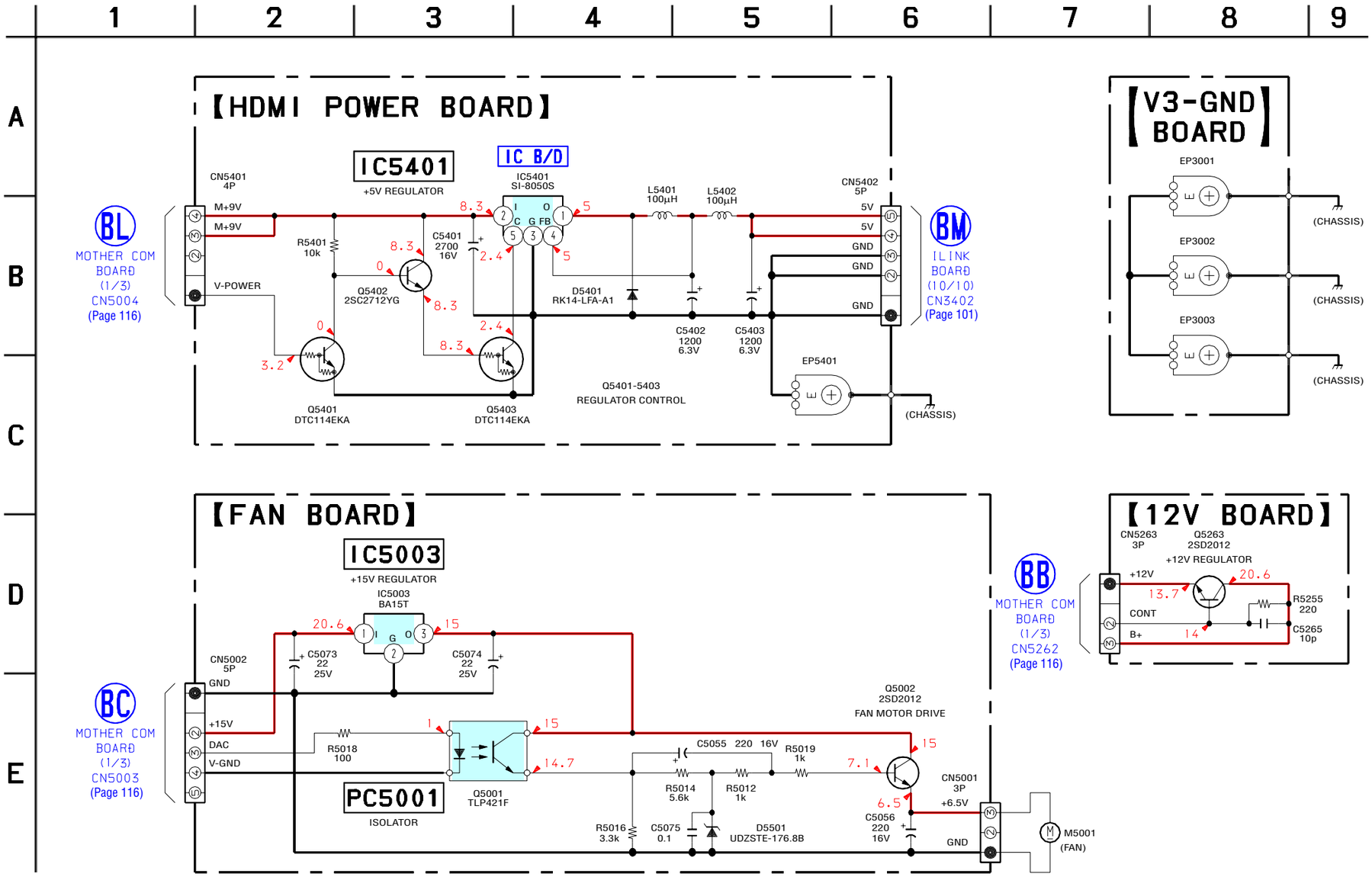


- **Semiconductor Location**

Ref. No.	Location
D5401	C-8
D5501	G-8
IC5003	F-6
IC5401	B-7
PC5001	G-7
Q5002	F-8
Q5263	I-11
Q5401	C-5
Q5402	B-5
Q5403	B-5

6-82. SCHEMATIC DIAGRAM – REGULATOR SECTIONS –

• See page 164 for IC Block Diagrams.

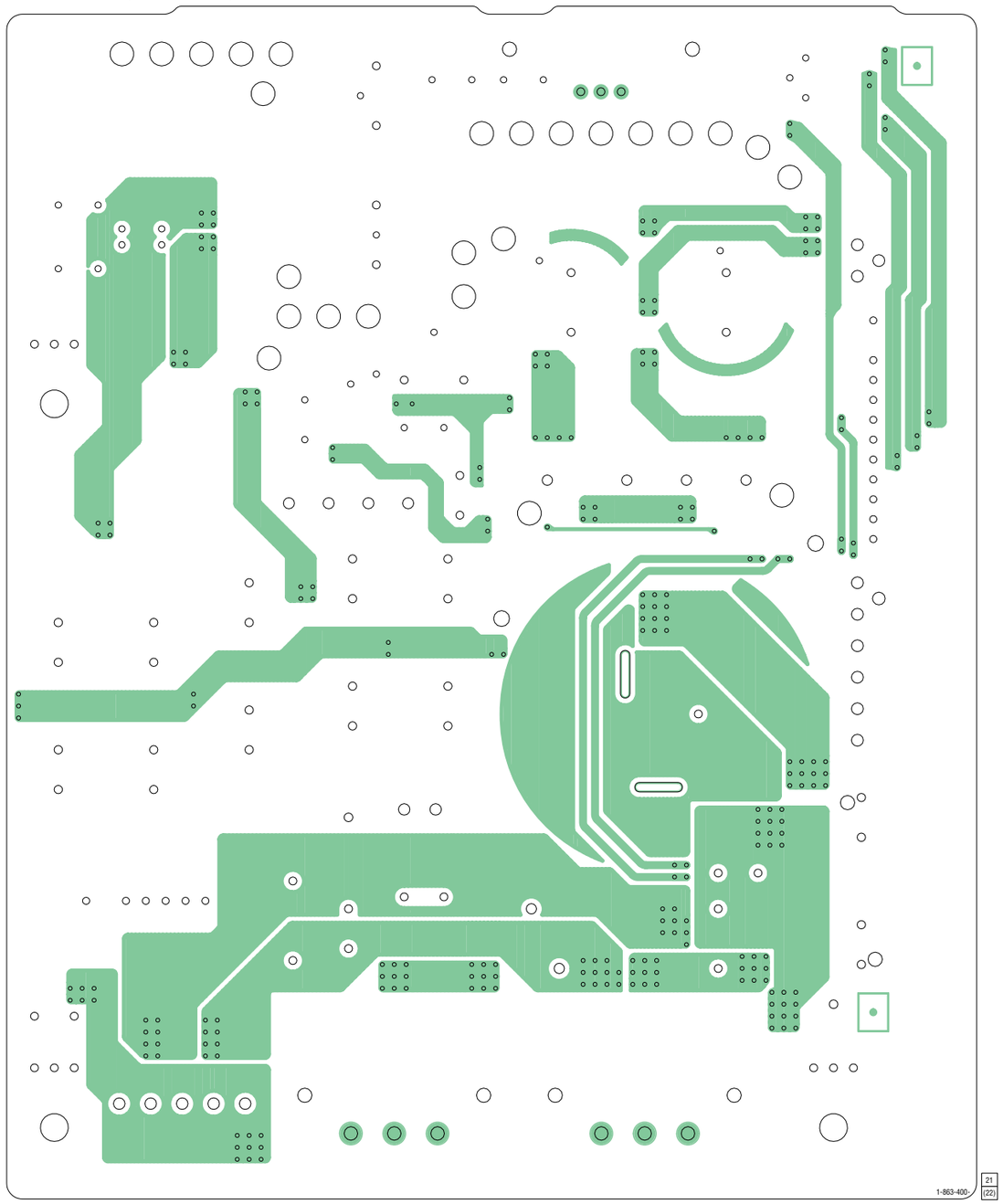


6-83. PRINTED WIRING BOARD – DC DIF BOARDS –

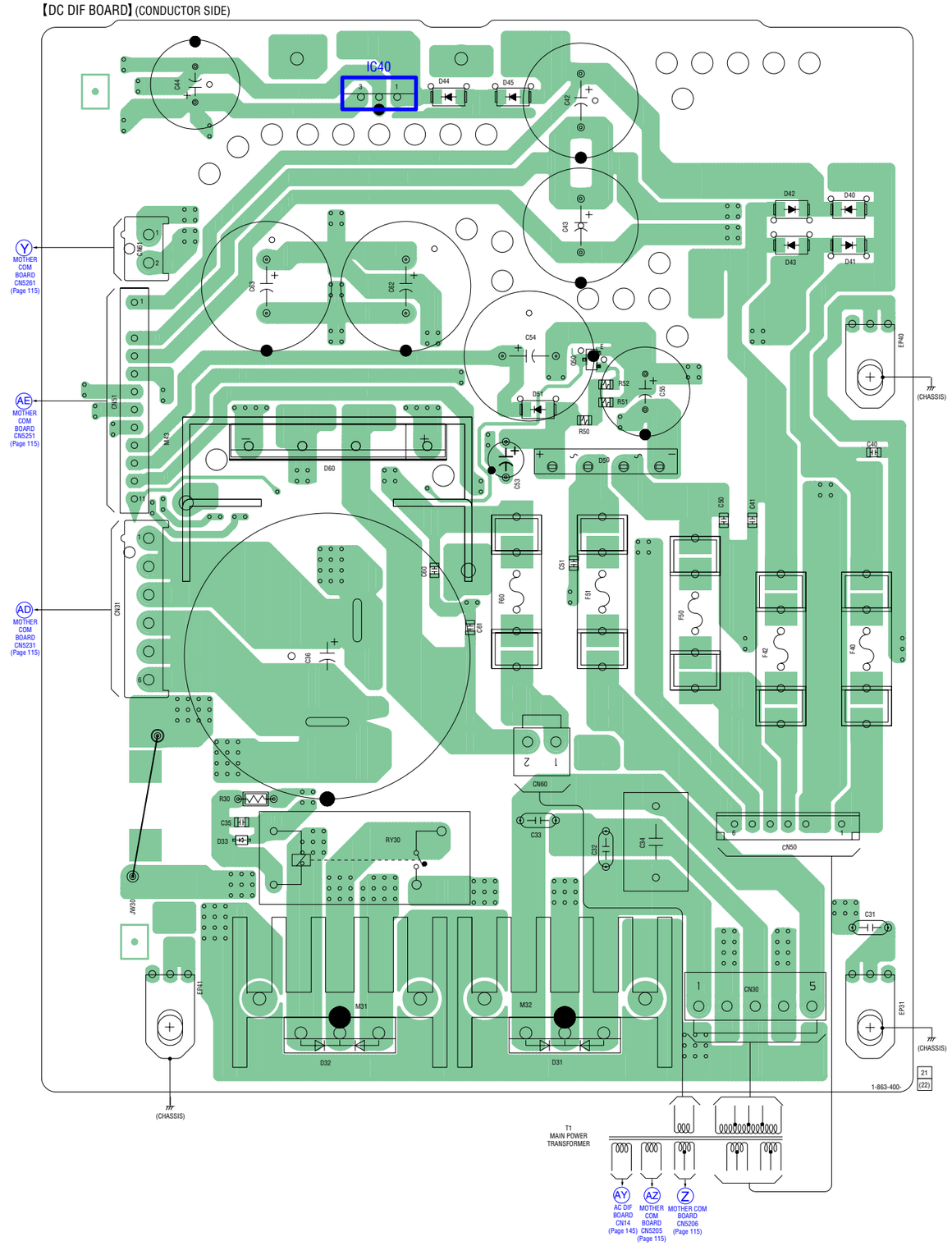
• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

【DC DIF BOARD】(COMPONENT SIDE)



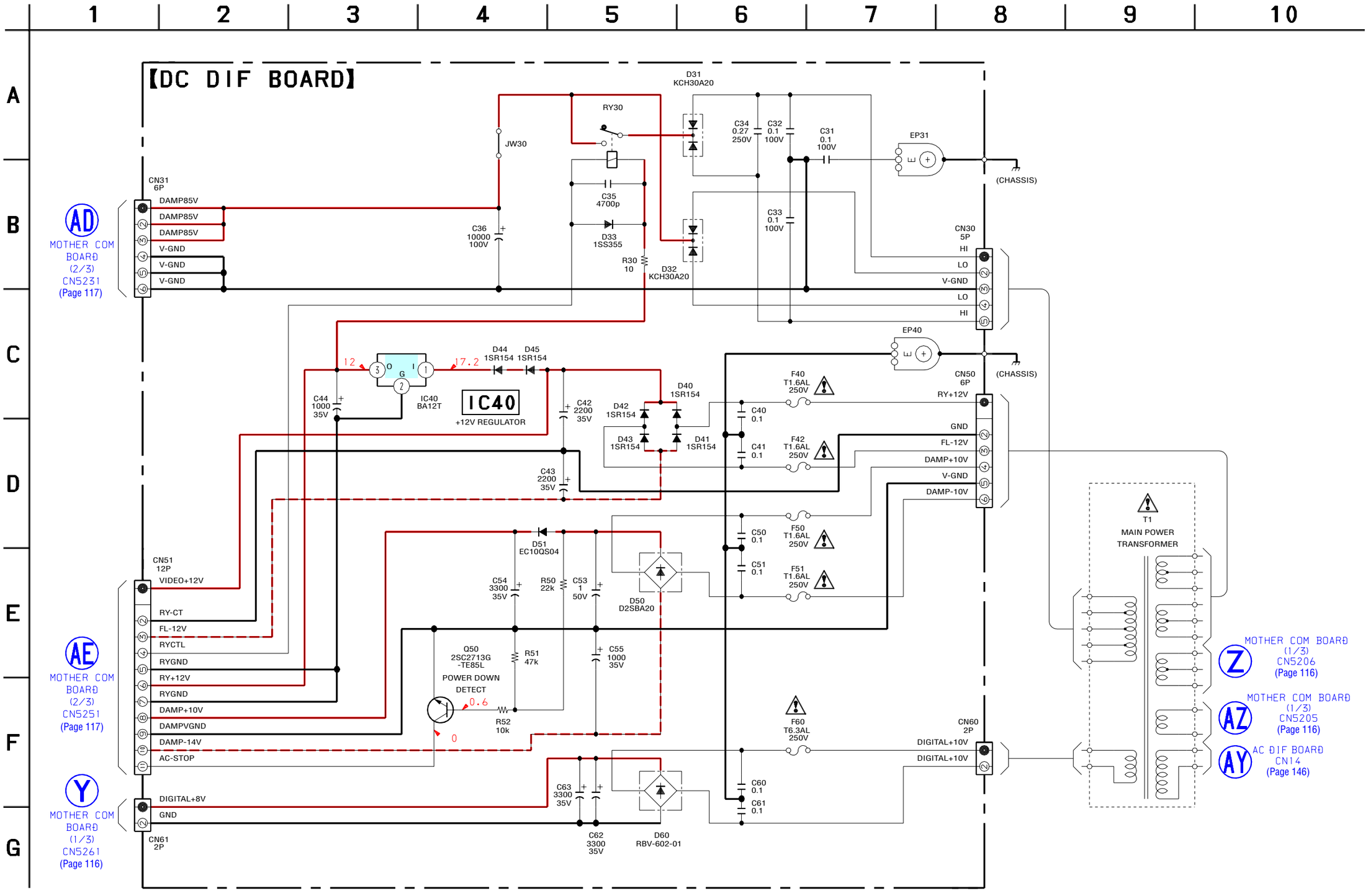
【DC DIF BOARD】(CONDUCTOR SIDE)



• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D31	I-13	D43	C-15	D60	E-11
D32	I-11	D44	B-12		
D33	H-11	D45	B-13	IC40	B-12
D40	C-16	D50	E-14		
D41	C-16	D51	D-13	Q50	D-14
D42	C-15				

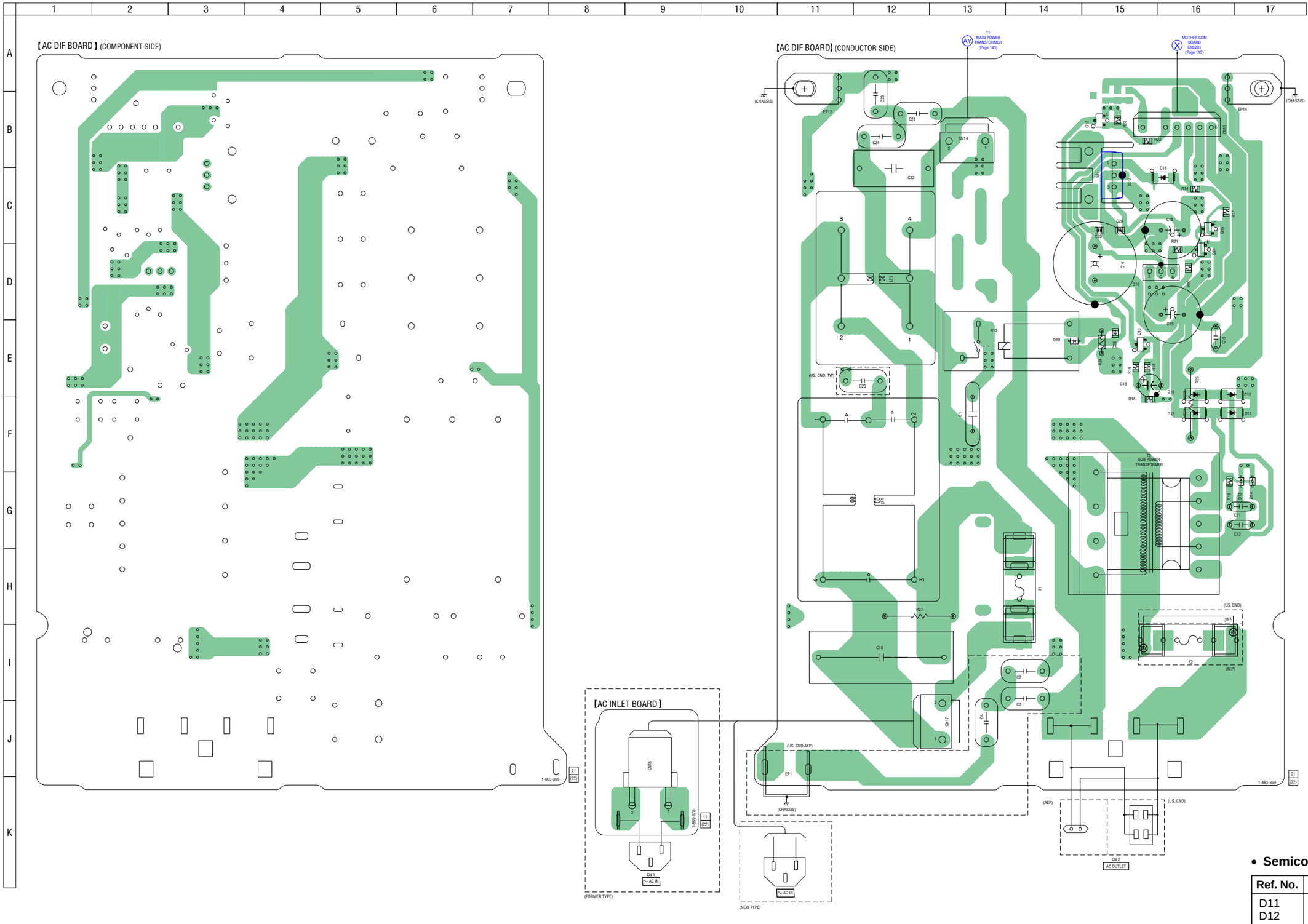
6-84. SCHEMATIC DIAGRAM – DC DIF BOARD –



6-85. PRINTED WIRING BOARD – AC DIF SECTIONS –

• See page 112 for Circuit Boards Location.

: Uses unleaded solder.

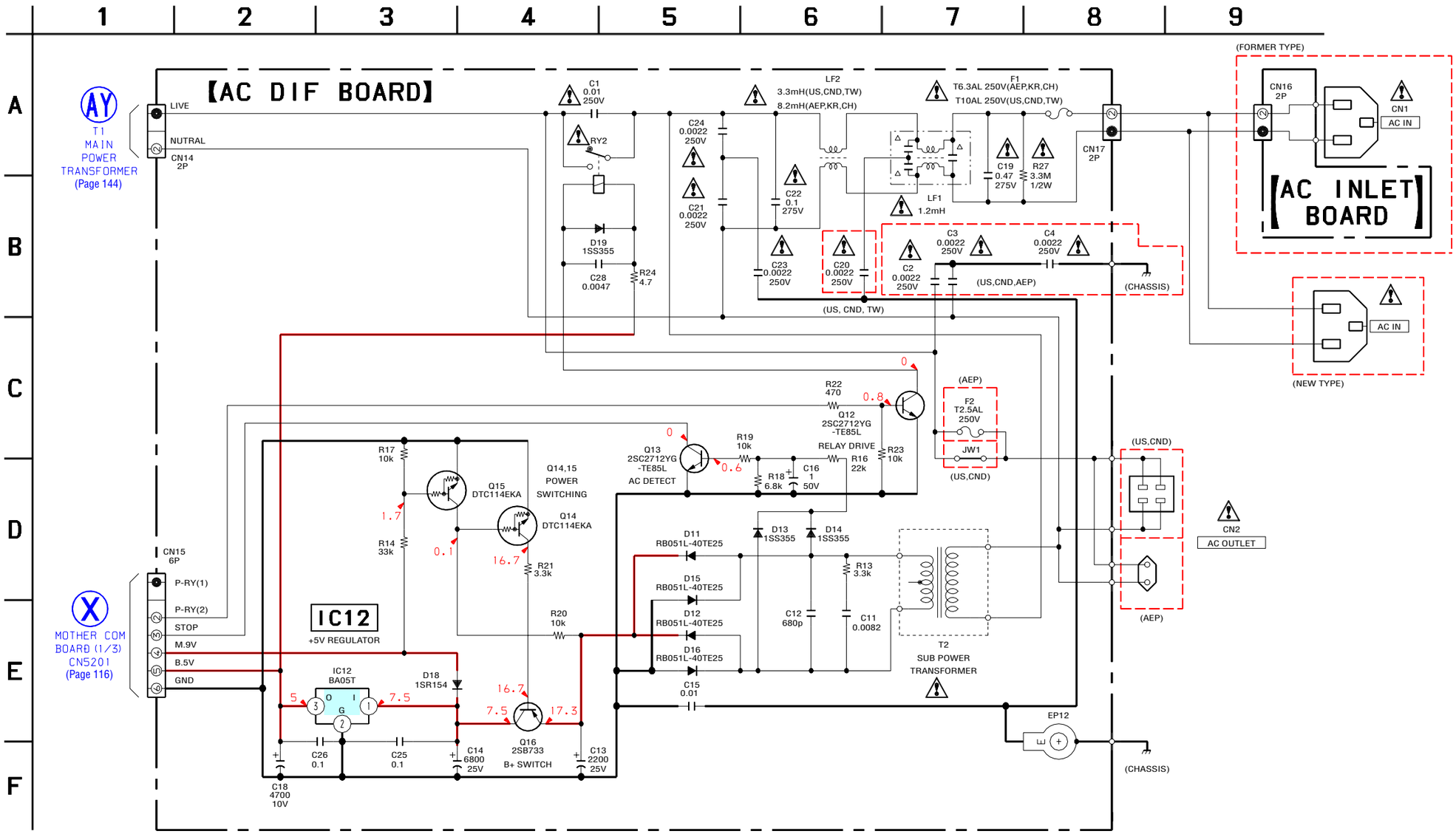


AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D11	F-17	IC12	C-15
D12	E-17		
D13	G-17	Q12	B-15
D14	G-17	Q13	E-15
D15	F-16	Q14	D-16
D16	E-16	Q15	C-16
D18	C-16	Q16	D-16
D19	E-14		

6-86. SCHEMATIC DIAGRAM – AC DIF SECTION –



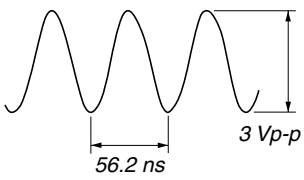
AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

• **Waveforms**

– VIDEO Board –

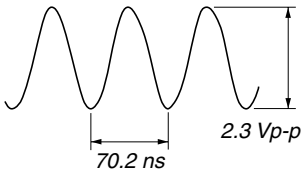
– D-AMP Board –

① IC3503 ①



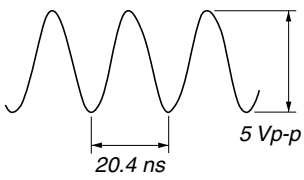
1 V/DIV, 20 ns/DIV

② IC3503 ③



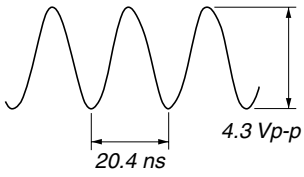
1 V/DIV, 20 ns/DIV

⑪ IC1412 ⑲ (XFSOIN)



2 V/DIV, 10 ns/DIV

⑫ IC1412 ⑫ (XFSOOUT)

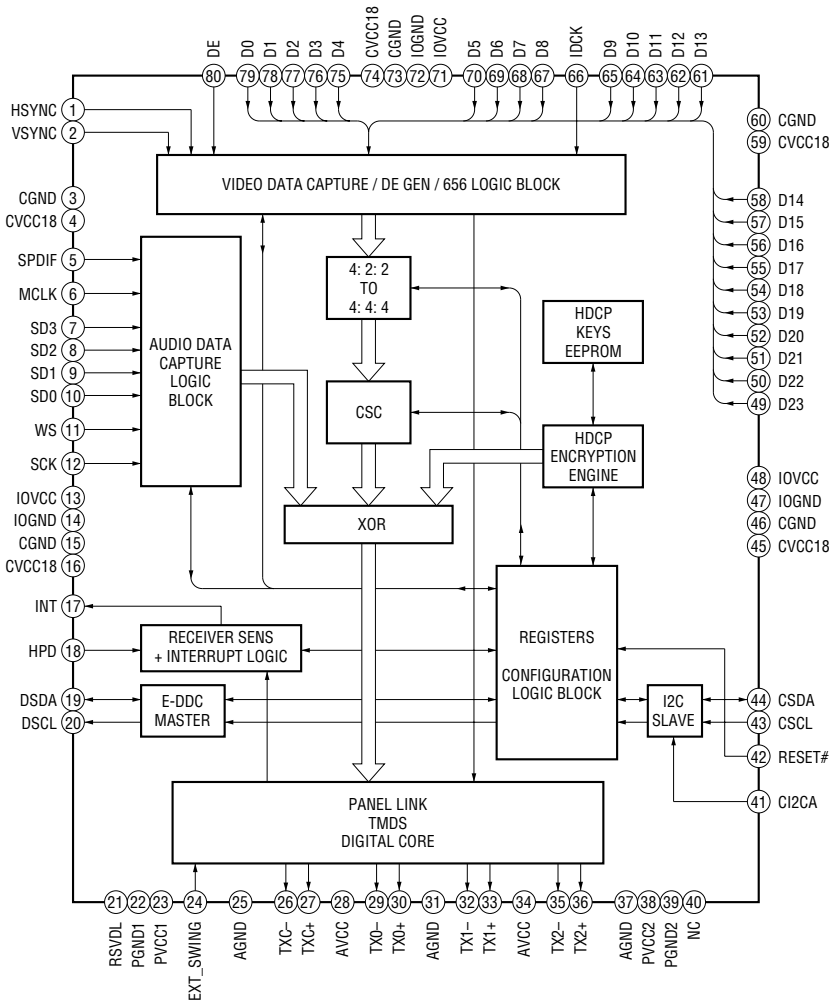


2 V/DIV, 10 ns/DIV

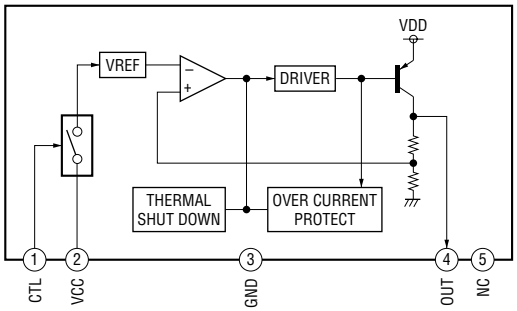
• **IC Block Diagrams**

– ILINK Board –

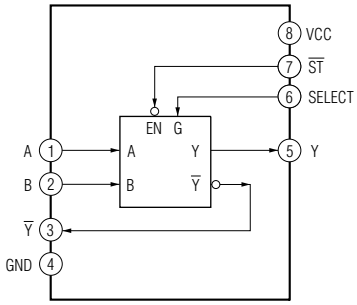
IC3208 SII9030CTU-1.1



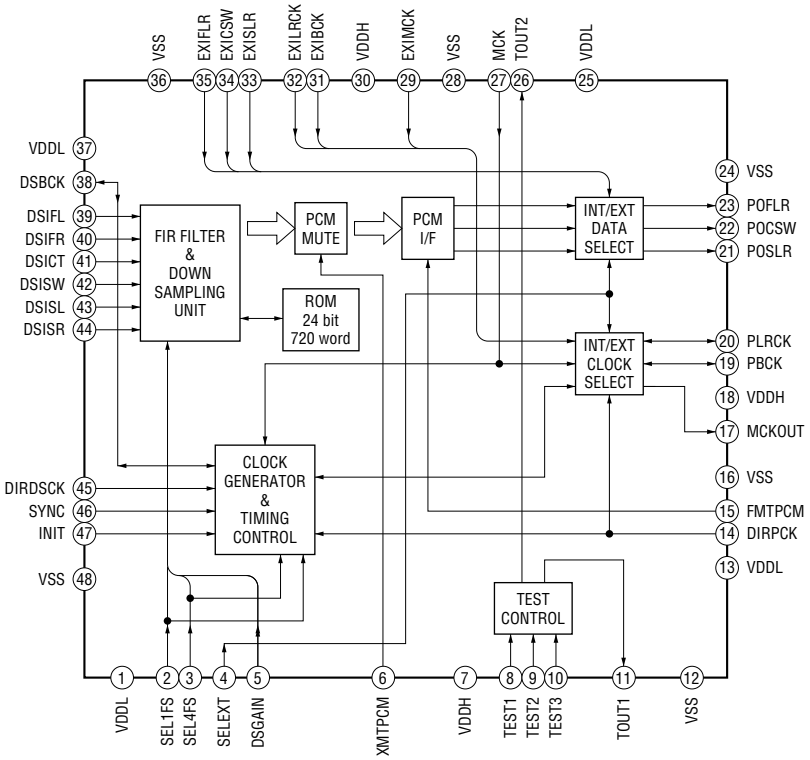
IC3501 BA25BC0WFP-E2



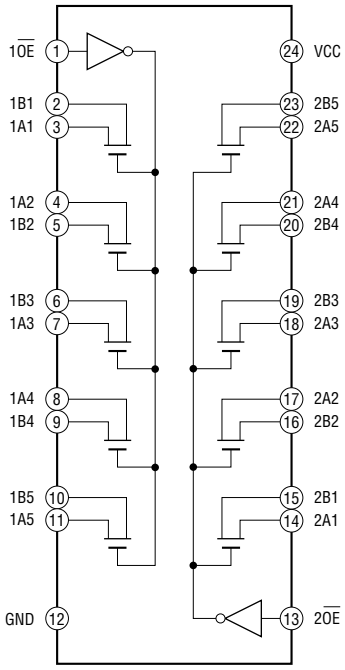
IC3007 SN74AHC2G157HDCT



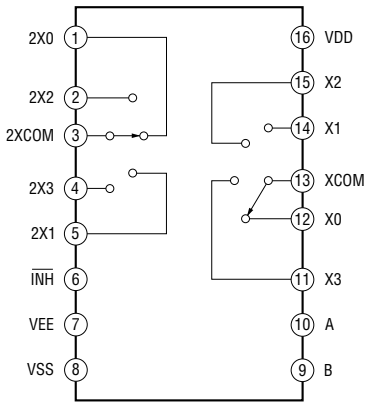
IC3011 CXD9850Q



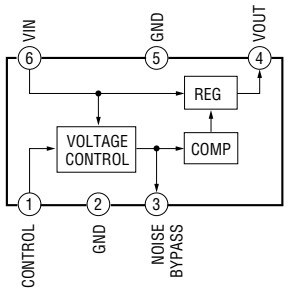
IC3204, 3206 SN74CBT3384APWR
IC3207 SN74CBT3384APWR



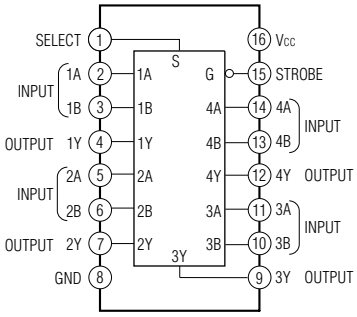
IC3203 SN74LV4052APWR



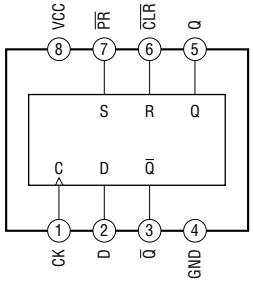
IC3212, 3214 TK11250CMCL-G



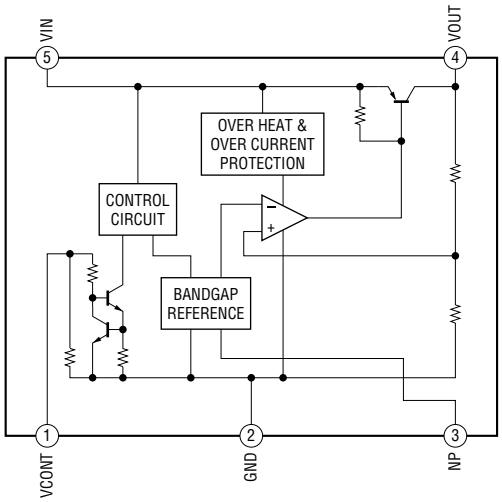
IC3009 TC74VHC157FT (EL)
IC3013 TC74VHC157FT (EL)



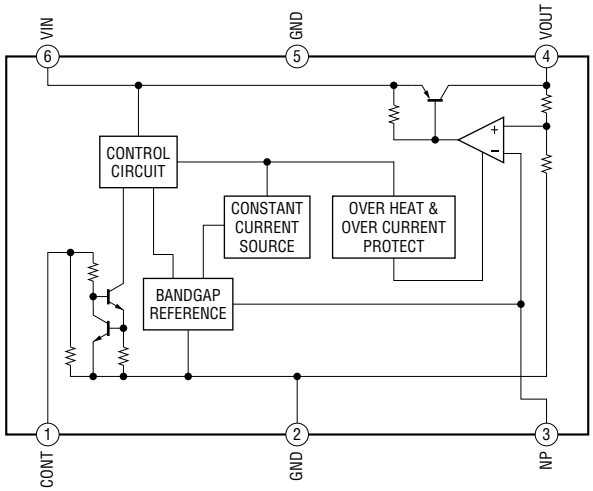
IC3012 TC7WH74FU (TE12R)



IC3404 TK11118CSCL-G

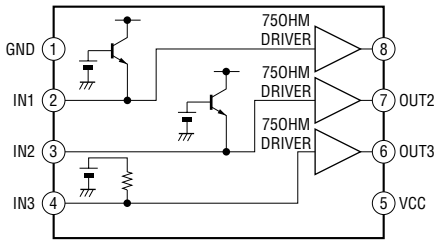


IC3505 TK11225CMCL-G

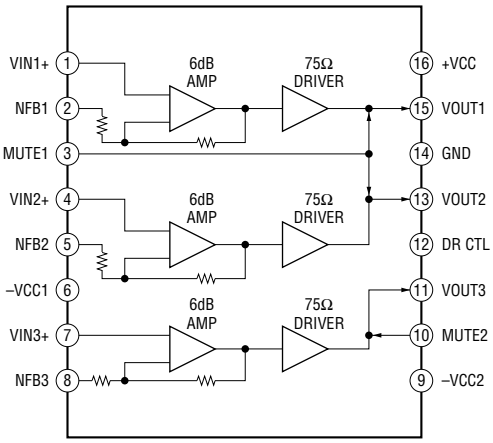


– VIDEO Board –

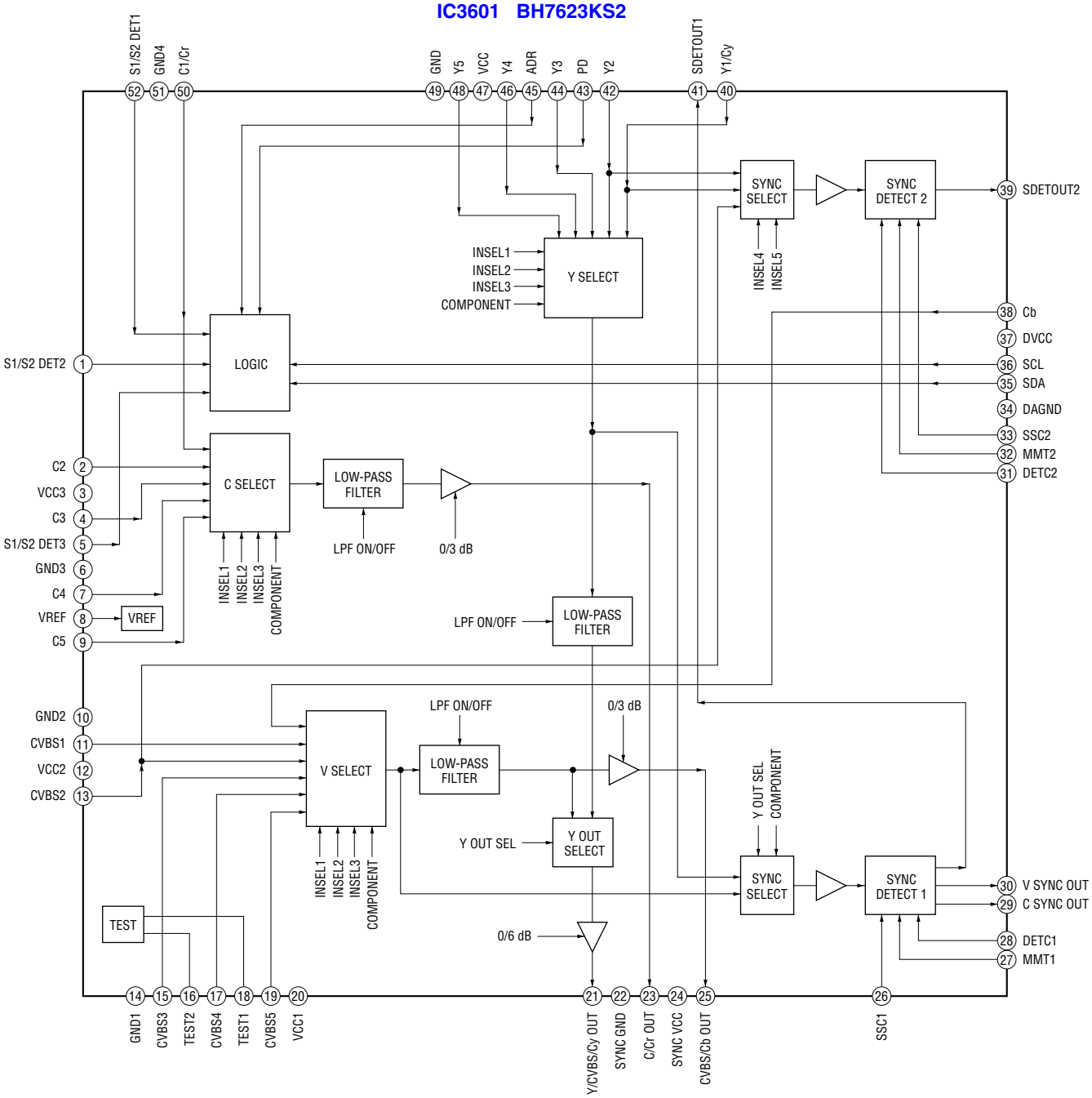
IC3604 BA7622F-E2-A



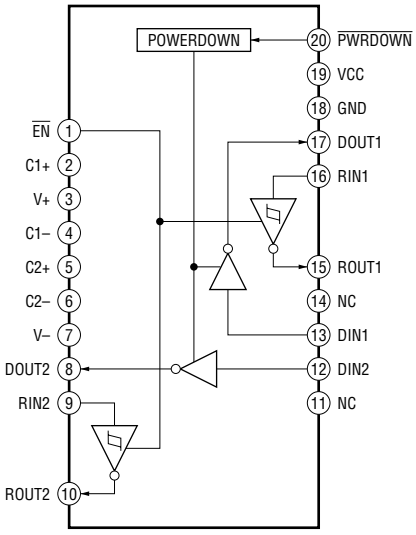
IC3701 LA7106M-TLM
IC3702 LA7106M-TLM



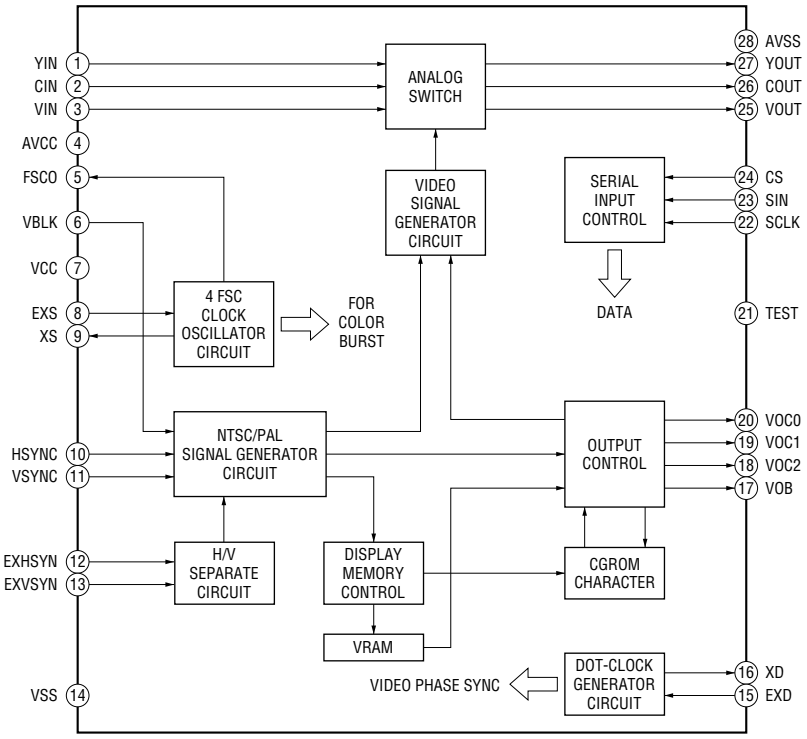
IC3601 BH7623KS2



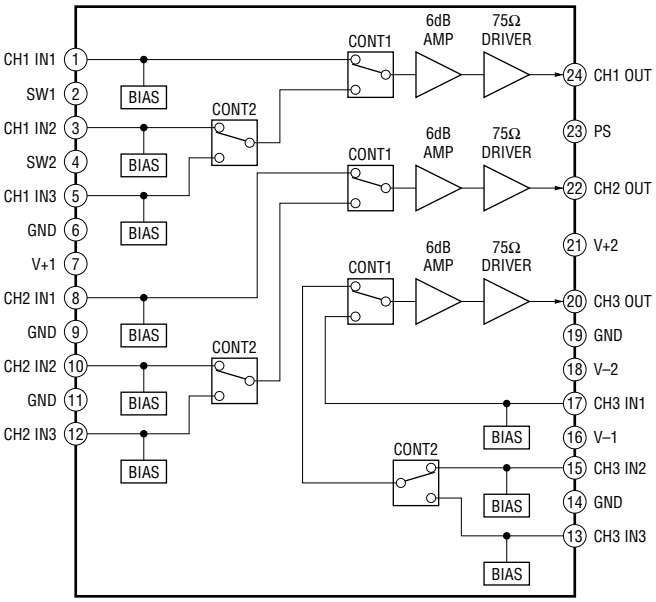
IC3201 MAX3222IPWR



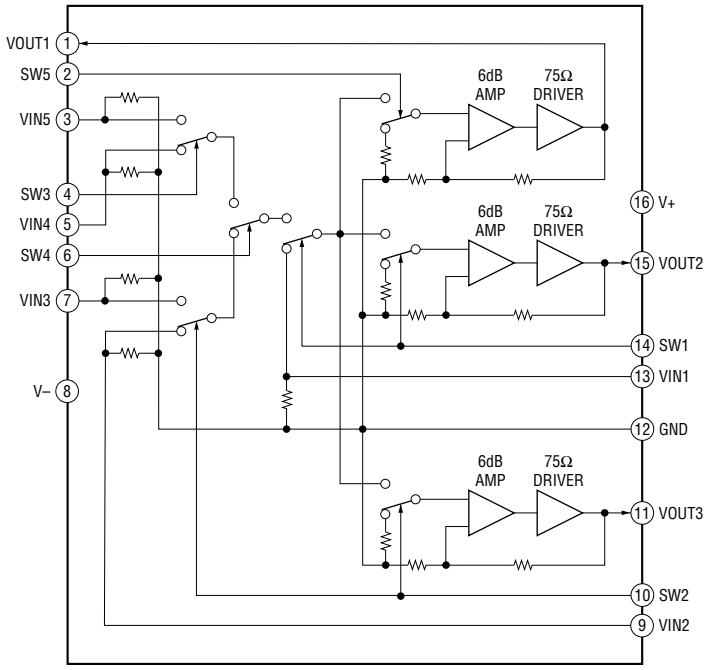
IC3501 MB90089F-G-238-BND



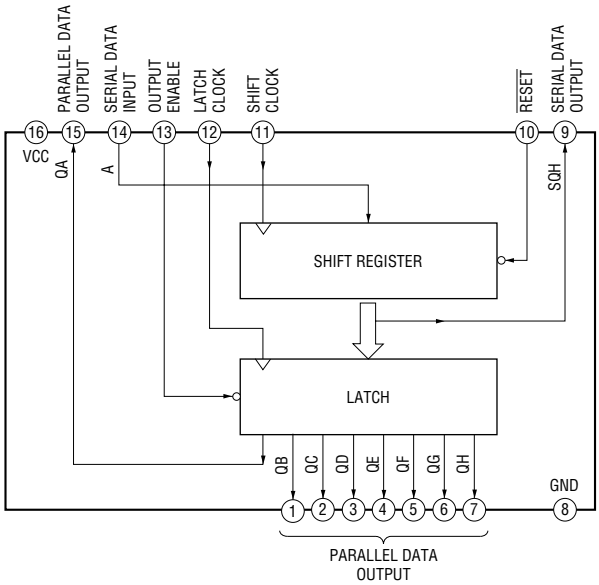
IC3331 NJM2586AM



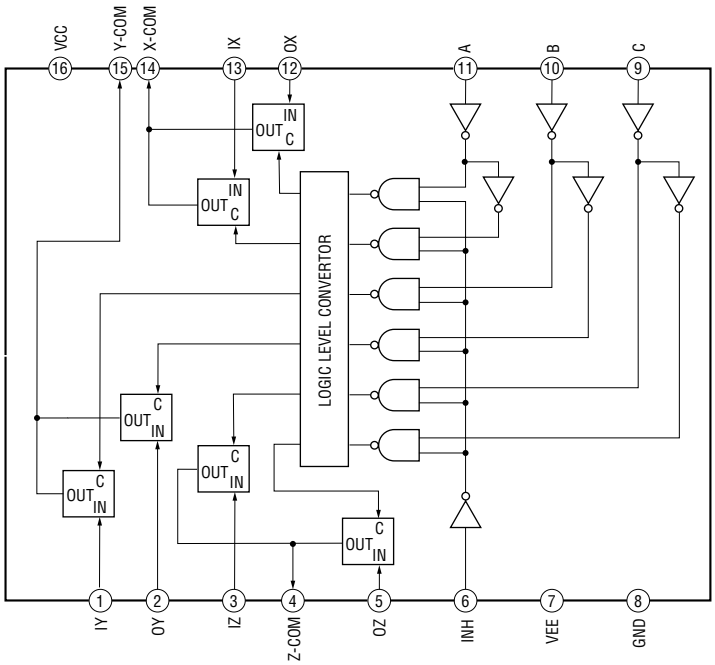
IC3421, 3431 NJM2595M-TE2



IC3812, 3813 SN74HC595ANS

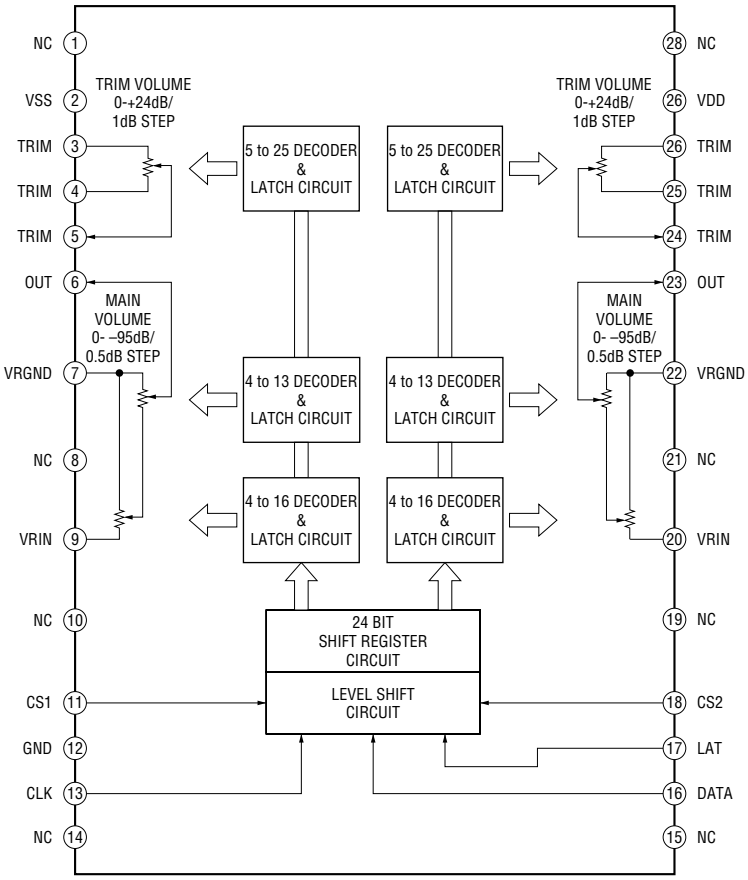


IC3602 TC74HC4053AFEL
IC3605 TC74HC4053AFEL
IC3814 TC74HC4053AFEL

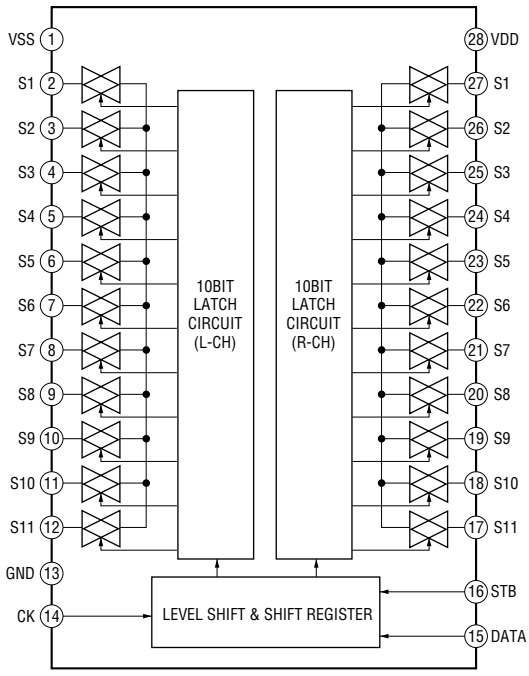


– ANALOG Board –

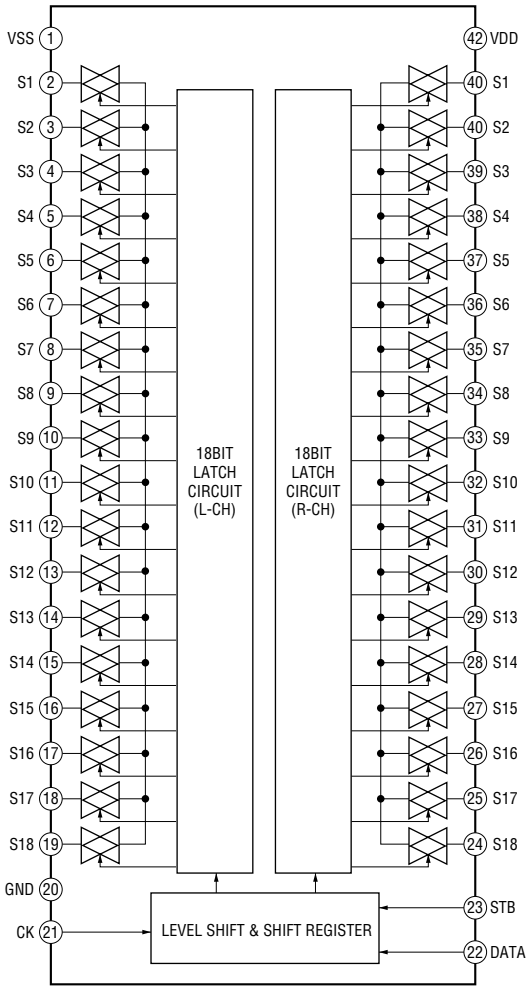
IC2812, 2862 CXD9725M
IC2912, 2962 CXD9725M



IC601 TC9273N-013

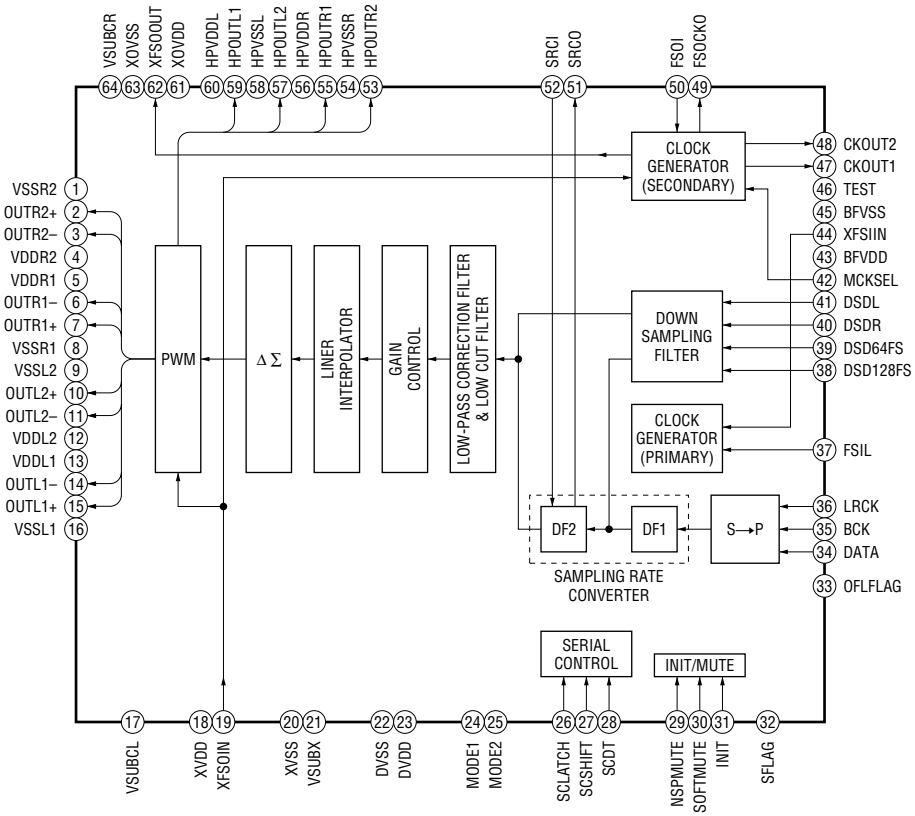


IC401 TC9274N-015
IC501 TC9274N-015

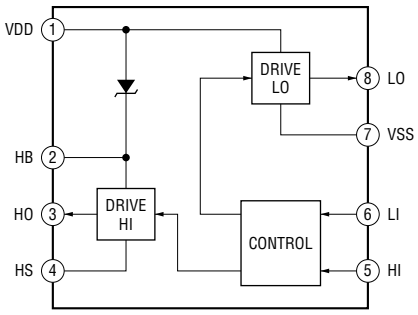


– D-AMP Board –

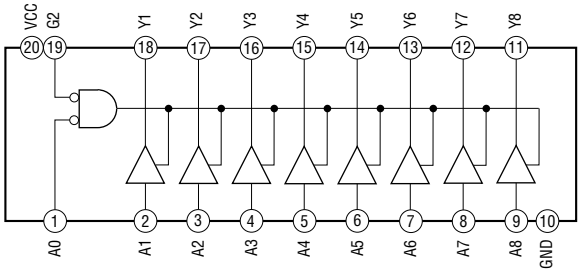
IC1402 CXD9773AQ
IC1412 CXD9773AQ
IC1422 CXD9773AQ
IC1432 CXD9773AQ



IC1407, 1408 HIP2101IBZT
IC1411, 1413 HIP2101IBZT
IC1416, 1418 HIP2101IBZT
IC1423, 1424 HIP2101IBZT
IC1427, 1428 HIP2101IBZT
IC1431, 1433 HIP2101IBZT
IC1436, 1437 HIP2101IBZT

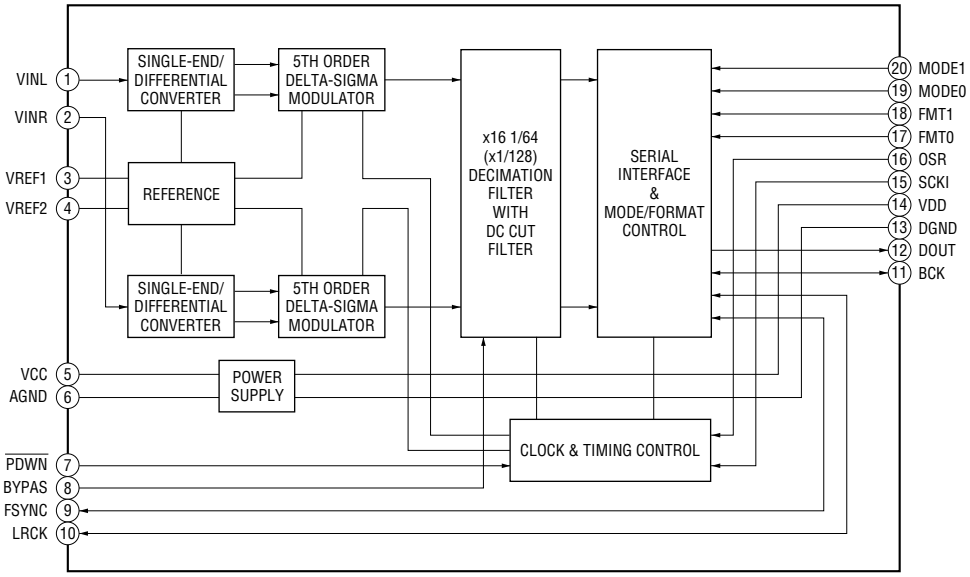


IC1417, 1419 TC74VHC541FT (EL)

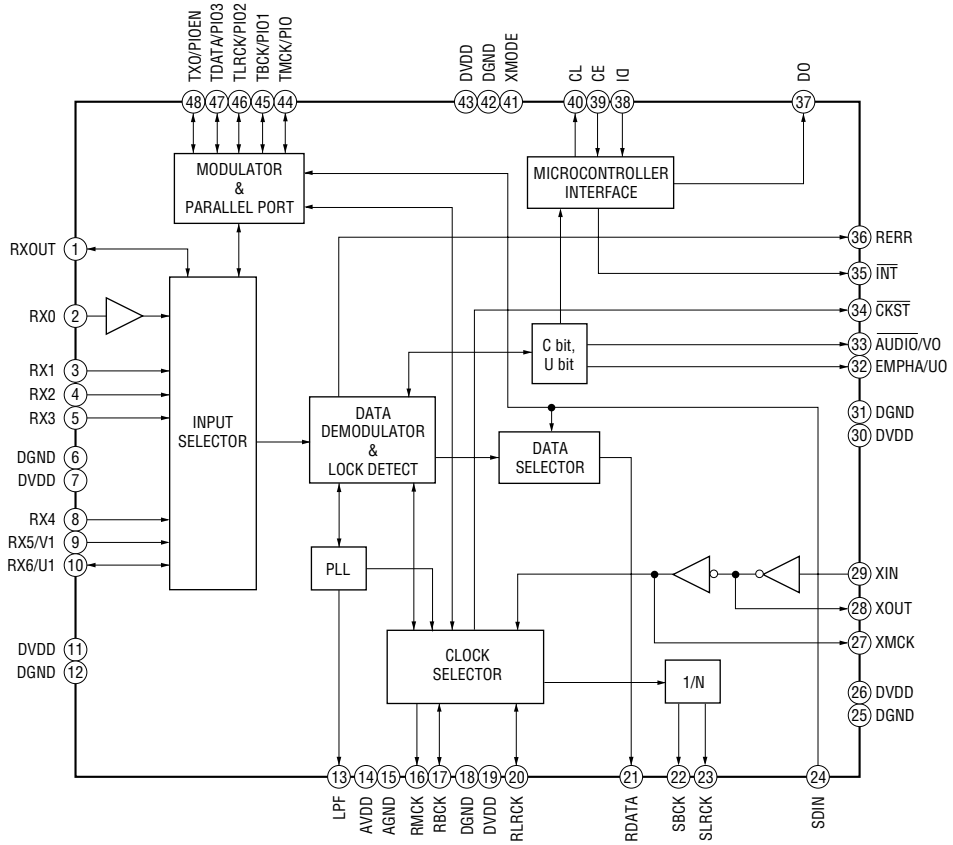


– DIGITAL Board –

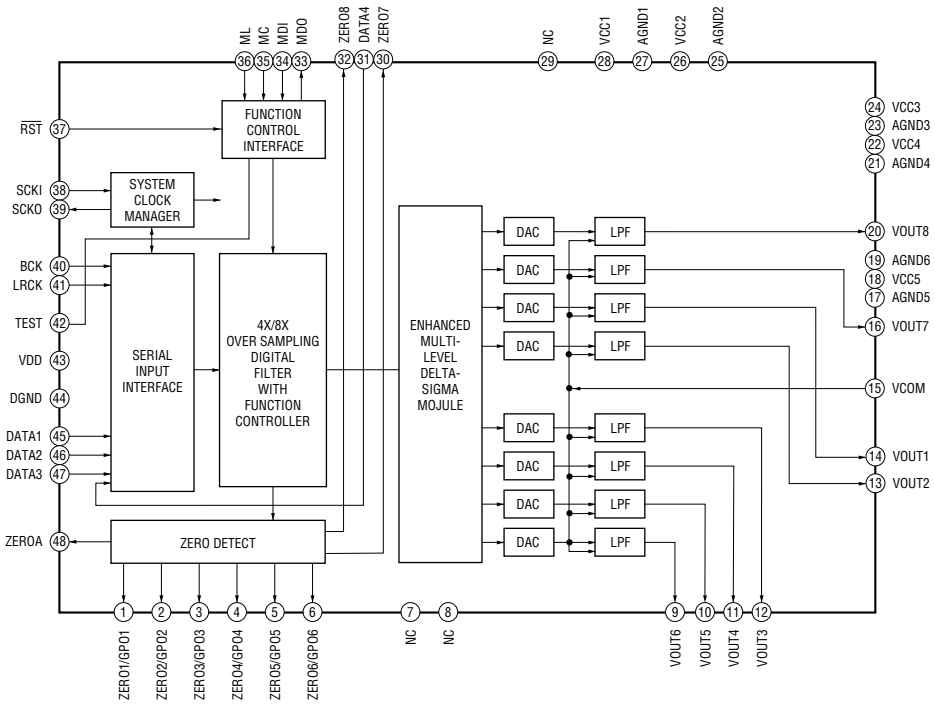
IC2024, 2025 CXD9856N
IC2026, 2031 CXD9856N



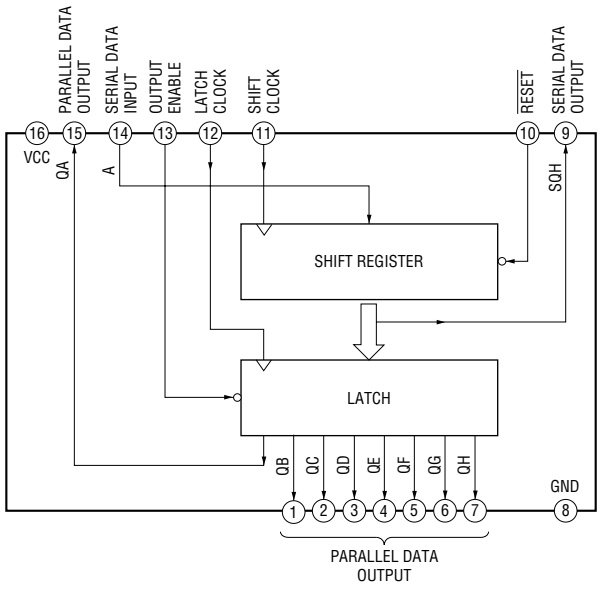
IC2006 LC89057W-VF4A-E



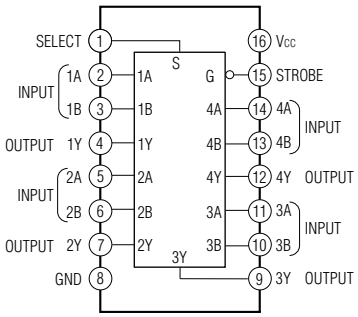
IC2034 PCM1609KPTR



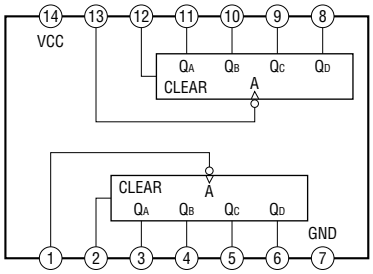
IC2012, SN74HC595ANS
IC2044, 2045 SN74HC595ANS



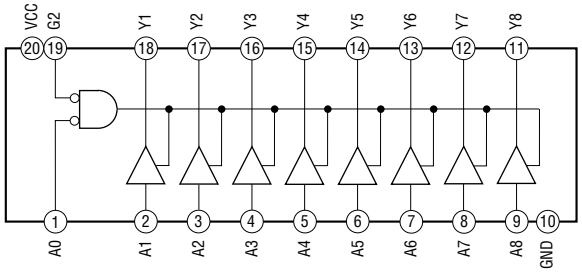
IC2018, 2019 TC74VHC157FT (EL)
IC2039 TC74VHC157FT (EL)



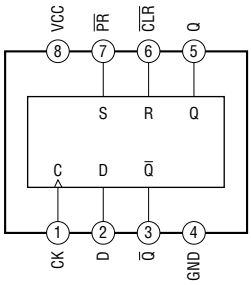
IC2017 TC74VHC393FT (EL)



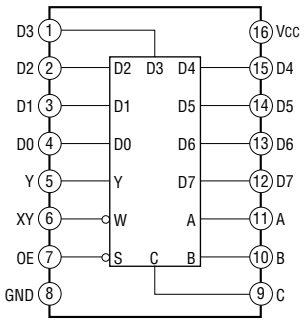
IC2038 TC74VHC541FT (EL)



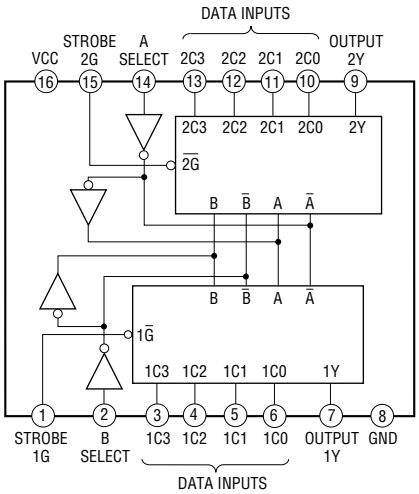
IC2022 TC7WH74FU (TE12R)
IC2032 TC7WH74FU (TE12R)
IC2033 TC7WH74FU (TE12R)
IC2036 TC7WH74FU (TE12R)



IC2009 TC74HC151AF (EL)

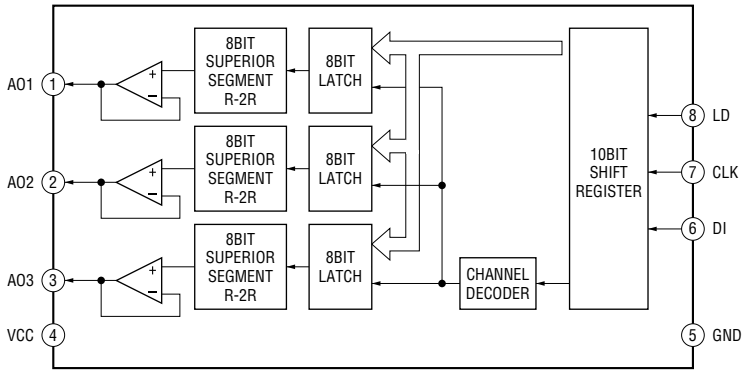


IC2020 TC74VHC153FT (EL)

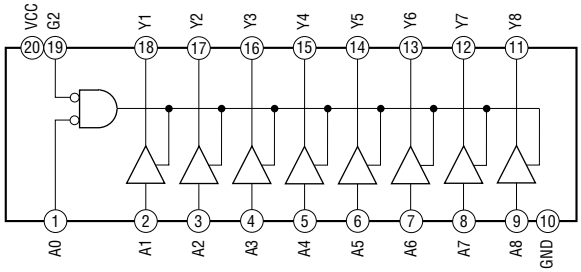


– MOTHER COM Board –

IC5301 M62343FP

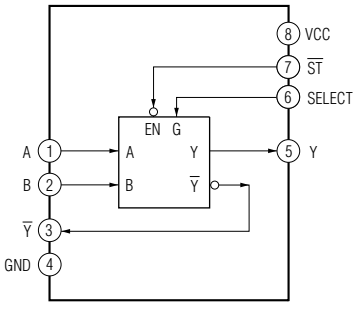


IC5345 TC74VHC541FT (EL)

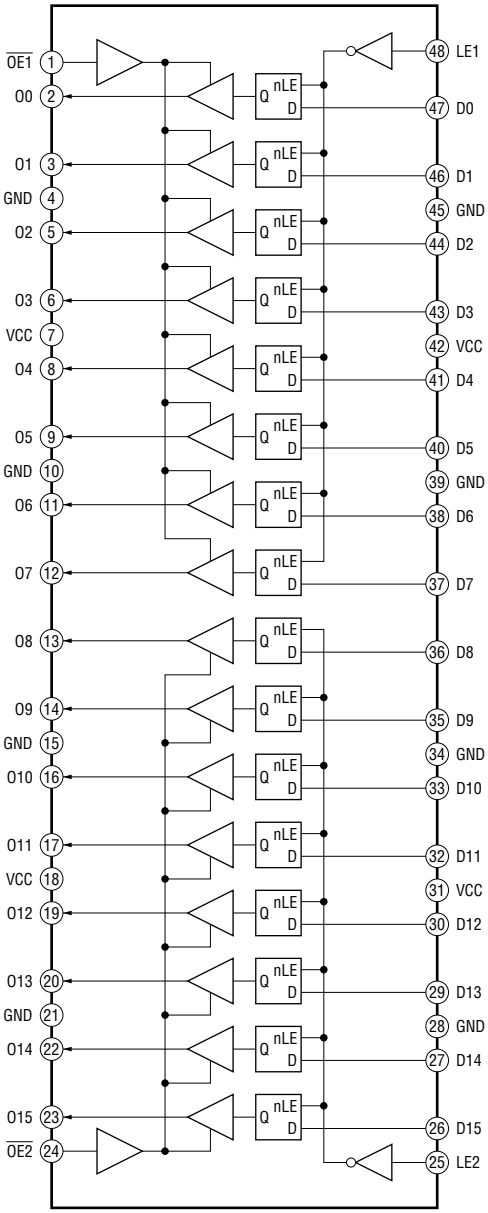


– DSP Board –

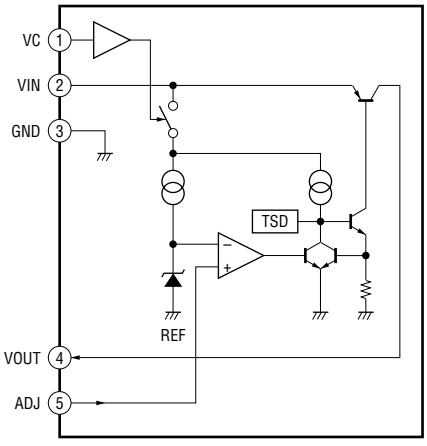
IC4 TC7WH157FK (TE85R)



IC6 MC74LCX16373DTR2

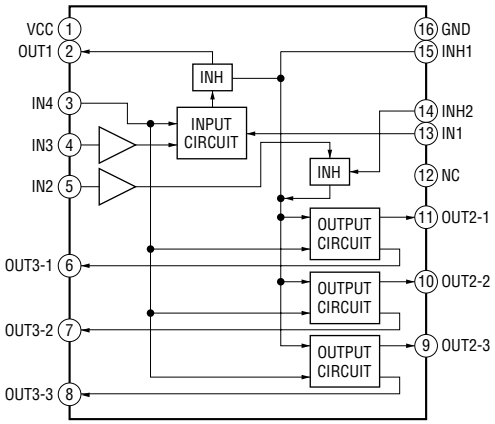


IC1 SI-3010KM-TL



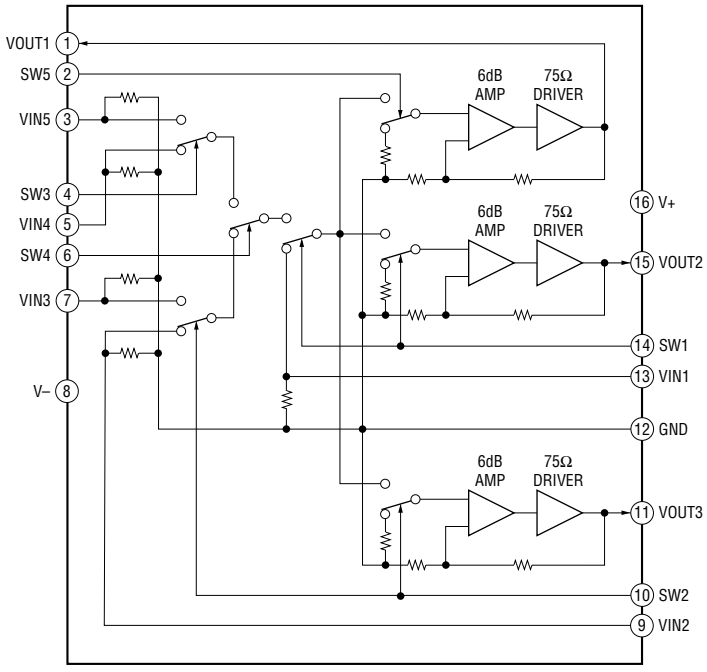
– CIS Board –

IC861 NJM2145M-TE2

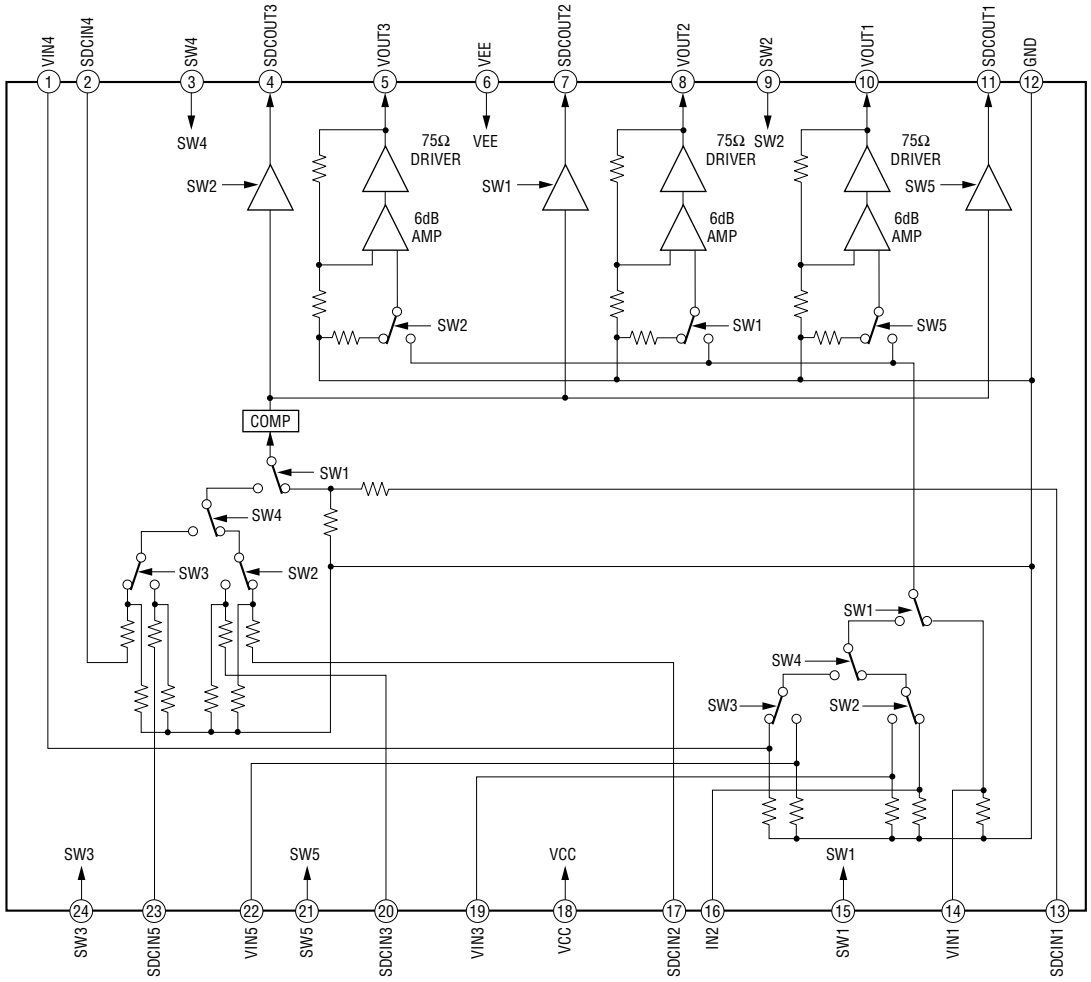


– S-VIDEO Board –

IC701 NJM2595M-TE2

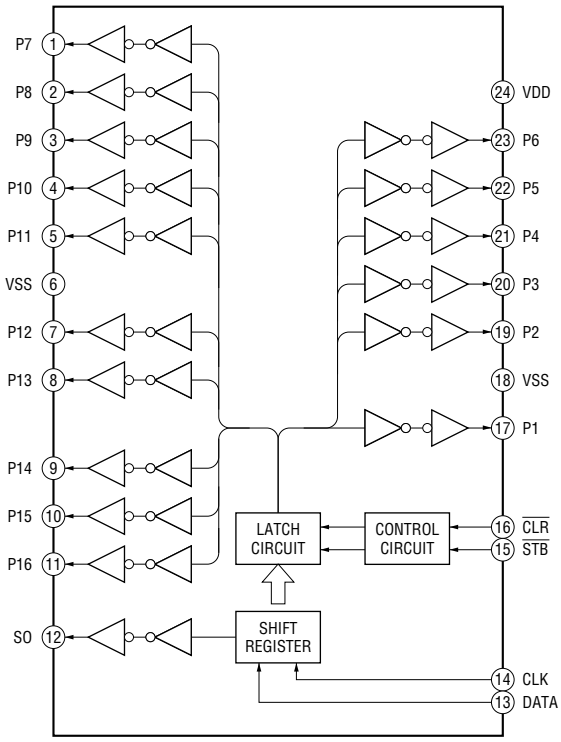


IC702 NJM2596M (TE2)



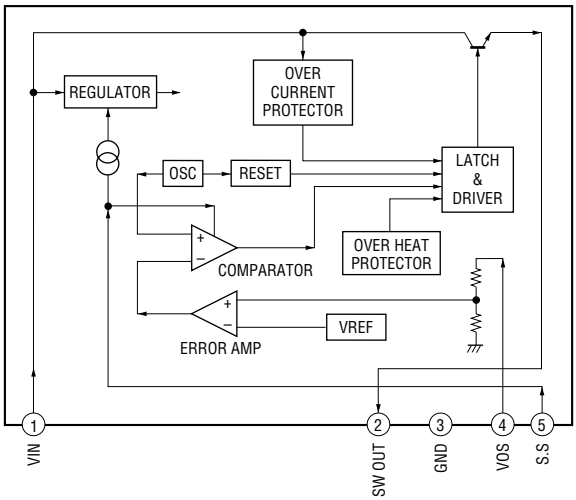
– FL Board –

IC1004 NJU3716M-TE2



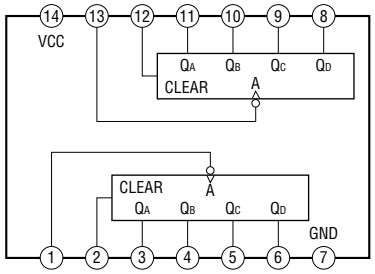
– HDMI POWER Board –

IC5401 SI-8050S-LF1101

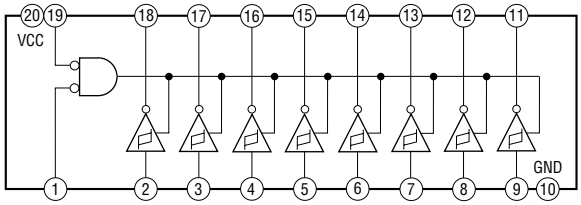


– SP-TERM COM Board –

IC5116 TC74VHC393F (EL)



IC5117 TC74VHC540FT (EL)



SECTION 7
EXPLODED VIEWS

NOTE:

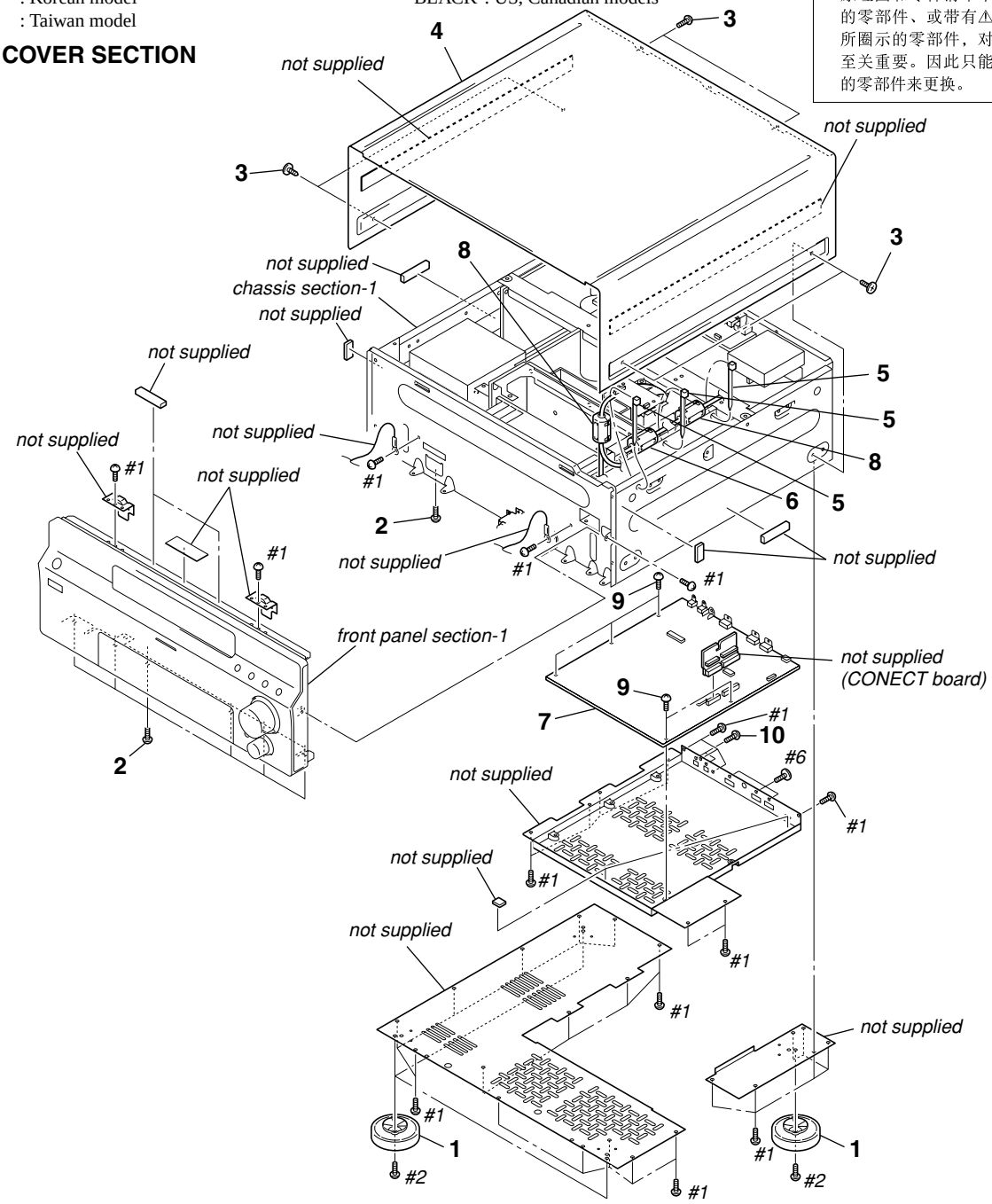
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  TW : Taiwan model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.
- Color variation
  SILVER : US, Canadian, Chinese, Korean, Taiwan models
  BLACK : US, Canadian models

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

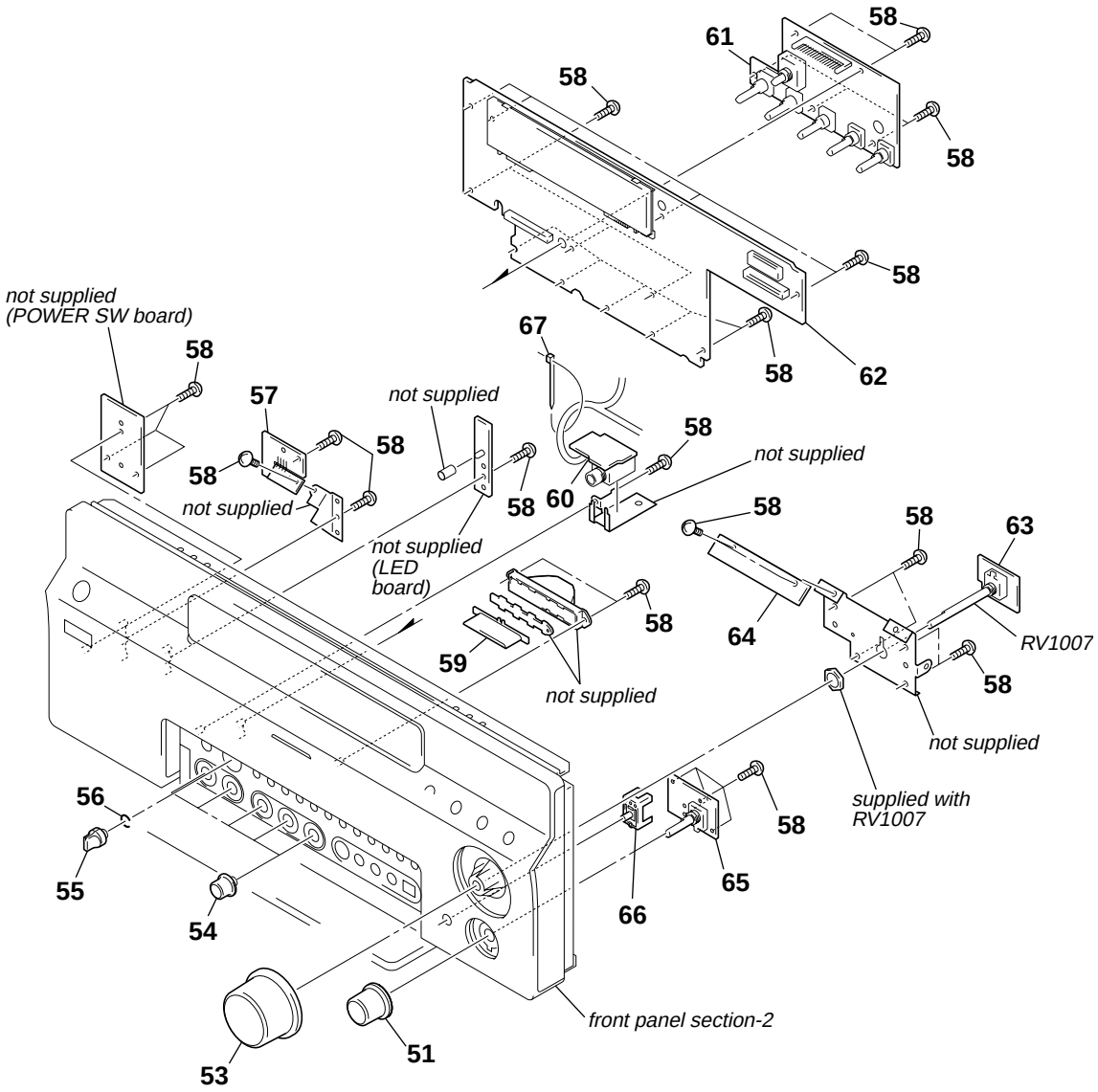
Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

7-1. COVER SECTION


not supplied
not supplied
chassis section-1
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied
front panel section-1
not supplied
(CONECT board)
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied
not supplied

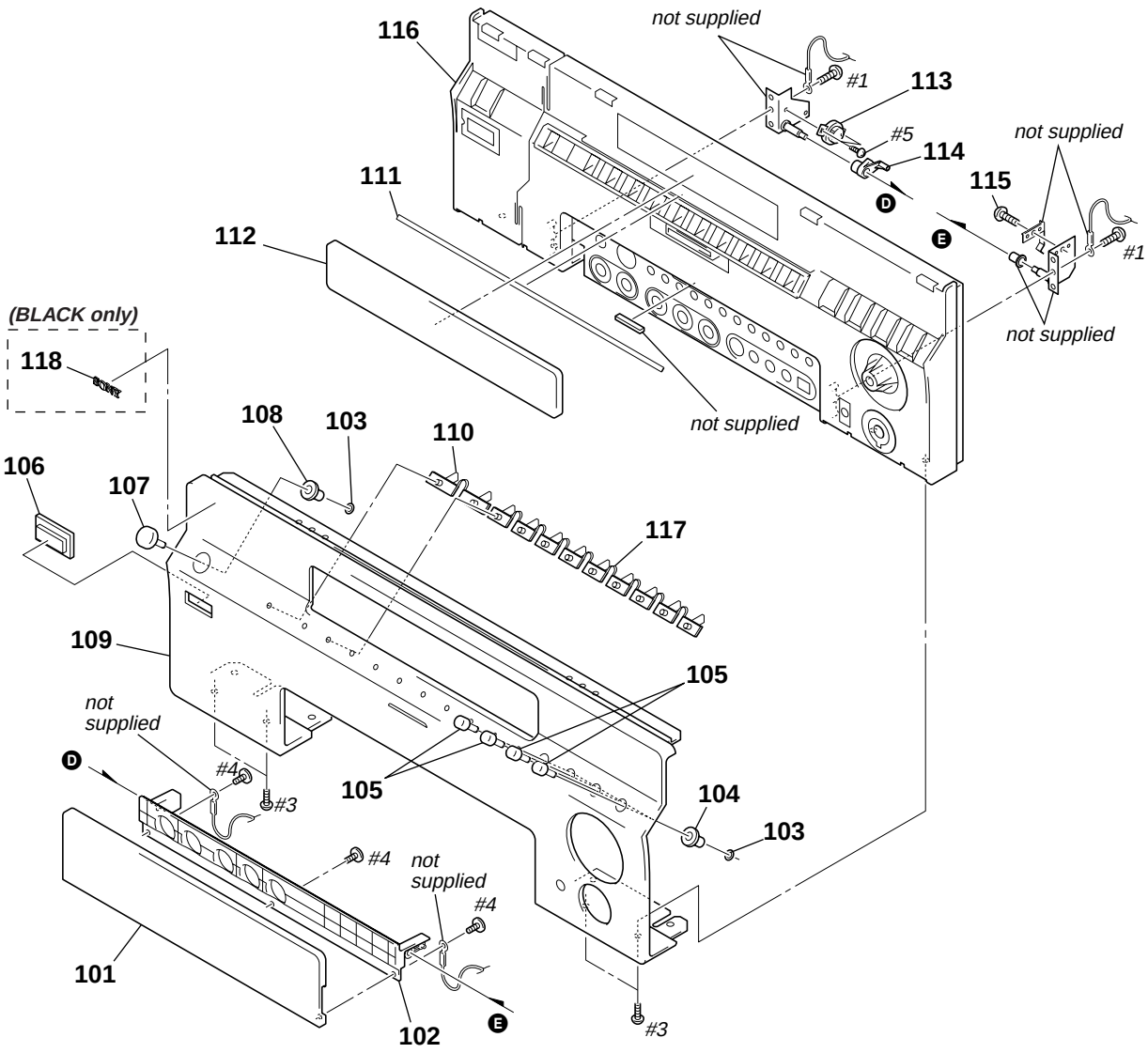
7-2. FRONT PANEL SECTION-1



Ref. No.	Part No.	Description	Remark
51	X-4955-651-2	KNOB (SEL) ASSY (SILVER)	
51	X-4955-656-2	KNOB (SEL) ASSY (BLACK)	
53	X-4955-650-2	KNOB (VOL) ASSY (SILVER)	
53	X-4955-657-2	KNOB (VOL) ASSY (BLACK)	
54	4-246-104-01	KNOB (MENU) (SILVER)	
54	4-246-104-21	KNOB (MENU) (BLACK)	
55	4-246-103-02	KNOB (SPEAKER) (SILVER)	
55	4-246-103-22	KNOB (SPEAKER) (BLACK)	
56	3-354-981-11	SPRING (SUS), RING	
57	1-860-316-11	POWER SW SUB BOARD	
58	3-087-053-01	+BVTP2.6 (3CR)	

Ref. No.	Part No.	Description	Remark
59	4-246-109-01	INDICATOR (C)	
60	1-688-723-11	HP BOARD	
61	1-688-724-11	JOG BOARD	
62	A-1066-262-A	FL BOARD, COMPLETE	
63	1-688-727-11	VOL BOARD	
64	1-688-729-11	KEY BOARD BOARD	
65	1-688-726-11	FUNCTION BOARD	
66	4-246-118-01	BUTTON (INPUT) (SILVER)	
66	4-246-118-21	BUTTON (INPUT) (BLACK)	
67	3-655-653-21	BAND (TAITON), BINDING	
RV1007	1-477-382-11	ENCODER, ROTARY (MASTER VOLUME)	

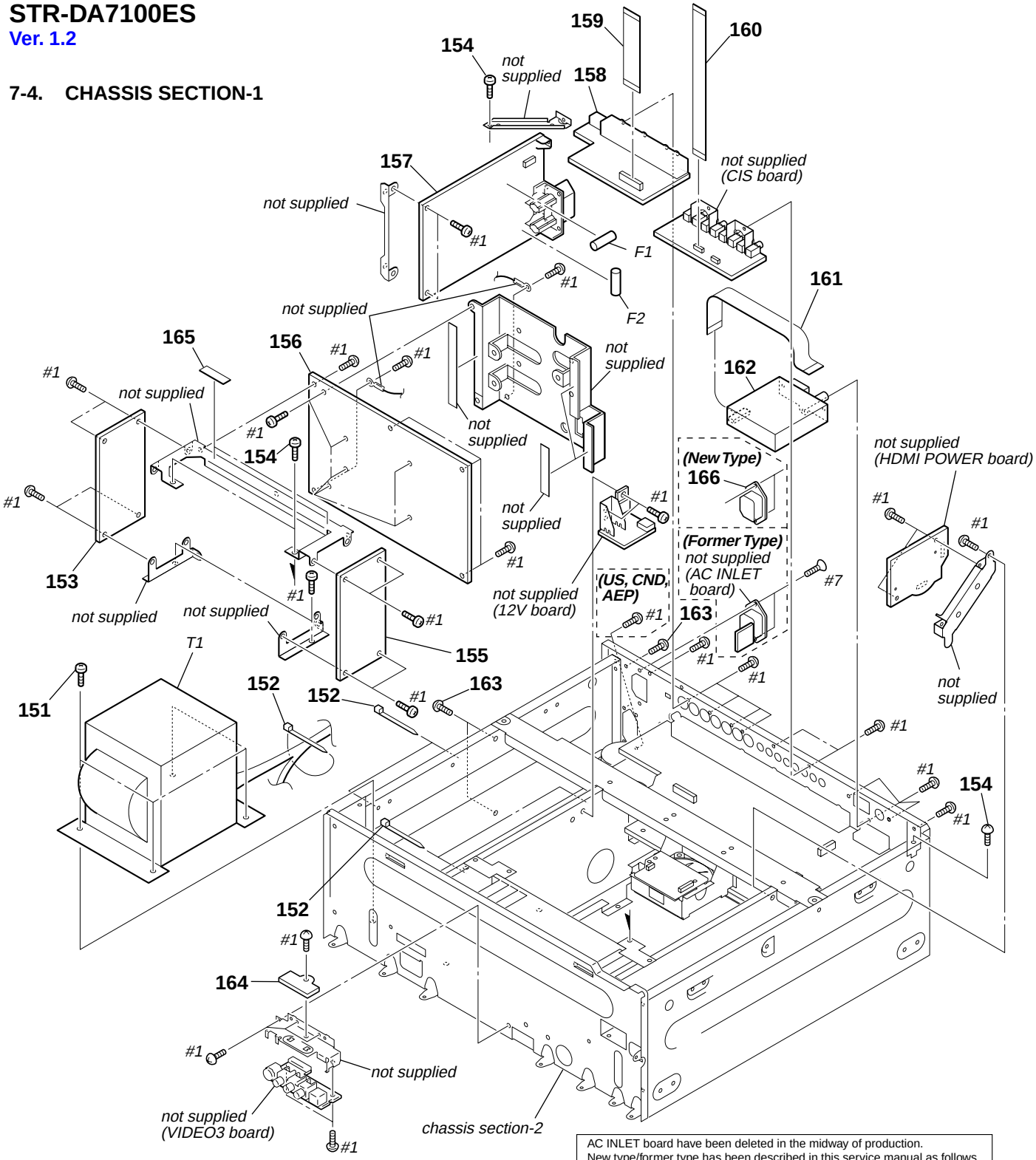
7-3. FRONT PANEL SECTION-2



Ref. No.	Part No.	Description	Remark
101	4-246-526-02	LID (SILVER)	
101	4-246-526-41	LID (BLACK)	
102	X-4955-632-2	ESCUTCHEON (LID) ASSY (for SILVER)	
102	X-4955-634-1	ESCUTCHEON (LID) ASSY (for BLACK)	
103	3-325-697-21	WASHER	
104	X-4955-653-1	ESCUTCHEON (DIA. 7) ASSY	
105	4-246-100-03	BUTTON (DIA. 7) (SILVER)	
105	4-246-100-23	BUTTON (DIA. 7) (BLACK)	
106	4-246-102-02	WINDOW (REMOTECONTROL)	
107	4-246-121-03	BUTTON (POWER) (SILVER)	
107	4-246-121-23	BUTTON (POWER) (BLACK)	
108	X-4955-652-2	ESCUTCHEON (POWER) ASSY	
109	2-067-133-11	PANEL, FRONT (SILVER) (US, CND)	
109	2-067-133-21	PANEL, FRONT (AEP)	
109	2-067-133-31	PANEL, FRONT (TW, KR, CH)	
109	2-067-133-41	PANEL, FRONT (BLACK) (US, CND)	

Ref. No.	Part No.	Description	Remark
110	4-246-107-01	INDICATOR (A)	
111	4-249-861-01	PLATE, LIGHT INTERCEPTION	
112	4-246-538-01	PLATE, INDICATION (for SILVER)	
112	4-246-538-11	PLATE, INDICATION (for BLACK)	
113	4-240-391-01	DAMPER, OIL	
114	4-246-743-01	GEAR (DAMPER)	
115	3-087-053-01	+BVTP2.6 (3CR)	
116	X-2050-195-1	BASE ASSY, PANEL (SILVER)	
116	X-2102-329-1	BASE ASSY, PANEL (BLACK)	
117	4-246-108-01	INDICATOR (B)	
118	4-942-568-41	EMBLEM (No. 5), SONY (for BLACK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-536-19	SCREW +BTP 2.6X12 TYPE2 N-S	
#4	7-621-770-87	SCREW +B 2.6X5 (for SILVER)	
#4	7-621-775-20	SCREW +B 2.6X5 (for BLACK)	
#5	7-685-853-04	SCREW +BVTT 2X6 (S)	

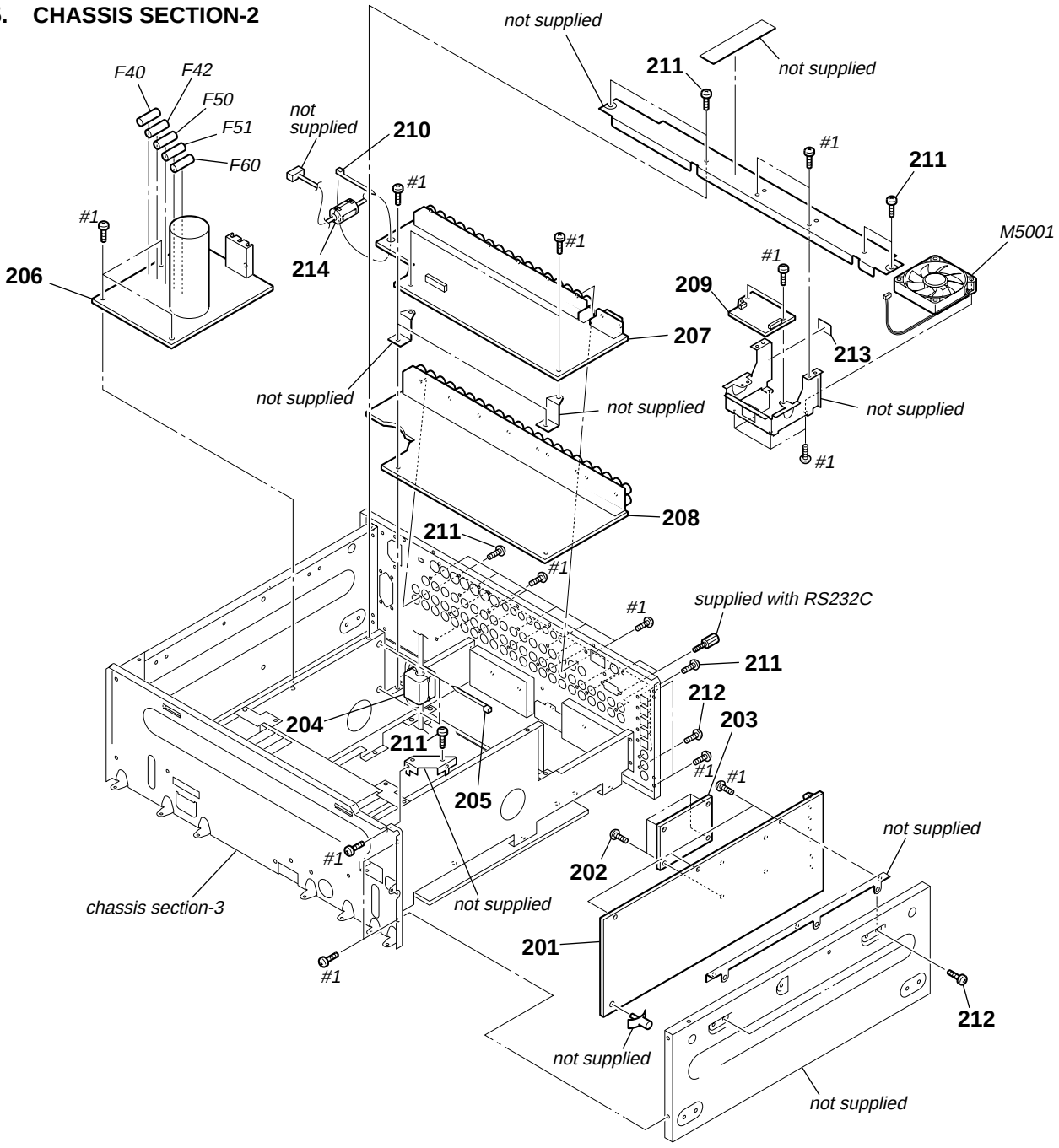
7-4. CHASSIS SECTION-1



AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

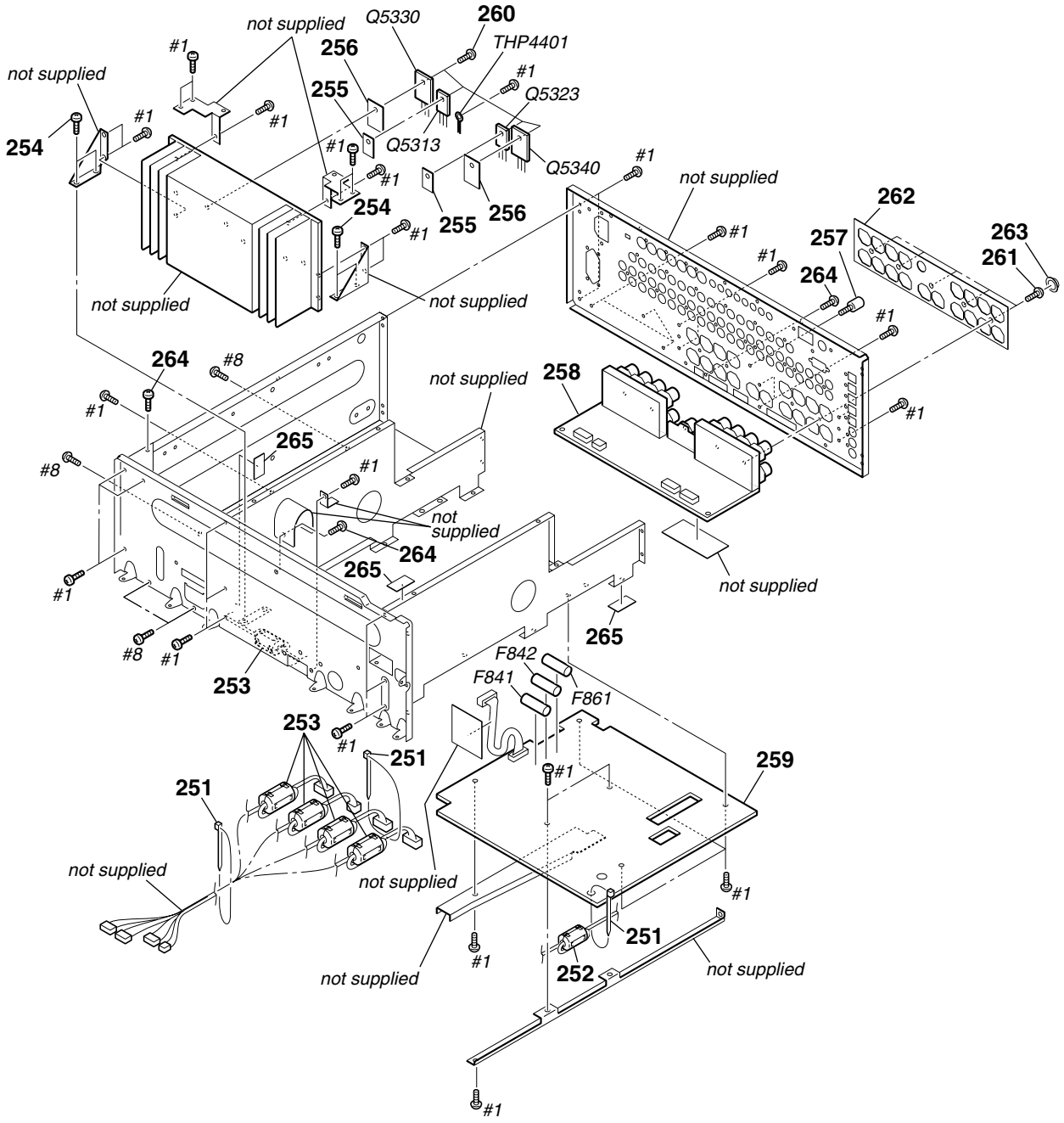
Ref. No.	Part No.	Description	Remark
151	4-394-596-01	SCREW (M5), TERMINAL	
152	3-655-653-21	BAND (TAITON), BINDING	
153	A-1099-057-A	FILTER-R BOARD, COMPLETE	
154	3-704-515-22	SCREW (BV/RING)	
155	A-1099-059-A	FILTER-L BOARD, COMPLETE	
156	A-1099-055-A	D-AMP BOARD, COMPLETE	
157	A-1099-312-A	AC DIF BOARD, COMPLETE (US, CND)	
157	A-1099-313-A	AC DIF BOARD, COMPLETE (AEP)	
157	A-1099-314-A	AC DIF BOARD, COMPLETE (TW)	
157	A-1113-687-A	AC DIF BOARD, COMPLETE (KR, CH)	
158	A-1126-557-A	S-VIDEO BOARD, COMPLETE	
159	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
160	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
161	1-769-944-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP)	
161	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP)	
162	1-693-577-31	TUNER (US, CND)	
162	1-693-578-41	TUNER (AEP)	
162	1-693-641-11	TUNER (TW, KR, CH)	
163	4-974-510-11	SCREW (+BV 3X8 CU)	
164	A-1129-323-A	V3-GND BOARD, COMPLETE	
165	3-314-057-01	CUSHION	
166	1-819-867-11	INLET, AC 2P (NEW TYPE)	
⚠F1	1-532-506-33	FUSE (T6.3AL/250V) (AEP, KR)	
⚠F1	1-576-332-33	FUSE, CYLINDRICAL (TIME LUG)(T10AL/250V) (US, CND, TW)	
⚠F2	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
⚠T1	1-443-658-11	TRANSFORMER, POWER (US, CND)	
⚠T1	1-443-659-11	TRANSFORMER, POWER (AEP, KR, CH)	
⚠T1	1-443-660-11	TRANSFORMER, POWER (TW)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#7	7-685-246-19	SCREW +KTP 3X8 TYPE2 NON-SLIT	

7-5. CHASSIS SECTION-2



Ref. No.	Part No.	Description	Remark
201	A-1099-064-A	DIGITAL BOARD, COMPLETE (US, CND)	
201	A-1099-065-A	DIGITAL BOARD, COMPLETE (AEP)	
201	A-1099-066-A	DIGITAL BOARD, COMPLETE (TW, KR, CH)	
202	3-087-053-01	+BVTP2.6 (3CR)	
203	A-1066-267-A	DSP BOARD, COMPLETE	
204	1-500-037-11	CORE, FERRITE (WITH CASE)	
205	3-655-653-21	BAND (TAITON), BINDING	
206	A-1099-317-A	DC DIF BOARD, COMPLETE (US, CND)	
206	A-1099-318-A	DC DIF BOARD, COMPLETE (AEP)	
206	A-1099-319-A	DC DIF BOARD, COMPLETE (KR, CH)	
206	A-1099-320-A	DC DIF BOARD, COMPLETE (TW)	
207	A-1108-890-A	VIDEO BOARD, COMPLETE	
208	A-1099-050-A	ANALOG BOARD, COMPLETE	
209	A-1099-069-A	FAN BOARD, COMPLETE	
210	3-655-653-11	BAND (TAITON), BINDING	
211	3-704-515-22	SCREW (BV/RING)	
212	4-974-510-11	SCREW (+BV 3X8 CU)	
213	3-314-057-01	CUSHION	
214	1-400-061-11	CORE, FERRITE (CLAMP FILTER)	
⚠F40	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F42	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F50	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F51	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F60	1-532-506-33	FUSE (T2.5AL/250V)	
M5001	1-787-291-11	FAN, D.C	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-6. CHASSIS SECTION-3



Ref. No.	Part No.	Description	Remark
251	3-655-653-21	BAND (TAITON), BINDING	
252	1-469-969-11	CLAMP, FERRITE	
253	1-400-061-11	CORE, FERRITE (CLAMP FILTER)	
254	4-974-510-11	SCREW (+BV 3X8 CU)	
255	4-383-023-01	SPACER, MICA	
256	4-879-937-11	SHEET, MICA	
257	4-947-010-01	SCREW, FEEDER FIXED	
258	A-1099-310-A	SP-TERM COM BOARD, COMPLETE	
259	A-1101-893-A	MOTHER COM BOARD, COMPLETE	
260	3-905-609-13	SCREW (TRANSISTOR)	
261	3-704-515-51	SCREW (BV/RING)	
262	2-546-671-01	SHEET, INSULATING	
263	4-251-318-11	COVER, PROTECTION	
264	3-704-515-22	SCREW (BV/RING)	
265	3-314-057-01	CUSHION	
⚠F841	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F842	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F861	1-532-465-33	FUSE (3.15A/250V)	
Q5313	6-702-390-01	IC MN2488-OPY-MK	
Q5323	6-702-390-01	IC MN2488-OPY-MK	
Q5330	6-550-629-01	TRANSISTOR 2SK1382	
Q5340	6-550-629-01	TRANSISTOR 2SK1382	
THP4401	1-817-728-11	SENSOR, THERMISTOR	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#8	7-685-659-79	SCREW +BVTP 4X8 TYPE2 IT-3	

SECTION 8
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
- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean mode
  TW : Taiwan 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... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- CAPACITORS
  uF: µF
- COILS
  uH: µH

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

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

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

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

Ref. No.	Part No.	Description			Remark
		12V BOARD			
		*********			
		< CAPACITOR >			
C5265	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
		< CONNECTOR >			
* CN5263	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< TRANSISTOR >			
Q5263	8-729-209-15	TRANSISTOR	2SD2012		
		< RESISTOR >			
R5255	1-216-813-11	METAL CHIP	220	5%	1/10W
**********					
	A-1099-312-A	AC DIF BOARD, COMPLETE (US, CND)			
	A-1099-313-A	AC DIF BOARD, COMPLETE (AEP)			
	A-1099-314-A	AC DIF BOARD, COMPLETE (TW)			
	A-1113-687-A	AC DIF BOARD, COMPLETE (KR, CH)			
		**********			
	1-533-189-11	FUSE HOLDER			
	1-533-217-41	HOLDER, FUSE (AEP)			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
⚠C1	1-113-925-11	CERAMIC	0.01uF	20%	250V
⚠C2	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, AEP)
⚠C3	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, AEP)
⚠C4	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, AEP)
C11	1-137-438-11	MYLAR	0.0082uF	5%	50V
C12	1-136-357-11	FILM	680PF	5%	100V
C13	1-112-093-11	ELECT	2200uF	20%	25V
C14	1-112-425-11	ELECT	6800uF	20%	25V
C15	1-137-150-11	FILM	0.01uF	5%	100V
C16	1-126-960-11	ELECT	1uF	20%	50V
C18	1-112-082-11	ELECT	4700uF	20%	10V
⚠C19	1-113-511-11	FILM	0.47uF	20%	275V
⚠C20	1-113-920-11	CERAMIC	0.0022uF	20%	250V (US, CND, TW)
⚠C21	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C22	1-115-165-11	FILM	0.1uF	20%	275V
⚠C23	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C24	1-113-920-11	CERAMIC	0.0022uF	20%	250V
C25	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C26	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C28	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
		< CONNECTOR >			
⚠CN2	1-251-718-11	OUTLET (2 GANG), AC (US, CND)			
⚠CN2	1-785-285-11	OUTLET, AC (1P) (AEP)			
CN14	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN17	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< DIODE >			
D11	8-719-066-98	DIODE	RB051L-40TE25		
D12	8-719-066-98	DIODE	RB051L-40TE25		
D13	8-719-988-61	DIODE	1SS355TE-17		
D14	8-719-988-61	DIODE	1SS355TE-17		
D15	8-719-066-98	DIODE	RB051L-40TE25		
D16	8-719-066-98	DIODE	RB051L-40TE25		
D18	8-719-053-18	DIODE	1SR154-400TE-25		
D19	8-719-988-61	DIODE	1SS355TE-17		
		< EARTH TERMINAL >			
EP12	1-537-770-21	TERMINAL BOARD, GROUND			
		< IC >			
IC12	8-759-450-47	IC	BA05T		
		< LINE FILTER >			
⚠LF1	1-456-574-11	INDUCTOR	1.2mH		
⚠LF2	1-456-572-11	INDUCTOR	3.3mH (US, CND, TW)		
⚠LF2	1-456-573-11	INDUCTOR	8.2mH (AEP, KR, CH)		
		< TRANSISTOR >			
Q12	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q13	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q14	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q15	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q16	8-729-140-93	TRANSISTOR	2SB733-34		

STR-DA7100ES

Ver. 1.2

AC DIF **AC INLET** **ANALOG**

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R13	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R14	1-216-085-00	RES-CHIP	33K	5%	1/10W
R16	1-216-081-00	RES-CHIP	22K	5%	1/10W
R17	1-216-073-00	RES-CHIP	10K	5%	1/10W
R18	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R19	1-216-073-00	RES-CHIP	10K	5%	1/10W
R20	1-216-073-00	RES-CHIP	10K	5%	1/10W
R21	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R22	1-216-041-00	RES-CHIP	470	5%	1/10W
R23	1-216-073-00	RES-CHIP	10K	5%	1/10W
R24	1-249-389-11	CARBON	4.7	5%	1/4W
⚠R27	1-219-237-11	SOLID	3.3M	20%	1/2W F
		< RELAY >			
⚠RY2	1-755-266-11	RELAY, AC POWER			
		< TRANSFORMER >			
⚠T2	1-435-162-21	TRANSFORMER, POWER (US, CND)			
⚠T2	1-435-163-21	TRANSFORMER, POWER (AEP, KR, CH)			
⚠T2	1-437-477-12	TRANSFORMER, POWER (TW)			
**********					
		AC INLET BOARD (FORMER TYPE)			
		**********			
		< CONNECTOR >			
⚠CN1	1-818-979-11	INLET, AC (2P) (~AC IN) (FORMER TYPE)			
* CN16	1-695-044-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
**********					
	A-1099-050-A	ANALOG BOARD, COMPLETE			
		**********			
		< CAPACITOR/JUMPER RESISTOR >			
C101	1-112-114-11	ELECT	22uF	20%	50V
C121	1-112-114-11	ELECT	22uF	20%	50V
C122	1-112-097-11	ELECT	2.2uF	20%	50V
C142	1-112-097-11	ELECT	2.2uF	20%	50V
C161	1-112-114-11	ELECT	22uF	20%	50V
C162	1-112-097-11	ELECT	2.2uF	20%	50V
C182	1-112-097-11	ELECT	2.2uF	20%	50V
C201	1-112-114-11	ELECT	22uF	20%	50V
C221	1-112-114-11	ELECT	22uF	20%	50V
C222	1-112-097-11	ELECT	2.2uF	20%	50V
C242	1-112-097-11	ELECT	2.2uF	20%	50V
C261	1-112-114-11	ELECT	22uF	20%	50V
C262	1-112-097-11	ELECT	2.2uF	20%	50V
C282	1-112-097-11	ELECT	2.2uF	20%	50V
C301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C302	1-117-681-11	ELECT CHIP	100uF	20%	16V
C303	1-117-681-11	ELECT CHIP	100uF	20%	16V
C304	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C305	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C321	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C322	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C323	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C324	1-163-025-11	CERAMIC CHIP	0.001uF		50V

Ref. No.	Part No.	Description			Remark
C341	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C342	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C343	1-112-083-11	ELECT	100uF	20%	16V
C344	1-112-083-11	ELECT	100uF	20%	16V
C345	1-112-083-11	ELECT	100uF	20%	16V
C346	1-112-083-11	ELECT	100uF	20%	16V
C361	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C362	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C363	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C364	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C381	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C382	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C401	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C402	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C403	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C404	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C411	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C412	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C413	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C415	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C416	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C417	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C418	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C419	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C420	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C421	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C422	1-112-114-11	ELECT	22uF	20%	50V
C423	1-112-114-11	ELECT	22uF	20%	50V
C424	1-112-114-11	ELECT	22uF	20%	50V
C425	1-112-114-11	ELECT	22uF	20%	50V
C431	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C432	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C433	1-112-097-11	ELECT	2.2uF	20%	50V
C434	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C435	1-112-084-11	ELECT	470uF	20%	16V
C436	1-125-896-11	MYLAR	0.0091uF	5%	50V
C437	1-136-159-00	MYLAR	0.033uF	5%	50V
C438	1-112-097-11	ELECT	2.2uF	20%	50V
C441	1-126-965-11	ELECT	22uF	20%	50V
C446	1-126-965-11	ELECT	22uF	20%	50V
C451	1-126-965-11	ELECT	22uF	20%	50V
C456	1-126-965-11	ELECT	22uF	20%	50V
C472	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C485	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C486	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C487	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C488	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C497	1-117-681-11	ELECT CHIP	100uF	20%	16V
C498	1-112-083-11	ELECT	100uF	20%	16V
C499	1-112-083-11	ELECT	100uF	20%	16V
C501	1-163-139-00	CERAMIC CHIP		5%	50V
C502	1-163-139-00	CERAMIC CHIP		5%	50V
C503	1-163-139-00	CERAMIC CHIP		5%	50V
C504	1-163-139-00	CERAMIC CHIP		5%	50V
C511	1-163-139-00	CERAMIC CHIP		5%	50V
C512	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

Ref. No.	Part No.	Description			Remark
C513	1-163-139-00	CERAMIC CHIP		5%	50V
C514	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C515	1-163-139-00	CERAMIC CHIP		5%	50V
C516	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C517	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C518	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C519	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C520	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C521	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C522	1-126-965-11	ELECT	22uF	20%	50V
C523	1-126-965-11	ELECT	22uF	20%	50V
C524	1-126-965-11	ELECT	22uF	20%	50V
C525	1-126-965-11	ELECT	22uF	20%	50V
C531	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C532	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C533	1-112-097-11	ELECT	2.2uF	20%	50V
C534	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C535	1-112-084-11	ELECT	470uF	20%	16V
C536	1-125-896-11	MYLAR	0.0091uF	5%	50V
C537	1-136-159-00	MYLAR	0.033uF	5%	50V
C538	1-112-097-11	ELECT	2.2uF	20%	50V
C541	1-112-114-11	ELECT	22uF	20%	50V
C546	1-112-114-11	ELECT	22uF	20%	50V
C551	1-112-114-11	ELECT	22uF	20%	50V
C556	1-112-114-11	ELECT	22uF	20%	50V
C572	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C585	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C586	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C587	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C588	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C597	1-117-681-11	ELECT CHIP	100uF	20%	16V
C598	1-112-083-11	ELECT	100uF	20%	16V
C599	1-112-083-11	ELECT	100uF	20%	16V
C601	1-216-295-00	SHORT CHIP	0		
C602	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C603	1-216-295-00	SHORT CHIP	0		
C611	1-216-295-00	SHORT CHIP	0		
C612	1-216-295-00	SHORT CHIP	0		
C613	1-216-295-00	SHORT CHIP	0		
C614	1-216-295-00	SHORT CHIP	0		
C615	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C616	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C617	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C618	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C619	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C620	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C621	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C622	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C623	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C624	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C625	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C626	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C627	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C628	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C629	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C630	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C631	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C632	1-163-033-00	CERAMIC CHIP	0.022uF		50V

Ref. No.	Part No.	Description			Remark
C633	1-112-089-11	ELECT	47uF	20%	25V
C634	1-112-089-11	ELECT	47uF	20%	25V
C641	1-112-083-11	ELECT	100uF	20%	16V
C642	1-112-083-11	ELECT	100uF	20%	16V
C643	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C644	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C653	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C654	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C661	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C662	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C663	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C664	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C665	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C666	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C667	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C671	1-112-083-11	ELECT	100uF	20%	16V
C672	1-112-083-11	ELECT	100uF	20%	16V
C673	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C674	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C685	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C686	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C687	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C688	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C692	1-112-086-11	ELECT	2200uF	20%	16V
C693	1-112-086-11	ELECT	2200uF	20%	16V
C696	1-112-084-11	ELECT	470uF	20%	16V
C2801	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2805	1-112-083-11	ELECT	100uF	20%	16V
C2806	1-112-083-11	ELECT	100uF	20%	16V
C2813	1-112-114-11	ELECT	22uF	20%	50V
C2814	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2815	1-112-114-11	ELECT	22uF	20%	50V
C2816	1-112-089-11	ELECT	47uF	20%	25V
C2817	1-137-505-11	FILM	220PF	5%	100V
C2818	1-112-114-11	ELECT	22uF	20%	50V
C2819	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2822	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2823	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2824	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2825	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2826	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2827	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2833	1-126-965-11	ELECT	22uF	20%	50V
C2834	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2835	1-126-965-11	ELECT	22uF	20%	50V
C2836	1-126-934-11	ELECT	220uF	20%	16V
C2837	1-137-505-11	FILM	220PF	5%	100V
C2838	1-126-965-11	ELECT	22uF	20%	50V
C2839	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2840	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2841	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2842	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2843	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2851	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2863	1-126-965-11	ELECT	22uF	20%	50V
C2864	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2865	1-126-965-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description			Remark
C2866	1-126-934-11	ELECT	220uF	20%	16V
C2867	1-137-505-11	FILM	220PF	5%	100V
C2868	1-126-965-11	ELECT	22uF	20%	50V
C2869	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2872	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2873	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2874	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2875	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2876	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2877	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2883	1-126-965-11	ELECT	22uF	20%	50V
C2884	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2885	1-126-965-11	ELECT	22uF	20%	50V
C2886	1-126-934-11	ELECT	220uF	20%	16V
C2887	1-137-505-11	FILM	220PF	5%	100V
C2888	1-126-965-11	ELECT	22uF	20%	50V
C2889	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2901	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2913	1-126-965-11	ELECT	22uF	20%	50V
C2914	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2915	1-126-965-11	ELECT	22uF	20%	50V
C2916	1-126-934-11	ELECT	220uF	20%	16V
C2917	1-137-505-11	FILM	220PF	5%	100V
C2918	1-126-965-11	ELECT	22uF	20%	50V
C2919	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2922	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2923	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2924	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2925	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2926	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2927	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2933	1-126-965-11	ELECT	22uF	20%	50V
C2934	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2935	1-126-965-11	ELECT	22uF	20%	50V
C2936	1-126-934-11	ELECT	220uF	20%	16V
C2937	1-137-505-11	FILM	220PF	5%	100V
C2938	1-126-965-11	ELECT	22uF	20%	50V
C2939	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2951	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2963	1-126-965-11	ELECT	22uF	20%	50V
C2964	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2965	1-126-965-11	ELECT	22uF	20%	50V
C2966	1-126-934-11	ELECT	220uF	20%	16V
C2967	1-137-505-11	FILM	220PF	5%	100V
C2968	1-126-965-11	ELECT	22uF	20%	50V
C2969	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2972	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2973	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2974	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C2975	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2976	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2977	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2983	1-126-965-11	ELECT	22uF	20%	50V
C2984	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C2985	1-126-965-11	ELECT	22uF	20%	50V
C2986	1-126-934-11	ELECT	220uF	20%	16V
C2987	1-137-505-11	FILM	220PF	5%	100V
C2988	1-126-965-11	ELECT	22uF	20%	50V

Ref. No.	Part No.	Description			Remark
C2989	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN601	1-779-978-11	PIN, CONNECTOR 3P			
CN602	1-784-925-11	PIN, CONNECTOR 10P			
CN603	1-784-930-11	PIN, CONNECTOR 15P			
CN604	1-784-928-11	PIN, CONNECTOR 13P			
CN606	1-784-921-11	PIN, CONNECTOR 4P			
		< DIODE >			
D301	8-719-988-61	DIODE 1SS355TE-17			
D641	8-719-988-61	DIODE 1SS355TE-17			
D651	8-719-988-61	DIODE 1SS355TE-17			
D2801	8-719-988-61	DIODE 1SS355TE-17			
D2851	8-719-988-61	DIODE 1SS355TE-17			
D2901	8-719-988-61	DIODE 1SS355TE-17			
D2951	8-719-988-61	DIODE 1SS355TE-17			
		< EARTH TERMINAL >			
* EPT601	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC301	8-759-710-97	IC NJM4565M-D			
IC302	8-759-710-97	IC NJM4565M-D			
IC321	8-759-710-97	IC NJM4565M-D			
IC322	8-759-710-97	IC NJM4565M-D			
IC341	8-759-710-97	IC NJM4565M-D			
IC361	8-759-710-97	IC NJM4565M-D			
IC362	8-759-710-97	IC NJM4565M-D			
IC381	8-759-710-97	IC NJM4565M-D			
IC401	8-759-835-78	IC TC9274N-015			
IC501	8-759-835-78	IC TC9274N-015			
IC601	8-759-582-66	IC TC9273N-013			
IC611	8-759-710-97	IC NJM4565M-D			
IC612	8-759-710-97	IC NJM4565M-D			
IC613	8-759-710-97	IC NJM4565M-D			
IC614	8-759-710-97	IC NJM4565M-D			
IC615	8-759-710-97	IC NJM4565M-D			
IC616	8-759-710-97	IC NJM4565M-D			
IC617	8-759-710-97	IC NJM4565M-D			
IC618	8-759-710-97	IC NJM4565M-D			
IC619	8-759-710-97	IC NJM4565M-D			
IC620	8-759-710-97	IC NJM4565M-D			
IC621	8-759-710-97	IC NJM4565M-D			
IC643	8-759-710-97	IC NJM4565M-D			
IC653	8-759-710-97	IC NJM4565M-D			
IC671	8-759-710-97	IC NJM4565M-D			
IC2812	6-702-387-01	IC CXD9725M			
IC2813	8-759-710-97	IC NJM4565M-D			
IC2862	6-702-387-01	IC CXD9725M			
IC2863	8-759-710-97	IC NJM4565M-D			
IC2912	6-702-387-01	IC CXD9725M			
IC2913	8-759-710-97	IC NJM4565M-D			
IC2962	6-702-387-01	IC CXD9725M			
IC2963	8-759-710-97	IC NJM4565M-D			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J601	1-778-517-11	JACK, PIN 6P (MULTI CHANNEL INPUT FRONT, SURROUND, SURR BACK)			
J602	1-785-795-11	JACK, PIN 2P (MULTI CHANNEL INPUT CENTER, SUB WOOFER)			
J605	1-778-517-11	JACK, PIN 6P (PHONO IN, SA-CD/CD IN, MD/DAT OUT)			
J606	1-778-517-11	JACK, PIN 6P (MD/DAT IN, TAPE IN/OUT)			
J607	1-778-517-11	JACK, PIN 6P (TV/SAT AUDIO IN, DVD AUDIO IN, VIDEO 2 AUDIO OUT)			
J608	1-778-517-11	JACK, PIN 6P (VIDEO 2 AUDIO IN, VIDEO 1 AUDIO IN/OUT)			
J609	1-784-934-11	JACK, PIN 4P (2ND ZONE/3RD ZONE AUDIO OUT)			
J2915	1-785-795-11	JACK, PIN 2P (PRE OUT CENTER, SUB WOOFER)			
J2975	1-778-517-11	JACK, PIN 6P (PRE OUT FRONT, SURROUND, SURR BACK)			
		< JUMPER RESISTOR >			
JW671	1-216-295-00	SHORT CHIP	0		
		< TRANSISTOR >			
Q301	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q651	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q661	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2801	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2851	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2901	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q2951	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R101	1-216-073-00	RES-CHIP	10K	5%	1/10W
R102	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R103	1-216-079-00	RES-CHIP	18K	5%	1/10W
R104	1-216-033-00	RES-CHIP	220	5%	1/10W
R121	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R122	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R123	1-216-238-00	RES-CHIP	47K	2%	1/8W
R141	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R142	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R161	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R162	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R163	1-216-238-00	RES-CHIP	47K	2%	1/8W
R181	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R182	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R201	1-216-073-00	RES-CHIP	10K	5%	1/10W
R202	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R203	1-216-079-00	RES-CHIP	18K	5%	1/10W
R204	1-216-033-00	RES-CHIP	220	5%	1/10W
R221	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R222	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R223	1-216-238-00	RES-CHIP	47K	2%	1/8W
R241	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R242	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R261	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R262	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R263	1-216-238-00	RES-CHIP	47K	2%	1/8W
R281	1-208-491-11	RES-CHIP	1.6K	2%	1/8W
R282	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R301	1-249-393-11	CARBON	10	5%	1/4W
R302	1-216-073-00	RES-CHIP	10K	5%	1/10W
R303	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R401	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R402	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R403	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R404	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R405	1-216-238-00	RES-CHIP	47K	2%	1/8W
R406	1-216-238-00	RES-CHIP	47K	2%	1/8W
R407	1-216-238-00	RES-CHIP	47K	2%	1/8W
R408	1-216-238-00	RES-CHIP	47K	2%	1/8W
R411	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R412	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R413	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R414	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R415	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R416	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R417	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R418	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R419	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R420	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R421	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R422	1-216-238-00	RES-CHIP	47K	2%	1/8W
R423	1-216-238-00	RES-CHIP	47K	2%	1/8W
R424	1-216-230-00	RES-CHIP	22K	2%	1/8W
R425	1-216-230-00	RES-CHIP	22K	2%	1/8W
R426	1-216-230-00	RES-CHIP	22K	2%	1/8W
R427	1-216-238-00	RES-CHIP	47K	2%	1/8W
R428	1-216-238-00	RES-CHIP	47K	2%	1/8W
R431	1-216-206-00	RES-CHIP	2.2K	2%	1/8W
R432	1-216-246-00	RES-CHIP	100K	2%	1/8W
R433	1-216-246-00	RES-CHIP	100K	2%	1/8W
R434	1-208-419-11	RES-CHIP	180	2%	1/8W
R435	1-208-508-11	RES-CHIP	8.2K	2%	1/8W
R436	1-216-246-00	RES-CHIP	100K	2%	1/8W
R437	1-216-174-00	RES-CHIP	100	2%	1/8W
R438	1-216-246-00	RES-CHIP	100K	2%	1/8W
R439	1-216-190-00	RES-CHIP	470	2%	1/8W
R443	1-216-238-00	RES-CHIP	47K	2%	1/8W
R444	1-216-246-00	RES-CHIP	100K	2%	1/8W
R445	1-216-174-00	RES-CHIP	100	2%	1/8W
R446	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R447	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R453	1-216-238-00	RES-CHIP	47K	2%	1/8W
R454	1-216-246-00	RES-CHIP	100K	2%	1/8W
R455	1-216-174-00	RES-CHIP	100	2%	1/8W
R456	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R457	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R461	1-216-222-00	RES-CHIP	10K	2%	1/8W
R462	1-216-222-00	RES-CHIP	10K	2%	1/8W
R463	1-216-222-00	RES-CHIP	10K	2%	1/8W
R464	1-216-222-00	RES-CHIP	10K	2%	1/8W
R471	1-216-238-00	RES-CHIP	47K	2%	1/8W
R485	1-216-013-00	RES-CHIP	33	5%	1/10W
R486	1-216-013-00	RES-CHIP	33	5%	1/10W
R487	1-216-025-11	RES-CHIP	100	5%	1/10W

ANALOG

Ref. No.	Part No.	Description			Remark
R488	1-216-025-11	RES-CHIP	100	5%	1/10W
R489	1-216-025-11	RES-CHIP	100	5%	1/10W
R491	1-216-246-00	RES-CHIP	100K	2%	1/8W
R492	1-216-246-00	RES-CHIP	100K	2%	1/8W
R493	1-216-246-00	RES-CHIP	100K	2%	1/8W
R494	1-216-246-00	RES-CHIP	100K	2%	1/8W
R501	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R502	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R503	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R504	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R505	1-216-238-00	RES-CHIP	47K	2%	1/8W
R506	1-216-238-00	RES-CHIP	47K	2%	1/8W
R507	1-216-238-00	RES-CHIP	47K	2%	1/8W
R508	1-216-238-00	RES-CHIP	47K	2%	1/8W
R511	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R512	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R513	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R514	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R515	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R516	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R517	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R518	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R519	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R520	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R521	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R522	1-216-238-00	RES-CHIP	47K	2%	1/8W
R523	1-216-238-00	RES-CHIP	47K	2%	1/8W
R524	1-216-230-00	RES-CHIP	22K	2%	1/8W
R525	1-216-230-00	RES-CHIP	22K	2%	1/8W
R526	1-216-230-00	RES-CHIP	22K	2%	1/8W
R527	1-216-238-00	RES-CHIP	47K	2%	1/8W
R528	1-216-238-00	RES-CHIP	47K	2%	1/8W
R531	1-216-206-00	RES-CHIP	2.2K	2%	1/8W
R532	1-216-246-00	RES-CHIP	100K	2%	1/8W
R533	1-216-246-00	RES-CHIP	100K	2%	1/8W
R534	1-208-419-11	RES-CHIP	180	2%	1/8W
R535	1-208-508-11	RES-CHIP	8.2K	2%	1/8W
R536	1-216-246-00	RES-CHIP	100K	2%	1/8W
R537	1-216-174-00	RES-CHIP	100	2%	1/8W
R538	1-216-246-00	RES-CHIP	100K	2%	1/8W
R539	1-216-190-00	RES-CHIP	470	2%	1/8W
R543	1-216-238-00	RES-CHIP	47K	2%	1/8W
R544	1-216-246-00	RES-CHIP	100K	2%	1/8W
R545	1-216-174-00	RES-CHIP	100	2%	1/8W
R546	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R547	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R553	1-216-238-00	RES-CHIP	47K	2%	1/8W
R554	1-216-246-00	RES-CHIP	100K	2%	1/8W
R555	1-216-174-00	RES-CHIP	100	2%	1/8W
R556	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R557	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
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
R571	1-216-238-00	RES-CHIP	47K	2%	1/8W
R585	1-216-013-00	RES-CHIP	33	5%	1/10W
R586	1-216-013-00	RES-CHIP	33	5%	1/10W
R587	1-216-025-11	RES-CHIP	100	5%	1/10W
R588	1-216-025-11	RES-CHIP	100	5%	1/10W
R589	1-216-025-11	RES-CHIP	100	5%	1/10W
R591	1-216-246-00	RES-CHIP	100K	2%	1/8W
R592	1-216-246-00	RES-CHIP	100K	2%	1/8W
R593	1-216-246-00	RES-CHIP	100K	2%	1/8W
R594	1-216-246-00	RES-CHIP	100K	2%	1/8W
R632	1-216-073-00	RES-CHIP	10K	5%	1/10W
R633	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R634	1-216-182-00	RES-CHIP	220	2%	1/8W
R635	1-216-182-00	RES-CHIP	220	2%	1/8W
⚠R646	1-249-393-11	CARBON	10	5%	1/4W F
⚠R656	1-249-393-11	CARBON	10	5%	1/4W F
R662	1-216-073-00	RES-CHIP	10K	5%	1/10W
R663	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R685	1-216-013-00	RES-CHIP	33	5%	1/10W
R686	1-216-013-00	RES-CHIP	33	5%	1/10W
R687	1-216-025-11	RES-CHIP	100	5%	1/10W
R688	1-216-025-11	RES-CHIP	100	5%	1/10W
R689	1-216-025-11	RES-CHIP	100	5%	1/10W
R2801	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2802	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2804	1-249-393-11	CARBON	10	5%	1/4W
R2805	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2806	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2807	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2808	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2817	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2818	1-216-013-00	RES-CHIP	33	5%	1/10W
R2819	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2820	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2822	1-216-174-00	RES-CHIP	100	2%	1/8W
R2824	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2835	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2837	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2838	1-216-013-00	RES-CHIP	33	5%	1/10W
R2839	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2840	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2842	1-216-174-00	RES-CHIP	100	2%	1/8W
R2844	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2851	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2852	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2854	1-249-393-11	CARBON	10	5%	1/4W
R2855	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2856	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2857	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2858	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2867	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2868	1-216-013-00	RES-CHIP	33	5%	1/10W
R2869	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2870	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2872	1-216-174-00	RES-CHIP	100	2%	1/8W
R2873	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2887	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2888	1-216-013-00	RES-CHIP	33	5%	1/10W
R2889	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2890	1-216-246-00	RES-CHIP	100K	2%	1/8W

Ref. No.	Part No.	Description			Remark
R2892	1-216-174-00	RES-CHIP	100	2%	1/8W
R2893	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2901	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2902	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2904	1-249-393-11	CARBON	10	5%	1/4W
R2905	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2906	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2907	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2908	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2917	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2918	1-216-013-00	RES-CHIP	33	5%	1/10W
R2919	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2920	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2922	1-216-174-00	RES-CHIP	100	2%	1/8W
R2923	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2937	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2938	1-216-013-00	RES-CHIP	33	5%	1/10W
R2939	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2940	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2942	1-216-174-00	RES-CHIP	100	2%	1/8W
R2943	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2951	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2952	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R2954	1-249-393-11	CARBON	10	5%	1/4W
R2956	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2957	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2958	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2967	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2968	1-216-013-00	RES-CHIP	33	5%	1/10W
R2969	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2970	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2972	1-216-174-00	RES-CHIP	100	2%	1/8W
R2973	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2987	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2988	1-216-013-00	RES-CHIP	33	5%	1/10W
R2989	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2990	1-216-246-00	RES-CHIP	100K	2%	1/8W
R2992	1-216-174-00	RES-CHIP	100	2%	1/8W
R2993	1-208-782-11	METAL CHIP	1K	0.5%	1/10W

< RELAY >

RY301	1-755-486-11	RELAY			
RY641	1-755-486-11	RELAY			
RY651	1-755-486-11	RELAY			
RY2801	1-755-486-11	RELAY			
RY2851	1-755-486-11	RELAY			
RY2901	1-755-486-11	RELAY			
RY2951	1-755-486-11	RELAY			

****

CIS BOARD

****

< CAPACITOR/JUMPER RESISTOR >

C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-126-961-11	ELECT	2.2uF	20%	50V
C804	1-126-947-11	ELECT	47uF	20%	35V
C805	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C821	1-126-960-11	ELECT	1uF	20%	50V
C831	1-126-960-11	ELECT	1uF	20%	50V
C841	1-126-960-11	ELECT	1uF	20%	50V
C851	1-126-767-11	ELECT	1000uF	20%	16V
C852	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C861	1-216-864-11	SHORT CHIP	0		
C862	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C863	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C864	1-126-963-11	ELECT	4.7uF	20%	50V
C865	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C866	1-216-864-11	SHORT CHIP	0		
C867	1-216-864-11	SHORT CHIP	0		
C868	1-216-864-11	SHORT CHIP	0		

< CONNECTOR >

CN801	1-568-826-11	CONNECTOR, FFC 7P			
CN851	1-564-506-11	PLUG, CONNECTOR 3P			

< DIODE >

D801	8-719-988-61	DIODE 1SS355TE-17			
D802	8-719-075-86	DIODE SID307BRTP19			
D803	8-719-988-61	DIODE 1SS355TE-17			

< IC >

IC801	8-759-827-69	IC NJL63H400A-1			
IC802	8-759-564-49	IC TC7W53FU (TE12R)			
IC861	8-759-470-63	IC NJM2145M-TE2			

< JACK >

J801	1-563-330-31	JACK (IR REMOTE IR IN)			
J802	1-563-330-31	JACK (IR REMOTE IR OUT 1)			
J803	1-563-330-31	JACK (IR REMOTE IR OUT 2)			
J821	1-563-330-31	JACK (TRIGGER OUT 3RD ZONE)			
J831	1-563-330-31	JACK (TRIGGER OUT 2ND ZONE)			
J841	1-563-330-31	JACK (TRIGGER OUT MAIN)			
J861	1-563-330-31	JACK (CTRL S OUT)			
J862	1-563-330-31	JACK (CTRL S IN)			

< JUMPER RESISTOR >

JW861	1-216-864-11	SHORT CHIP	0		

< TRANSISTOR >

Q821	8-729-140-93	TRANSISTOR	2SB733-34		
Q822	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q831	8-729-140-93	TRANSISTOR	2SB733-34		
Q832	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q841	8-729-140-93	TRANSISTOR	2SB733-34		
Q842	8-729-027-43	TRANSISTOR	DTC114EKA-T146		

< RESISTOR/THERMISTOR >

R801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R802	1-216-797-11	METAL CHIP	10	5%	1/10W
R803	1-216-845-11	METAL CHIP	100K	5%	1/10W
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W
R805	1-216-845-11	METAL CHIP	100K	5%	1/10W

CIS CONECT D-AMP

Ref. No.	Part No.	Description			Remark
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R821	1-801-726-11	THERMISTOR, POSITIVE			
R822	1-216-833-11	METAL CHIP	10K	5%	1/10W
R823	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R824	1-216-833-11	METAL CHIP	10K	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/10W
R831	1-801-726-11	THERMISTOR, POSITIVE			
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R833	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R835	1-216-809-11	METAL CHIP	100	5%	1/10W
R841	1-801-726-11	THERMISTOR, POSITIVE			
R842	1-216-833-11	METAL CHIP	10K	5%	1/10W
R843	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R844	1-216-833-11	METAL CHIP	10K	5%	1/10W
R845	1-216-809-11	METAL CHIP	100	5%	1/10W
R861	1-216-821-11	METAL CHIP	1K	5%	1/10W
R862	1-216-821-11	METAL CHIP	1K	5%	1/10W
R863	1-216-821-11	METAL CHIP	1K	5%	1/10W
R864	1-216-821-11	METAL CHIP	1K	5%	1/10W
R865	1-216-821-11	METAL CHIP	1K	5%	1/10W

****

CONECT BOARD
****

< CONNECTOR >

CNP301	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P	
CNP302	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P	
CNR207	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P	
CNR208	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P	

****

A-1099-055-A D-AMP BOARD, COMPLETE
****

< CAPACITOR >

C1401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1402	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1403	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1405	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1406	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1408	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1410	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1411	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1412	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1413	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1414	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1415	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1417	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1418	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1419	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1420	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1421	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1422	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1423	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1424	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1425	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1426	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1427	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1428	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1429	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1430	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1432	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1433	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1434	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1435	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1436	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1437	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1438	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1440	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1441	1-112-159-11	ELECT	470uF	20%	100V
C1442	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1444	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1445	1-112-177-11	ELECT	330uF	20%	16V
C1446	1-100-722-21	ELECT	470uF	20%	6.3V
C1447	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1448	1-100-722-21	ELECT	470uF	20%	6.3V
C1449	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1450	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1451	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1452	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1453	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1454	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1455	1-100-722-21	ELECT	470uF	20%	6.3V
C1456	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1457	1-112-159-11	ELECT	470uF	20%	100V
C1458	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1459	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1460	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1461	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1462	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1463	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1464	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1465	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1466	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1467	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1468	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1469	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1470	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1471	1-112-159-11	ELECT	470uF	20%	100V
C1473	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1474	1-126-947-11	ELECT	47uF	20%	35V
C1475	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1476	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1477	1-100-722-21	ELECT	470uF	20%	6.3V
C1478	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1479	1-112-177-11	ELECT	330uF	20%	16V
C1480	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1481	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1482	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1483	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1484	1-112-159-11	ELECT	470uF	20%	100V

Ref. No.	Part No.	Description			Remark
C1485	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1486	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1487	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1488	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C1489	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1490	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1491	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1492	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1493	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1494	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1495	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1496	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1498	1-112-159-11	ELECT	470uF	20%	100V
C1499	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1500	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1502	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1503	1-100-722-21	ELECT	470uF	20%	6.3V
C1504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1505	1-112-177-11	ELECT	330uF	20%	16V
C1506	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1507	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1508	1-100-722-21	ELECT	470uF	20%	6.3V
C1509	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1510	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1511	1-100-722-21	ELECT	470uF	20%	6.3V
C1512	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1513	1-112-159-11	ELECT	470uF	20%	100V
C1514	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1515	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1516	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1517	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1518	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1519	1-100-722-21	ELECT	470uF	20%	6.3V
C1520	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1521	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1522	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1523	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1524	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1525	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1526	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1527	1-112-159-11	ELECT	470uF	20%	100V
C1529	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1530	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1531	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1532	1-112-177-11	ELECT	330uF	20%	16V
C1533	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1534	1-100-722-21	ELECT	470uF	20%	6.3V
C1535	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1536	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1537	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1538	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1539	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1540	1-112-159-11	ELECT	470uF	20%	100V
C1541	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1542	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1543	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1544	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1546	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1547	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1548	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1549	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1550	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1551	1-112-159-11	ELECT	470uF	20%	100V
C1553	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1554	1-112-177-11	ELECT	330uF	20%	16V
C1555	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1557	1-100-722-21	ELECT	470uF	20%	6.3V
C1558	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1559	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1560	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1561	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1562	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1563	1-100-722-21	ELECT	470uF	20%	6.3V
C1564	1-100-722-21	ELECT	470uF	20%	6.3V
C1565	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1568	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1569	1-112-159-11	ELECT	470uF	20%	100V
C1570	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1571	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1572	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1573	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1574	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1575	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1576	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1577	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1578	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1579	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1580	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1581	1-112-159-11	ELECT	470uF	20%	100V
C1583	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1584	1-112-177-11	ELECT	330uF	20%	16V
C1585	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1586	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1587	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1588	1-100-722-21	ELECT	470uF	20%	6.3V
C1589	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1590	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1591	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1592	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1593	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1594	1-112-159-11	ELECT	470uF	20%	100V
C1595	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1596	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1597	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1598	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1599	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1600	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1601	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1602	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1603	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V

D-AMP

Ref. No.	Part No.	Description			Remark
C1604	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1605	1-112-159-11	ELECT	470uF	20%	100V
C1608	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1609	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1610	1-112-177-11	ELECT	330uF	20%	16V
C1611	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1612	1-100-722-21	ELECT	470uF	20%	6.3V
C1613	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1614	1-100-722-21	ELECT	470uF	20%	6.3V
C1615	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1616	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1617	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1618	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1619	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1620	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1621	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1622	1-100-722-21	ELECT	470uF	20%	6.3V
C1623	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1624	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1625	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1626	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1627	1-112-159-11	ELECT	470uF	20%	100V
C1628	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1629	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1630	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1631	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1632	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1633	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1634	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1635	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1636	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1637	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1638	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1716	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1717	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1718	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1719	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1720	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1721	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1722	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1723	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1724	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1725	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1726	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1727	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1728	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1729	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN1403	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
CN1405	1-794-004-11	CONNECTOR 17P			
CN1406	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
* CN1410	1-770-727-11	CONNECTOR, BOARD TO BOARD 8P			
CN1411	1-770-731-11	CONNECTOR, BOARD TO BOARD 12P			
CN1503	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
CN1504	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D1401	8-719-210-39	DIODE EC10QS-04	
D1403	6-501-050-01	DIODE SD833-09-TE12R	
D1404	6-501-050-01	DIODE SD833-09-TE12R	
D1405	6-501-050-01	DIODE SD833-09-TE12R	
D1406	6-501-050-01	DIODE SD833-09-TE12R	
D1407	8-719-210-39	DIODE EC10QS-04	
D1409	8-719-210-39	DIODE EC10QS-04	
D1411	6-501-050-01	DIODE SD833-09-TE12R	
D1412	6-501-050-01	DIODE SD833-09-TE12R	
D1413	6-501-050-01	DIODE SD833-09-TE12R	
D1414	6-501-050-01	DIODE SD833-09-TE12R	
D1415	6-500-219-01	DIODE 1SS404 (TPH3)	
D1416	8-719-988-61	DIODE 1SS355TE-17	
D1417	8-719-210-39	DIODE EC10QS-04	
D1419	8-719-210-39	DIODE EC10QS-04	
D1421	6-501-050-01	DIODE SD833-09-TE12R	
D1422	6-501-050-01	DIODE SD833-09-TE12R	
D1423	6-501-050-01	DIODE SD833-09-TE12R	
D1424	6-501-050-01	DIODE SD833-09-TE12R	
D1425	8-719-210-39	DIODE EC10QS-04	
D1427	8-719-210-39	DIODE EC10QS-04	
D1429	6-501-050-01	DIODE SD833-09-TE12R	
D1430	6-501-050-01	DIODE SD833-09-TE12R	
D1431	6-501-050-01	DIODE SD833-09-TE12R	
D1432	6-501-050-01	DIODE SD833-09-TE12R	
D1434	8-719-210-39	DIODE EC10QS-04	
D1436	6-501-050-01	DIODE SD833-09-TE12R	
D1437	6-501-050-01	DIODE SD833-09-TE12R	
D1438	6-501-050-01	DIODE SD833-09-TE12R	
D1439	6-501-050-01	DIODE SD833-09-TE12R	
D1440	8-719-210-39	DIODE EC10QS-04	
D1442	8-719-210-39	DIODE EC10QS-04	
D1444	6-501-050-01	DIODE SD833-09-TE12R	
D1445	6-501-050-01	DIODE SD833-09-TE12R	
D1446	6-501-050-01	DIODE SD833-09-TE12R	
D1447	6-501-050-01	DIODE SD833-09-TE12R	
D1448	8-719-210-39	DIODE EC10QS-04	
D1450	8-719-210-39	DIODE EC10QS-04	
D1452	6-501-050-01	DIODE SD833-09-TE12R	
D1453	6-501-050-01	DIODE SD833-09-TE12R	
D1454	6-501-050-01	DIODE SD833-09-TE12R	
D1455	6-501-050-01	DIODE SD833-09-TE12R	
D1456	8-719-210-39	DIODE EC10QS-04	
D1458	8-719-210-39	DIODE EC10QS-04	
D1529	8-719-988-61	DIODE 1SS355TE-17	
D1530	8-719-988-61	DIODE 1SS355TE-17	
D1531	8-719-988-61	DIODE 1SS355TE-17	
D1532	8-719-988-61	DIODE 1SS355TE-17	
D1533	8-719-988-61	DIODE 1SS355TE-17	
D1534	8-719-988-61	DIODE 1SS355TE-17	
D1535	8-719-988-61	DIODE 1SS355TE-17	
D1536	8-719-988-61	DIODE 1SS355TE-17	
D1537	8-719-988-61	DIODE 1SS355TE-17	
D1538	8-719-988-61	DIODE 1SS355TE-17	
D1539	8-719-988-61	DIODE 1SS355TE-17	
D1540	8-719-988-61	DIODE 1SS355TE-17	

Ref. No.	Part No.	Description	Remark
D1541	8-719-988-61	DIODE 1SS355TE-17	
D1542	8-719-988-61	DIODE 1SS355TE-17	
		< EARTH TERMINAL >	
* EP1401	1-537-738-21	TERMINAL, EARTH	
* EP1402	1-537-738-21	TERMINAL, EARTH	
* EP1403	1-537-738-21	TERMINAL, EARTH	
* EP1404	1-537-738-21	TERMINAL, EARTH	
* EP1405	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD >	
FB1403	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1404	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1405	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1406	1-414-813-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC1401	8-759-832-05	IC BA18BC0FP-E2	
IC1402	6-705-817-01	IC CXD9773AQ	
IC1405	8-759-538-95	IC TC74LVX08FT (EL)	
IC1406	8-759-538-95	IC TC74LVX08FT (EL)	
IC1407	6-704-197-01	IC HIP2101IBZT	
IC1408	6-704-197-01	IC HIP2101IBZT	
IC1409	8-759-538-95	IC TC74LVX08FT (EL)	
IC1410	8-759-538-95	IC TC74LVX08FT (EL)	
IC1411	6-704-197-01	IC HIP2101IBZT	
IC1412	6-705-817-01	IC CXD9773AQ	
IC1413	6-704-197-01	IC HIP2101IBZT	
IC1414	8-759-538-95	IC TC74LVX08FT (EL)	
IC1415	8-759-538-95	IC TC74LVX08FT (EL)	
IC1416	6-704-197-01	IC HIP2101IBZT	
IC1417	8-759-524-50	IC TC74VHC541FT (EL)	
IC1418	6-704-197-01	IC HIP2101IBZT	
IC1419	8-759-524-50	IC TC74VHC541FT (EL)	
IC1420	8-759-538-95	IC TC74LVX08FT (EL)	
IC1421	8-759-538-95	IC TC74LVX08FT (EL)	
IC1422	6-705-817-01	IC CXD9773AQ	
IC1423	6-704-197-01	IC HIP2101IBZT	
IC1424	6-704-197-01	IC HIP2101IBZT	
IC1425	8-759-538-95	IC TC74LVX08FT (EL)	
IC1426	8-759-538-95	IC TC74LVX08FT (EL)	
IC1427	6-704-197-01	IC HIP2101IBZT	
IC1428	6-704-197-01	IC HIP2101IBZT	
IC1429	8-759-538-95	IC TC74LVX08FT (EL)	
IC1430	8-759-538-95	IC TC74LVX08FT (EL)	
IC1431	6-704-197-01	IC HIP2101IBZT	
IC1432	6-705-817-01	IC CXD9773AQ	
IC1433	6-704-197-01	IC HIP2101IBZT	
IC1434	8-759-538-95	IC TC74LVX08FT (EL)	
IC1435	8-759-538-95	IC TC74LVX08FT (EL)	
IC1436	6-704-197-01	IC HIP2101IBZT	
IC1437	6-704-197-01	IC HIP2101IBZT	
		< TRANSISTOR >	
Q1401	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1404	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1407	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1410	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1411	8-729-216-31	TRANSISTOR 2SA1163-G	

Ref. No.	Part No.	Description	Remark
Q1412	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1413	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1414	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1415	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1416	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1417	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1418	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1419	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1420	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1421	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1422	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1423	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1424	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1425	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1426	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1427	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1428	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1429	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1430	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1432	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1433	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1434	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1435	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1436	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1437	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1438	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1439	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1440	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1441	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1442	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1443	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1444	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1445	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1446	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1449	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1452	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1455	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1458	8-729-271-31	TRANSISTOR 2SC2713-G	
		< RESISTOR >	
R1401	1-216-864-11	SHORT CHIP 0	
R1402	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1403	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1404	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1405	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1407	1-216-864-11	SHORT CHIP 0	
R1408	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1410	1-216-864-11	SHORT CHIP 0	
R1415	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1416	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1423	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1425	1-216-864-11	SHORT CHIP 0	
R1428	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1429	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1435	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1439	1-216-864-11	SHORT CHIP 0	
R1446	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1448	1-216-809-11	METAL CHIP 100 5% 1/10W	

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

D-AMP

Ref. No.	Part No.	Description			Remark
R1450	1-216-815-11	METAL CHIP	330	5%	1/10W
R1452	1-216-809-11	METAL CHIP	100	5%	1/10W
R1453	1-216-815-11	METAL CHIP	330	5%	1/10W
R1454	1-216-815-11	METAL CHIP	330	5%	1/10W
R1456	1-216-815-11	METAL CHIP	330	5%	1/10W
R1457	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1461	1-216-805-11	METAL CHIP	47	5%	1/10W
R1464	1-216-805-11	METAL CHIP	47	5%	1/10W
R1465	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1466	1-219-685-11	RES-CHIP	0.05	1%	1W
R1470	1-219-685-11	RES-CHIP	0.05	1%	1W
R1472	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1475	1-216-805-11	METAL CHIP	47	5%	1/10W
R1476	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1478	1-216-805-11	METAL CHIP	47	5%	1/10W
R1480	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1487	1-216-809-11	METAL CHIP	100	5%	1/10W
R1488	1-216-815-11	METAL CHIP	330	5%	1/10W
R1489	1-216-815-11	METAL CHIP	330	5%	1/10W
R1490	1-216-815-11	METAL CHIP	330	5%	1/10W
R1491	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1493	1-216-815-11	METAL CHIP	330	5%	1/10W
R1494	1-216-805-11	METAL CHIP	47	5%	1/10W
R1495	1-216-801-11	METAL CHIP	22	5%	1/10W
R1496	1-216-805-11	METAL CHIP	47	5%	1/10W
R1497	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1498	1-219-685-11	RES-CHIP	0.05	1%	1W
R1499	1-219-685-11	RES-CHIP	0.05	1%	1W
R1500	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1501	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1502	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1503	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1504	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1506	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1508	1-216-805-11	METAL CHIP	47	5%	1/10W
R1509	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1510	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1512	1-216-805-11	METAL CHIP	47	5%	1/10W
R1513	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1516	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1517	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1519	1-216-809-11	METAL CHIP	100	5%	1/10W
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1522	1-216-797-11	METAL CHIP	10	5%	1/10W
R1523	1-216-809-11	METAL CHIP	100	5%	1/10W
R1524	1-216-809-11	METAL CHIP	100	5%	1/10W
R1525	1-216-815-11	METAL CHIP	330	5%	1/10W
R1526	1-216-815-11	METAL CHIP	330	5%	1/10W
R1527	1-216-815-11	METAL CHIP	330	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1529	1-216-809-11	METAL CHIP	100	5%	1/10W
R1530	1-216-815-11	METAL CHIP	330	5%	1/10W
R1531	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1532	1-216-809-11	METAL CHIP	100	5%	1/10W
R1533	1-216-809-11	METAL CHIP	100	5%	1/10W
R1534	1-216-805-11	METAL CHIP	47	5%	1/10W
R1535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1536	1-216-805-11	METAL CHIP	47	5%	1/10W
R1537	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1538	1-216-805-11	METAL CHIP	47	5%	1/10W
R1539	1-219-685-11	RES-CHIP	0.05	1%	1W
R1540	1-216-809-11	METAL CHIP	100	5%	1/10W
R1541	1-219-685-11	RES-CHIP	0.05	1%	1W
R1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
R1544	1-216-805-11	METAL CHIP	47	5%	1/10W
R1545	1-216-809-11	METAL CHIP	100	5%	1/10W
R1546	1-216-805-11	METAL CHIP	47	5%	1/10W
R1547	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1548	1-216-809-11	METAL CHIP	100	5%	1/10W
R1549	1-216-809-11	METAL CHIP	100	5%	1/10W
R1550	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1551	1-216-809-11	METAL CHIP	100	5%	1/10W
R1552	1-216-809-11	METAL CHIP	100	5%	1/10W
R1553	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1555	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1556	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1559	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1564	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1568	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1569	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1570	1-216-809-11	METAL CHIP	100	5%	1/10W
R1572	1-216-805-11	METAL CHIP	47	5%	1/10W
R1573	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1574	1-216-805-11	METAL CHIP	47	5%	1/10W
R1575	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1576	1-219-685-11	RES-CHIP	0.05	1%	1W
R1577	1-219-685-11	RES-CHIP	0.05	1%	1W
R1578	1-216-805-11	METAL CHIP	47	5%	1/10W
R1579	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1580	1-216-815-11	METAL CHIP	330	5%	1/10W
R1581	1-216-815-11	METAL CHIP	330	5%	1/10W
R1582	1-216-815-11	METAL CHIP	330	5%	1/10W
R1583	1-216-815-11	METAL CHIP	330	5%	1/10W
R1584	1-216-805-11	METAL CHIP	47	5%	1/10W
R1585	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1587	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1588	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1590	1-216-805-11	METAL CHIP	47	5%	1/10W
R1591	1-216-805-11	METAL CHIP	47	5%	1/10W
R1592	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1593	1-219-685-11	RES-CHIP	0.05	1%	1W
R1594	1-219-685-11	RES-CHIP	0.05	1%	1W
R1595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1596	1-216-805-11	METAL CHIP	47	5%	1/10W
R1597	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1598	1-216-805-11	METAL CHIP	47	5%	1/10W
R1599	1-216-815-11	METAL CHIP	330	5%	1/10W
R1600	1-216-815-11	METAL CHIP	330	5%	1/10W
R1601	1-216-815-11	METAL CHIP	330	5%	1/10W
R1602	1-216-815-11	METAL CHIP	330	5%	1/10W
R1603	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1604	1-216-864-11	SHORT CHIP	0		
R1605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1606	1-216-809-11	METAL CHIP	100	5%	1/10W
R1607	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1609	1-216-805-11	METAL CHIP	47	5%	1/10W
R1610	1-216-805-11	METAL CHIP	47	5%	1/10W
R1611	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1612	1-219-685-11	RES-CHIP	0.05	1%	1W
R1613	1-219-685-11	RES-CHIP	0.05	1%	1W
R1614	1-216-805-11	METAL CHIP	47	5%	1/10W
R1615	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1616	1-216-815-11	METAL CHIP	330	5%	1/10W
R1617	1-216-815-11	METAL CHIP	330	5%	1/10W
R1618	1-216-815-11	METAL CHIP	330	5%	1/10W
R1619	1-216-815-11	METAL CHIP	330	5%	1/10W
R1620	1-216-805-11	METAL CHIP	47	5%	1/10W
R1621	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1623	1-216-809-11	METAL CHIP	100	5%	1/10W
R1624	1-216-809-11	METAL CHIP	100	5%	1/10W
R1625	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1627	1-216-805-11	METAL CHIP	47	5%	1/10W
R1628	1-216-805-11	METAL CHIP	47	5%	1/10W
R1629	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1631	1-219-685-11	RES-CHIP	0.05	1%	1W
R1632	1-219-685-11	RES-CHIP	0.05	1%	1W
R1633	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1634	1-216-805-11	METAL CHIP	47	5%	1/10W
R1635	1-216-815-11	METAL CHIP	330	5%	1/10W
R1636	1-216-815-11	METAL CHIP	330	5%	1/10W
R1637	1-216-815-11	METAL CHIP	330	5%	1/10W
R1638	1-216-815-11	METAL CHIP	330	5%	1/10W
R1639	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1640	1-216-805-11	METAL CHIP	47	5%	1/10W
R1641	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1642	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1646	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1647	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1648	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1649	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1650	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1651	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1652	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1653	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1655	1-216-864-11	SHORT CHIP	0		
R1657	1-216-864-11	SHORT CHIP	0		
R1659	1-216-864-11	SHORT CHIP	0		
R1661	1-216-864-11	SHORT CHIP	0		
R1669	1-216-809-11	METAL CHIP	100	5%	1/10W
		< THERMISTOR >			
TH1401	1-805-074-11	THERMISTOR			
TH1402	1-805-074-11	THERMISTOR			
TH1403	1-805-074-11	THERMISTOR			
TH1404	1-805-074-11	THERMISTOR			
TH1405	1-805-074-11	THERMISTOR			
TH1406	1-805-074-11	THERMISTOR			
TH1407	1-805-074-11	THERMISTOR			
		< VIBRATOR >			
X1402	1-813-388-11	OSCILLATOR, CRYSTAL (49.152MHz)			
**********					
	A-1099-317-A	DC DIF BOARD, COMPLETE (US, CND)			
	A-1099-318-A	DC DIF BOARD, COMPLETE (AEP)			
	A-1099-319-A	DC DIF BOARD, COMPLETE (KR, CH)			
	A-1099-320-A	DC DIF BOARD, COMPLETE (TW)			
		**********			
	1-533-217-41	HOLDER, FUSE			
	3-077-331-21	+BV3 (3-CR)			
	3-905-609-13	SCREW (TRANSISTOR)			
	4-383-023-01	SHEET, MICA			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C31	1-130-777-00	MYLAR	0.1uF	5%	100V
C32	1-130-777-00	MYLAR	0.1uF	5%	100V
C33	1-130-777-00	MYLAR	0.1uF	5%	100V
C34	1-100-187-11	MYLAR	0.27uF	5%	250V
C35	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C36	1-112-695-11	ELECT (BLOCK)	10000uF	20%	100V
C40	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C41	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C42	1-126-953-11	ELECT	2200uF	20%	35V
C43	1-126-953-11	ELECT	2200uF	20%	35V
C44	1-112-431-11	ELECT	1000uF	20%	35V
C50	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C51	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C53	1-112-096-11	ELECT	1uF	20%	50V
C54	1-112-138-11	ELECT	3300uF	20%	35V
C55	1-112-431-11	ELECT	1000uF	20%	35V
C60	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C61	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C62	1-112-138-11	ELECT	3300uF	20%	35V
C63	1-112-138-11	ELECT	3300uF	20%	35V
		< CONNECTOR >			
* CN30	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			

Ref. No.	Part No.	Description			Remark
CN50	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN60	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
		< DIODE >			
D31	6-500-661-01	DIODE KCH30A20			
D32	6-500-661-01	DIODE KCH30A20			
D33	8-719-988-61	DIODE 1SS355TE-17			
D40	8-719-053-18	DIODE 1SR154-400TE-25			
D41	8-719-053-18	DIODE 1SR154-400TE-25			
D42	8-719-053-18	DIODE 1SR154-400TE-25			
D43	8-719-053-18	DIODE 1SR154-400TE-25			
D44	8-719-053-18	DIODE 1SR154-400TE-25			
D45	8-719-053-18	DIODE 1SR154-400TE-25			
D50	8-719-043-53	DIODE D2SBA20F03			
D51	8-719-210-39	DIODE EC10QS-04			
D60	8-719-302-38	DIODE RBV-602-01			
		< EARTH TERMINAL >			
* EP31	1-537-738-21	TERMINAL, EARTH			
* EP40	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC40	8-759-394-35	IC BA12T			
		< TRANSISTOR >			
Q50	8-729-271-31	TRANSISTOR	2SC2713-G		
		< RESISTOR >			
R30	1-249-393-11	CARBON	10	5%	1/4W
R50	1-216-081-00	RES-CHIP	22K	5%	1/10W
R51	1-216-089-11	RES-CHIP	47K	5%	1/10W
R52	1-216-073-00	RES-CHIP	10K	5%	1/10W
		< RELAY >			
RY30	1-515-999-11	RELAY, POWER			
**********					
	A-1099-064-A	DIGITAL BOARD, COMPLETE (US, CND)			
	A-1099-065-A	DIGITAL BOARD, COMPLETE (AEP)			
	A-1099-066-A	DIGITAL BOARD, COMPLETE (TW, KR, CH)			
		**********			
		< CAPACITOR/RESISTOR >			
C2001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2002	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2007	1-112-103-11	ELECT	47uF	20%	63V
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2009	1-112-103-11	ELECT	47uF	20%	63V
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2015	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2017	1-126-935-11	ELECT	470uF	20%	16V
C2019	1-112-103-11	ELECT	47uF	20%	63V
C2022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C2023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2024	1-112-114-11	ELECT	22uF	20%	50V
C2025	1-112-084-11	ELECT	470uF	20%	16V
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2027	1-112-114-11	ELECT	22uF	20%	50V
C2028	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2031	1-216-864-11	SHORT CHIP	0 (US, CND)		
C2032	1-216-864-11	SHORT CHIP	0 (US, CND)		
C2033	1-216-833-11	METAL CHIP	10K	5%	1/10W (TW, KR, CH)
C2033	1-216-864-11	SHORT CHIP	0 (US, CND)		
C2034	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2035	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C2036	1-112-114-11	ELECT	22uF	20%	50V
C2037	1-112-114-11	ELECT	22uF	20%	50V
C2038	1-162-911-11	CERAMIC CHIP	6PF	0.5PF	50V
C2039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2041	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C2042	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C2043	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2044	1-126-964-11	ELECT	10uF	20%	50V
C2045	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2046	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2047	1-112-084-11	ELECT	470uF	20%	16V
C2048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2050	1-112-083-11	ELECT	100uF	20%	16V
C2051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2052	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2053	1-112-100-11	ELECT	10uF	20%	50V
C2054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2055	1-112-100-11	ELECT	10uF	20%	50V
C2056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2057	1-112-079-11	ELECT	220uF	20%	10V
C2058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2059	1-112-097-11	ELECT	2.2uF	20%	50V
C2060	1-112-084-11	ELECT	470uF	20%	16V
C2064	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US, CND)
C2065	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US, CND)
C2066	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (US, CND)
C2067	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2068	1-112-100-11	ELECT	10uF	20%	50V
C2069	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2070	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2071	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2073	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2074	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2075	1-126-964-11	ELECT	10uF	20%	50V
C2076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2078	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C2079	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description			Remark
C2080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2081	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2082	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2083	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2084	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2085	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2088	1-112-100-11	ELECT	10uF	20%	50V
C2089	1-112-100-11	ELECT	10uF	20%	50V
C2090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2092	1-112-100-11	ELECT	10uF	20%	50V
C2093	1-112-100-11	ELECT	10uF	20%	50V
C2094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2095	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2098	1-112-100-11	ELECT	10uF	20%	50V
C2099	1-112-099-11	ELECT	4.7uF	20%	50V
C2100	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2101	1-112-100-11	ELECT	10uF	20%	50V
C2102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2103	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2105	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2106	1-112-100-11	ELECT	10uF	20%	50V
C2107	1-112-099-11	ELECT	4.7uF	20%	50V
C2108	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2109	1-112-100-11	ELECT	10uF	20%	50V
C2110	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2111	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2112	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2113	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2114	1-112-100-11	ELECT	10uF	20%	50V
C2115	1-112-099-11	ELECT	4.7uF	20%	50V
C2116	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2117	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2118	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2119	1-112-100-11	ELECT	10uF	20%	50V
C2120	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2121	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2122	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2123	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2124	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2125	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2126	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2128	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2129	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2130	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2131	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2133	1-112-100-11	ELECT	10uF	20%	50V
C2134	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2135	1-112-099-11	ELECT	4.7uF	20%	50V
C2136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2137	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2138	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2139	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2141	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2142	1-112-083-11	ELECT	100uF	20%	16V
C2143	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2144	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2145	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2146	1-137-429-11	MYLAR	270PF	5%	50V
C2147	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2148	1-112-100-11	ELECT	10uF	20%	50V
C2149	1-112-100-11	ELECT	10uF	20%	50V
C2150	1-126-964-11	ELECT	10uF	20%	50V
C2151	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2152	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2153	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2154	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2155	1-112-100-11	ELECT	10uF	20%	50V
C2156	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2157	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2158	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2159	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2160	1-137-429-11	MYLAR	270PF	5%	50V
C2161	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2162	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2163	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2164	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2165	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2166	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2167	1-137-429-11	MYLAR	270PF	5%	50V
C2168	1-112-083-11	ELECT	100uF	20%	16V
C2169	1-112-083-11	ELECT	100uF	20%	16V
C2170	1-112-100-11	ELECT	10uF	20%	50V
C2171	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2172	1-112-100-11	ELECT	10uF	20%	50V
C2173	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2174	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2175	1-137-429-11	MYLAR	270PF	5%	50V
C2176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2177	1-126-933-11	ELECT	100uF	20%	16V
C2178	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2179	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2181	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2182	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2183	1-137-429-11	MYLAR	270PF	5%	50V
C2184	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2185	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2186	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2187	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2188	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2189	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2190	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2191	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2193	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2194	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2195	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2196	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2197	1-162-974-11	CERAMIC CHIP	0.01uF		50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C2198	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2199	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2200	1-112-100-11	ELECT	10uF	20%	50V
C2201	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2202	1-112-100-11	ELECT	10uF	20%	50V
C2203	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2204	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2205	1-137-429-11	MYLAR	270PF	5%	50V
C2206	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2207	1-137-429-11	MYLAR	270PF	5%	50V
C2208	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2209	1-112-100-11	ELECT	10uF	20%	50V
C2210	1-112-100-11	ELECT	10uF	20%	50V
C2211	1-112-114-11	ELECT	22uF	20%	50V
C2212	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2213	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2214	1-137-429-11	MYLAR	270PF	5%	50V
C2215	1-112-114-11	ELECT	22uF	20%	50V
C2216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2217	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2218	1-126-964-11	ELECT	10uF	20%	50V
C2219	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2220	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2222	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C2223	1-126-947-11	ELECT	47uF	20%	35V
C2224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2232	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2235	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2236	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2238	1-162-927-11	CERAMIC CHIP	100PF	5%	50V (AEP)
C2239	1-112-080-11	ELECT	470uF	20%	10V (AEP)
C2240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2241	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2244	1-112-084-11	ELECT	470uF	20%	16V
C2245	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2247	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C2248	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2249	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2250	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2251	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2252	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2253	1-126-947-11	ELECT	47uF	20%	35V
C2254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2255	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2256	1-126-947-11	ELECT	47uF	20%	35V
C2257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2258	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2259	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2260	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2261	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2262	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2263	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2267	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2269	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2275	1-126-933-11	ELECT	100uF	20%	16V
C2276	1-126-964-11	ELECT	10uF	20%	50V
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2278	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2280	1-126-960-11	ELECT	1uF	20%	50V
C2283	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2284	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2285	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2286	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2289	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2290	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (EXCEPT AEP)
C2291	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (EXCEPT AEP)
		< CONNECTOR >			
CN2002	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP)			
CN2002	1-784-776-11	CONNECTOR, FFC 15P (AEP)			
CN2003	1-569-814-11	CONNECTOR, BOARD TO BOARD 21P			
CN2004	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P			
CN2006	1-784-930-11	PIN, CONNECTOR 15P			
CN2007	1-794-002-11	CONNECTOR 13P			
CN2008	1-784-925-11	PIN, CONNECTOR 10P			
CN2009	1-794-003-11	CONNECTOR 15P			
CN2010	1-794-004-11	CONNECTOR 17P			
CN2011	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN2012	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN2014	1-794-005-11	CONNECTOR 19P			
CN2015	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CN2016	1-794-006-21	CONNECTOR 20P			
		< DIODE >			
D2001	8-719-053-18	DIODE 1SR154-400TE-25			
D2002	8-719-988-61	DIODE 1SS355TE-17			
D2003	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description	Remark
D2004	8-719-801-78	DIODE 1SS184	
D2005	8-719-801-78	DIODE 1SS184	
D2006	8-719-988-61	DIODE 1SS355TE-17	
D2007	8-719-801-78	DIODE 1SS184	
D2008	8-719-066-98	DIODE RB051L-40TE25	
		< FERRITE BEAD/JUMPER RESISTOR >	
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP)	
FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2006	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2007	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2008	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2009	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2010	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2011	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2012	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2013	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2014	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2015	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2016	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2017	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2018	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2019	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2020	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2022	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2023	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2024	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2025	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2026	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2027	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2028	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2029	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2030	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2031	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2032	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2033	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2034	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2035	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2036	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2037	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2038	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2039	1-216-295-00	SHORT CHIP 0	
FB2040	1-216-295-00	SHORT CHIP 0	
FB2041	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2101	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2102	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2103	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB2104	1-469-139-21	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC2001	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL DVD IN)	
IC2002	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL TV/SAT IN)	
IC2003	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL MD/DAT IN)	
IC2004	6-600-461-11	IC TOTX147L (RED) (DIGITAL ASSIGNABLE OPTICAL MD/DAT OUT)	
IC2005	6-600-466-01	IC TORX147L (DIGITAL ASSIGNABLE OPTICAL SA-CD/CD IN)	
IC2006	6-708-025-01	IC LC89057W-VF4A-E	
IC2007	8-759-233-64	IC TC74HCU04AF	
IC2008	8-759-058-62	IC TC7S08FU (TE85R)	
IC2009	8-759-236-19	IC TC74HC151AF (EL)	
IC2010	8-759-710-97	IC NJM4565M-D	
IC2011	8-759-096-87	IC TC7WU04FU (TE12R)	
IC2012	8-759-268-29	IC SN74HC595ANS	
IC2013	8-759-649-46	IC SN74AHC1G08DCKR	
IC2014	8-759-058-62	IC TC7S08FU (TE85R)	
IC2015	8-759-649-46	IC SN74AHC1G08DCKR	
IC2016	8-759-649-46	IC SN74AHC1G08DCKR	
IC2017	8-759-524-48	IC TC74VHC393FT (EL)	
IC2018	8-759-524-10	IC TC74VHC157FT (EL)	
IC2019	8-759-524-10	IC TC74VHC157FT (EL)	
IC2020	8-759-524-09	IC TC74VHC153FT (EL)	
IC2021	8-759-548-96	IC SN74LV02APWR	
IC2022	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2024	6-707-079-01	IC CXD9856N	
IC2025	6-707-079-01	IC CXD9856N	
IC2026	6-707-079-01	IC CXD9856N	
IC2027	8-759-649-46	IC SN74AHC1G08DCKR	
IC2028	6-702-288-01	IC CXD9722TQ	
IC2029	6-703-791-01	IC MSM56V16160F-8T3FM1	
IC2030	8-759-327-60	IC TC7W125FU-TE12R	
IC2031	6-707-079-01	IC CXD9856N	
IC2032	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2033	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2034	6-703-787-01	IC PCM1609KPTR	
IC2035	8-759-523-81	IC TC74VHC08FT (EL)	
IC2036	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2037	8-759-710-97	IC NJM4565M-D	
IC2038	8-759-524-50	IC TC74VHC541FT (EL)	
IC2039	8-759-524-10	IC TC74VHC157FT (EL)	
IC2040	8-759-710-97	IC NJM4565M-D	
IC2041	8-759-008-37	IC MC74HC4050F	
IC2042	8-759-710-97	IC NJM4565M-D	
IC2043	8-759-710-97	IC NJM4565M-D	
IC2044	8-759-268-29	IC SN74HC595ANS	
IC2045	8-759-268-29	IC SN74HC595ANS	
IC2046	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2047	8-759-058-62	IC TC7S08FU (TE85R)	
IC2048	8-759-666-99	IC TMP87CH447U-1F23	
IC2049	8-759-008-37	IC MC74HC4050F	
IC2050	8-759-445-59	IC BA033T (AEP)	
IC2051	6-702-912-01	IC S-80942CNMC-G9CT2G	
IC2052	8-759-473-41	IC BA10T	
IC2053	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2054	6-805-280-01	IC MB91F355APMT-A70ES-X110	
IC2055	6-704-004-01	IC BR24L16F-WE2	
IC2056	8-759-277-63	IC TC7W14FU (TE12R)	
IC2057	8-759-058-62	IC TC7S08FU (TE85R)	

DIGITAL

Ref. No.	Part No.	Description			Remark
		< JACK >			
J2001	1-817-958-11	JACK, PIN 2P (DIGITAL ASSIGNABLE COAXIAL TV/SAT/SA-CD/CD IN)			
J2002	1-818-300-11	JACK, PIN 1P (DIGITAL ASSIGNABLE COAXIAL DVD IN)			
		< TRANSISTOR >			
Q2001	8-729-216-22	TRANSISTOR	2SA1162-G		
Q2002	1-801-806-11	TRANSISTOR	DTC144EKA-T146		
Q2003	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q2004	1-801-806-11	TRANSISTOR	DTC144EKA-T146		
Q2005	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2006	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q2007	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2008	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2009	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2010	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q2011	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R2001	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2002	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2003	1-216-809-11	METAL CHIP	100	5%	1/10W
R2004	1-216-809-11	METAL CHIP	100	5%	1/10W
R2005	1-216-809-11	METAL CHIP	100	5%	1/10W
R2006	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2007	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2008	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2009	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2010	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2011	1-216-809-11	METAL CHIP	100	5%	1/10W
R2012	1-216-809-11	METAL CHIP	100	5%	1/10W
R2013	1-216-809-11	METAL CHIP	100	5%	1/10W
R2014	1-216-809-11	METAL CHIP	100	5%	1/10W
R2016	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2017	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2018	1-216-805-11	METAL CHIP	47	5%	1/10W
R2019	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2020	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2021	1-216-809-11	METAL CHIP	100	5%	1/10W
R2022	1-216-809-11	METAL CHIP	100	5%	1/10W
R2023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2024	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2025	1-216-809-11	METAL CHIP	100	5%	1/10W
R2026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2028	1-216-809-11	METAL CHIP	100	5%	1/10W
R2029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2030	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP)
R2031	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2032	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2033	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2034	1-216-809-11	METAL CHIP	100	5%	1/10W
R2035	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP)
R2036	1-216-813-11	METAL CHIP	220	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2037	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP)
R2038	1-216-809-11	METAL CHIP	100	5%	1/10W
R2039	1-216-809-11	METAL CHIP	100	5%	1/10W
R2040	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2041	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2042	1-216-817-11	METAL CHIP	470	5%	1/10W
R2043	1-216-809-11	METAL CHIP	100	5%	1/10W
R2044	1-216-809-11	METAL CHIP	100	5%	1/10W
R2045	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2046	1-216-809-11	METAL CHIP	100	5%	1/10W
R2047	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2048	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2049	1-216-809-11	METAL CHIP	100	5%	1/10W
R2050	1-216-809-11	METAL CHIP	100	5%	1/10W
R2051	1-216-809-11	METAL CHIP	100	5%	1/10W
R2052	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2053	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2054	1-216-809-11	METAL CHIP	100	5%	1/10W
R2055	1-216-805-11	METAL CHIP	47	5%	1/10W
R2056	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2057	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R2058	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R2059	1-216-809-11	METAL CHIP	100	5%	1/10W
R2060	1-216-819-11	METAL CHIP	680	5%	1/10W
R2061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2062	1-216-809-11	METAL CHIP	100	5%	1/10W
R2063	1-216-809-11	METAL CHIP	100	5%	1/10W
R2064	1-216-817-11	METAL CHIP	470	5%	1/10W
R2065	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2066	1-216-809-11	METAL CHIP	100	5%	1/10W
R2067	1-216-809-11	METAL CHIP	100	5%	1/10W
R2068	1-216-809-11	METAL CHIP	100	5%	1/10W
R2069	1-216-809-11	METAL CHIP	100	5%	1/10W
R2070	1-216-809-11	METAL CHIP	100	5%	1/10W
R2071	1-216-809-11	METAL CHIP	100	5%	1/10W
R2072	1-216-864-11	SHORT CHIP	0		
R2073	1-216-864-11	SHORT CHIP	0		
R2074	1-216-809-11	METAL CHIP	100	5%	1/10W
R2075	1-216-805-11	METAL CHIP	47	5%	1/10W
R2076	1-216-809-11	METAL CHIP	100	5%	1/10W
R2077	1-216-805-11	METAL CHIP	47	5%	1/10W
R2078	1-216-805-11	METAL CHIP	47	5%	1/10W
R2079	1-216-809-11	METAL CHIP	100	5%	1/10W
R2080	1-216-805-11	METAL CHIP	47	5%	1/10W
R2081	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2082	1-216-809-11	METAL CHIP	100	5%	1/10W
R2083	1-216-809-11	METAL CHIP	100	5%	1/10W
R2084	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2085	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2086	1-216-809-11	METAL CHIP	100	5%	1/10W
R2087	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2088	1-216-809-11	METAL CHIP	100	5%	1/10W
R2089	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2090	1-216-809-11	METAL CHIP	100	5%	1/10W
R2092	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2093	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2094	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2095	1-216-809-11	METAL CHIP	100	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W
R2097	1-216-864-11	SHORT CHIP	0		
R2098	1-216-809-11	METAL CHIP	100	5%	1/10W
R2099	1-216-809-11	METAL CHIP	100	5%	1/10W
R2100	1-216-809-11	METAL CHIP	100	5%	1/10W
R2101	1-216-809-11	METAL CHIP	100	5%	1/10W
R2102	1-216-809-11	METAL CHIP	100	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W
R2104	1-216-809-11	METAL CHIP	100	5%	1/10W
R2105	1-216-809-11	METAL CHIP	100	5%	1/10W
R2106	1-216-809-11	METAL CHIP	100	5%	1/10W
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W
R2108	1-216-805-11	METAL CHIP	47	5%	1/10W
R2109	1-216-809-11	METAL CHIP	100	5%	1/10W
R2111	1-216-809-11	METAL CHIP	100	5%	1/10W
R2112	1-216-809-11	METAL CHIP	100	5%	1/10W
R2113	1-216-809-11	METAL CHIP	100	5%	1/10W
R2114	1-216-809-11	METAL CHIP	100	5%	1/10W
R2115	1-216-809-11	METAL CHIP	100	5%	1/10W
R2116	1-216-809-11	METAL CHIP	100	5%	1/10W
R2117	1-216-809-11	METAL CHIP	100	5%	1/10W
R2118	1-216-809-11	METAL CHIP	100	5%	1/10W
R2119	1-216-809-11	METAL CHIP	100	5%	1/10W
R2120	1-216-809-11	METAL CHIP	100	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W
R2122	1-216-805-11	METAL CHIP	47	5%	1/10W
R2123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2124	1-216-809-11	METAL CHIP	100	5%	1/10W
R2125	1-216-809-11	METAL CHIP	100	5%	1/10W
R2126	1-216-809-11	METAL CHIP	100	5%	1/10W
R2127	1-216-809-11	METAL CHIP	100	5%	1/10W
R2128	1-216-805-11	METAL CHIP	47	5%	1/10W
R2129	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2130	1-216-809-11	METAL CHIP	100	5%	1/10W
R2131	1-216-809-11	METAL CHIP	100	5%	1/10W
R2132	1-216-809-11	METAL CHIP	100	5%	1/10W
R2133	1-216-809-11	METAL CHIP	100	5%	1/10W
R2134	1-216-805-11	METAL CHIP	47	5%	1/10W
R2135	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2136	1-216-809-11	METAL CHIP	100	5%	1/10W
R2137	1-216-809-11	METAL CHIP	100	5%	1/10W
R2138	1-216-809-11	METAL CHIP	100	5%	1/10W
R2139	1-216-809-11	METAL CHIP	100	5%	1/10W
R2140	1-216-809-11	METAL CHIP	100	5%	1/10W
R2141	1-216-805-11	METAL CHIP	47	5%	1/10W
R2142	1-216-809-11	METAL CHIP	100	5%	1/10W
R2143	1-216-809-11	METAL CHIP	100	5%	1/10W
R2144	1-216-809-11	METAL CHIP	100	5%	1/10W
R2145	1-216-809-11	METAL CHIP	100	5%	1/10W
R2146	1-216-809-11	METAL CHIP	100	5%	1/10W
R2147	1-216-809-11	METAL CHIP	100	5%	1/10W
R2148	1-216-809-11	METAL CHIP	100	5%	1/10W
R2149	1-216-809-11	METAL CHIP	100	5%	1/10W
R2150	1-216-809-11	METAL CHIP	100	5%	1/10W
R2151	1-216-809-11	METAL CHIP	100	5%	1/10W
R2152	1-216-809-11	METAL CHIP	100	5%	1/10W
R2153	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2154	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2155	1-216-809-11	METAL CHIP	100	5%	1/10W
R2156	1-216-809-11	METAL CHIP	100	5%	1/10W
R2157	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2158	1-216-809-11	METAL CHIP	100	5%	1/10W
R2159	1-216-809-11	METAL CHIP	100	5%	1/10W
R2160	1-216-809-11	METAL CHIP	100	5%	1/10W
R2161	1-216-809-11	METAL CHIP	100	5%	1/10W
R2162	1-216-809-11	METAL CHIP	100	5%	1/10W
R2163	1-216-809-11	METAL CHIP	100	5%	1/10W
R2164	1-216-809-11	METAL CHIP	100	5%	1/10W
R2165	1-216-809-11	METAL CHIP	100	5%	1/10W
R2166	1-216-809-11	METAL CHIP	100	5%	1/10W
R2167	1-216-809-11	METAL CHIP	100	5%	1/10W
R2168	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2169	1-216-809-11	METAL CHIP	100	5%	1/10W
R2170	1-216-809-11	METAL CHIP	100	5%	1/10W
R2171	1-216-809-11	METAL CHIP	100	5%	1/10W
R2172	1-216-809-11	METAL CHIP	100	5%	1/10W
R2173	1-216-809-11	METAL CHIP	100	5%	1/10W
R2174	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2175	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2176	1-216-809-11	METAL CHIP	100	5%	1/10W
R2177	1-216-809-11	METAL CHIP	100	5%	1/10W
R2178	1-216-809-11	METAL CHIP	100	5%	1/10W
R2179	1-216-809-11	METAL CHIP	100	5%	1/10W
R2180	1-216-864-11	SHORT CHIP	0		
R2181	1-216-805-11	METAL CHIP	47	5%	1/10W
R2182	1-216-864-11	SHORT CHIP	0		
R2183	1-216-864-11	SHORT CHIP	0		
R2184	1-216-813-11	METAL CHIP	220	5%	1/10W
R2185	1-216-809-11	METAL CHIP	100	5%	1/10W
R2186	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2187	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2188	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2189	1-216-809-11	METAL CHIP	100	5%	1/10W
R2190	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2191	1-216-809-11	METAL CHIP	100	5%	1/10W
R2192	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2193	1-216-809-11	METAL CHIP	100	5%	1/10W
R2194	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2195	1-216-809-11	METAL CHIP	100	5%	1/10W
R2196	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2197	1-216-809-11	METAL CHIP	100	5%	1/10W
R2198	1-216-805-11	METAL CHIP	47	5%	1/10W
R2199	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2200	1-216-809-11	METAL CHIP	100	5%	1/10W
R2201	1-216-809-11	METAL CHIP	100	5%	1/10W
R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2204	1-216-809-11	METAL CHIP	100	5%	1/10W
R2205	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2206	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2209	1-216-809-11	METAL CHIP	100	5%	1/10W
R2210	1-216-809-11	METAL CHIP	100	5%	1/10W
R2211	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2212	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2213	1-216-809-11	METAL CHIP	100	5%	1/10W
R2214	1-216-809-11	METAL CHIP	100	5%	1/10W
R2215	1-216-809-11	METAL CHIP	100	5%	1/10W
R2216	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2217	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2218	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2219	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2220	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2221	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2223	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2224	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2225	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2226	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2227	1-216-809-11	METAL CHIP	100	5%	1/10W
R2228	1-216-809-11	METAL CHIP	100	5%	1/10W
R2229	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2230	1-216-809-11	METAL CHIP	100	5%	1/10W
R2231	1-216-809-11	METAL CHIP	100	5%	1/10W
R2232	1-216-809-11	METAL CHIP	100	5%	1/10W
R2233	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2234	1-216-805-11	METAL CHIP	47	5%	1/10W
R2235	1-216-805-11	METAL CHIP	47	5%	1/10W
R2236	1-216-805-11	METAL CHIP	47	5%	1/10W
R2237	1-216-809-11	METAL CHIP	100	5%	1/10W
R2238	1-216-805-11	METAL CHIP	47	5%	1/10W
R2239	1-216-805-11	METAL CHIP	47	5%	1/10W
R2240	1-216-805-11	METAL CHIP	47	5%	1/10W
R2242	1-216-805-11	METAL CHIP	47	5%	1/10W
R2243	1-216-805-11	METAL CHIP	47	5%	1/10W
R2244	1-216-805-11	METAL CHIP	47	5%	1/10W
R2245	1-216-809-11	METAL CHIP	100	5%	1/10W
R2246	1-216-805-11	METAL CHIP	47	5%	1/10W
R2247	1-216-805-11	METAL CHIP	47	5%	1/10W
R2248	1-216-805-11	METAL CHIP	47	5%	1/10W
R2249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2251	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2252	1-216-805-11	METAL CHIP	47	5%	1/10W
R2253	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2254	1-216-809-11	METAL CHIP	100	5%	1/10W
R2255	1-216-805-11	METAL CHIP	47	5%	1/10W
R2256	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2258	1-216-809-11	METAL CHIP	100	5%	1/10W
R2259	1-216-809-11	METAL CHIP	100	5%	1/10W
R2260	1-216-809-11	METAL CHIP	100	5%	1/10W
R2261	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2262	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2263	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2264	1-216-809-11	METAL CHIP	100	5%	1/10W
R2265	1-216-809-11	METAL CHIP	100	5%	1/10W
R2266	1-216-809-11	METAL CHIP	100	5%	1/10W
R2267	1-216-809-11	METAL CHIP	100	5%	1/10W
R2268	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2270	1-216-832-11	METAL CHIP	8.2K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2271	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2272	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2273	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2274	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2275	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2276	1-216-809-11	METAL CHIP	100	5%	1/10W
R2277	1-216-809-11	METAL CHIP	100	5%	1/10W
R2278	1-216-809-11	METAL CHIP	100	5%	1/10W
R2279	1-216-809-11	METAL CHIP	100	5%	1/10W
R2280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2281	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2282	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2283	1-216-809-11	METAL CHIP	100	5%	1/10W
R2284	1-216-809-11	METAL CHIP	100	5%	1/10W
R2285	1-216-809-11	METAL CHIP	100	5%	1/10W
R2286	1-216-809-11	METAL CHIP	100	5%	1/10W
R2287	1-216-809-11	METAL CHIP	100	5%	1/10W
R2288	1-216-809-11	METAL CHIP	100	5%	1/10W
R2289	1-216-809-11	METAL CHIP	100	5%	1/10W
R2290	1-216-809-11	METAL CHIP	100	5%	1/10W
R2291	1-216-809-11	METAL CHIP	100	5%	1/10W
R2292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2293	1-216-809-11	METAL CHIP	100	5%	1/10W
R2294	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2295	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2297	1-216-809-11	METAL CHIP	100	5%	1/10W
R2298	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2299	1-216-797-11	METAL CHIP	10	5%	1/10W
R2300	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2301	1-216-809-11	METAL CHIP	100	5%	1/10W
R2302	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2303	1-216-809-11	METAL CHIP	100	5%	1/10W
R2305	1-216-809-11	METAL CHIP	100	5%	1/10W
R2306	1-216-809-11	METAL CHIP	100	5%	1/10W
R2307	1-216-864-11	SHORT CHIP	0		
R2308	1-216-809-11	METAL CHIP	100	5%	1/10W
R2309	1-216-809-11	METAL CHIP	100	5%	1/10W
R2310	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2311	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2312	1-216-809-11	METAL CHIP	100	5%	1/10W
R2313	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2315	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2316	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2317	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP)
R2318	1-216-837-11	METAL CHIP	22K	5%	1/10W (TW, KR, CH)
R2318	1-216-864-11	SHORT CHIP	0 (AEP)		
R2319	1-216-809-11	METAL CHIP	100	5%	1/10W
R2320	1-216-809-11	METAL CHIP	100	5%	1/10W
R2321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2327	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2328	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2329	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2331	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP)
R2332	1-216-809-11	METAL CHIP	100	5%	1/10W
R2333	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2334	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2336	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2337	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2339	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2340	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2343	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2344	1-216-809-11	METAL CHIP	100	5%	1/10W
R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2346	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2347	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2348	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2349	1-216-833-11	METAL CHIP	10K	5%	1/10W (EXCEPT AEP)
R2350	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2351	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2354	1-216-809-11	METAL CHIP	100	5%	1/10W
R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2356	1-216-809-11	METAL CHIP	100	5%	1/10W
R2357	1-216-809-11	METAL CHIP	100	5%	1/10W
R2358	1-216-809-11	METAL CHIP	100	5%	1/10W
R2359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2360	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2362	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2365	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2366	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2367	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2370	1-216-809-11	METAL CHIP	100	5%	1/10W
R2371	1-216-809-11	METAL CHIP	100	5%	1/10W
R2372	1-216-809-11	METAL CHIP	100	5%	1/10W
R2373	1-216-809-11	METAL CHIP	100	5%	1/10W
R2374	1-216-809-11	METAL CHIP	100	5%	1/10W
R2375	1-216-809-11	METAL CHIP	100	5%	1/10W
R2376	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2379	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2380	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2382	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2384	1-216-809-11	METAL CHIP	100	5%	1/10W
R2385	1-216-809-11	METAL CHIP	100	5%	1/10W
R2386	1-216-809-11	METAL CHIP	100	5%	1/10W
R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2388	1-216-809-11	METAL CHIP	100	5%	1/10W
R2389	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2390	1-216-815-11	METAL CHIP	330	5%	1/10W
R2391	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2395	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2396	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2398	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2399	1-216-809-11	METAL CHIP	100	5%	1/10W
R2400	1-216-809-11	METAL CHIP	100	5%	1/10W
R2401	1-216-809-11	METAL CHIP	100	5%	1/10W
R2402	1-216-809-11	METAL CHIP	100	5%	1/10W
R2403	1-216-809-11	METAL CHIP	100	5%	1/10W
R2404	1-216-809-11	METAL CHIP	100	5%	1/10W
R2405	1-216-809-11	METAL CHIP	100	5%	1/10W
R2406	1-216-809-11	METAL CHIP	100	5%	1/10W
R2407	1-216-809-11	METAL CHIP	100	5%	1/10W
R2408	1-216-809-11	METAL CHIP	100	5%	1/10W
R2409	1-216-809-11	METAL CHIP	100	5%	1/10W
R2410	1-216-809-11	METAL CHIP	100	5%	1/10W
R2411	1-216-864-11	SHORT CHIP	0		
R2412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2413	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2414	1-208-550-41	RES-CHIP	470K	2%	1/10W
R2415	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2416	1-216-809-11	METAL CHIP	100	5%	1/10W
R2417	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2420	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP)		
		< VIBRATOR >			
X2001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X2002	1-767-286-11	VIBRATOR, CRYSTAL (22.5792MHz)			
X2003	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)			
X2004	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)			

****

	A-1066-267-A	DSP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1	1-100-635-21	ELECT CHIP	82uF	20%	4V
C3	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7	1-165-628-21	ELECT CHIP	100uF	20%	2V
C8	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C9	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C10	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C11	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C12	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C19	1-117-370-11	CERAMIC CHIP	10uF		10V
C23	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C24	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C25	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

DSP

Ref. No.	Part No.	Description			Remark
C26	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C28	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C29	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C30	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C32	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C33	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C34	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C35	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C36	1-117-370-11	CERAMIC CHIP	10uF		10V
C39	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C40	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C42	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C43	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C45	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C46	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C49	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C50	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C52	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C55	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C57	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C59	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C61	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C62	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C63	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C64	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C66	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C67	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C70	1-117-370-11	CERAMIC CHIP	10uF		10V
C71	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C73	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C74	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C75	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C76	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C77	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C78	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C79	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C80	1-100-635-21	ELECT CHIP	82uF	20%	4V
C81	1-165-628-21	ELECT CHIP	100uF	20%	2V
C85	1-117-370-11	CERAMIC CHIP	10uF		10V
C88	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C89	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C90	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C91	1-117-370-11	CERAMIC CHIP	10uF		10V
C92	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C93	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C94	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C95	1-117-370-11	CERAMIC CHIP	10uF		10V
C96	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C97	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN1	1-815-136-21	CONNECTOR, BOARD TO BOARD			
CN2	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
		< FERRITE BEAD >			
FB1	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB2	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB3	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB4	1-469-324-21	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC1	6-705-308-01	IC SI-3010KM-TL			
IC2	6-706-764-01	IC ADSP21266SKSTZ-2C			
IC3	6-706-765-01	IC SST25VF040-20-4C-QAE-T			
IC4	8-759-680-48	IC TC7WH157FK (TE85R)			
IC5	8-759-831-52	IC TC7WH125FK (TE85R)			
IC6	6-701-373-01	IC MC74LCX16373DTR2			
IC7	6-706-791-01	IC IC61LV12816-8TG			
		< RESISTOR >			
R1	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R2	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3	1-243-227-91	RES-CHIP	0.33	1%	1/8W
R5	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9	1-216-833-11	METAL CHIP	10K	5%	1/10W
R12	1-216-833-11	METAL CHIP	10K	5%	1/10W
R13	1-216-864-11	SHORT CHIP	0		
R14	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R15	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R16	1-216-864-11	SHORT CHIP	0		
R17	1-216-864-11	SHORT CHIP	0		
R18	1-216-864-11	SHORT CHIP	0		
R20	1-216-864-11	SHORT CHIP	0		
R21	1-216-833-11	METAL CHIP	10K	5%	1/10W
R23	1-216-817-11	METAL CHIP	470	5%	1/10W
R24	1-216-821-11	METAL CHIP	1K	5%	1/10W
R25	1-216-864-11	SHORT CHIP	0		
R26	1-216-801-11	METAL CHIP	22	5%	1/10W
R27	1-216-801-11	METAL CHIP	22	5%	1/10W
R28	1-216-801-11	METAL CHIP	22	5%	1/10W
R29	1-216-801-11	METAL CHIP	22	5%	1/10W
R30	1-216-801-11	METAL CHIP	22	5%	1/10W
R31	1-216-833-11	METAL CHIP	10K	5%	1/10W
R32	1-216-833-11	METAL CHIP	10K	5%	1/10W
R33	1-216-833-11	METAL CHIP	10K	5%	1/10W
R34	1-216-833-11	METAL CHIP	10K	5%	1/10W
R35	1-216-857-11	METAL CHIP	1M	5%	1/10W
R36	1-216-797-11	METAL CHIP	10	5%	1/10W
R38	1-216-833-11	METAL CHIP	10K	5%	1/10W
R41	1-216-833-11	METAL CHIP	10K	5%	1/10W
R43	1-216-833-11	METAL CHIP	10K	5%	1/10W
R45	1-216-833-11	METAL CHIP	10K	5%	1/10W
R46	1-216-801-11	METAL CHIP	22	5%	1/10W
R47	1-216-864-11	SHORT CHIP	0		
R48	1-216-864-11	SHORT CHIP	0		
R49	1-216-864-11	SHORT CHIP	0		
R50	1-216-864-11	SHORT CHIP	0		
R51	1-216-864-11	SHORT CHIP	0		
R52	1-216-864-11	SHORT CHIP	0		
R53	1-216-801-11	METAL CHIP	22	5%	1/10W
R54	1-216-801-11	METAL CHIP	22	5%	1/10W
R55	1-216-864-11	SHORT CHIP	0		
R56	1-216-864-11	SHORT CHIP	0		
R57	1-216-864-11	SHORT CHIP	0		
R58	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R59	1-216-864-11	SHORT CHIP	0		
R60	1-216-801-11	METAL CHIP	22	5%	1/10W
R61	1-216-864-11	SHORT CHIP	0		
R62	1-216-864-11	SHORT CHIP	0		
R63	1-216-864-11	SHORT CHIP	0		
R64	1-216-801-11	METAL CHIP	22	5%	1/10W
R65	1-216-801-11	METAL CHIP	22	5%	1/10W
R66	1-216-801-11	METAL CHIP	22	5%	1/10W
R67	1-216-801-11	METAL CHIP	22	5%	1/10W
R68	1-216-801-11	METAL CHIP	22	5%	1/10W
R69	1-216-864-11	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB1	1-234-523-21	RES, CHIP NETWORK	0 (3216)		
RB6	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB7	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB8	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB9	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB10	1-234-524-21	RES, CHIP NETWORK	33 (3216)		
RB11	1-234-524-21	RES, CHIP NETWORK	33 (3216)		
RB12	1-234-524-21	RES, CHIP NETWORK	33 (3216)		
RB13	1-234-524-21	RES, CHIP NETWORK	33 (3216)		
		< VIBRATOR >			
X1	1-795-807-11	VIBRATOR, CRYSTAL (25MHz)			
**********					
	A-1099-069-A	FAN BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C5055	1-126-934-11	ELECT	220uF	20%	16V
C5056	1-126-934-11	ELECT	220uF	20%	16V
C5073	1-104-662-91	ELECT	22uF	20%	25V
C5074	1-104-662-91	ELECT	22uF	20%	25V
C5075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
* CN5001	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN5002	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
		< DIODE >			
D5501	8-719-978-33	DIODE DTZ-TT11-6.8B			
		< IC >			
IC5003	8-759-450-54	IC BA15T			
		< IC >			
PC5001	6-600-438-01	IC TLP421F (D4-GR)			
		< TRANSISTOR >			
Q5002	8-729-209-15	TRANSISTOR	2SD2012		
		< RESISTOR >			
R5012	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5014	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R5016	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R5018	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5019	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
**********					
	A-1099-059-A	FILTER-L BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1639	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1640	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1641	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1642	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1643	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1644	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1645	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1646	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1647	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1648	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1649	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1650	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1651	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1652	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1653	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1654	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1655	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1656	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1657	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1658	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1659	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1660	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1661	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1662	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1663	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1664	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1665	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1666	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1667	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1668	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1669	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1670	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1671	1-112-043-11	MYLAR	1uF	10%	250V
C1672	1-112-043-11	MYLAR	1uF	10%	250V
C1673	1-112-043-11	MYLAR	1uF	10%	250V
C1674	1-112-043-11	MYLAR	1uF	10%	250V
C1675	1-112-043-11	MYLAR	1uF	10%	250V
C1676	1-112-043-11	MYLAR	1uF	10%	250V
C1677	1-112-043-11	MYLAR	1uF	10%	250V
C1678	1-112-043-11	MYLAR	1uF	10%	250V
C1712	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1713	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1715	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN1407	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
* CN1408	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CN1501	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			

FILTER-L **FILTER-R**

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D1513	8-719-988-61	DIODE 1SS355TE-17			
D1514	8-719-988-61	DIODE 1SS355TE-17			
D1515	8-719-988-61	DIODE 1SS355TE-17			
D1516	8-719-988-61	DIODE 1SS355TE-17			
D1517	8-719-988-61	DIODE 1SS355TE-17			
D1518	8-719-988-61	DIODE 1SS355TE-17			
D1519	8-719-988-61	DIODE 1SS355TE-17			
D1520	8-719-988-61	DIODE 1SS355TE-17			
D1521	8-719-988-61	DIODE 1SS355TE-17			
D1522	8-719-988-61	DIODE 1SS355TE-17			
D1523	8-719-988-61	DIODE 1SS355TE-17			
D1524	8-719-988-61	DIODE 1SS355TE-17			
D1525	8-719-988-61	DIODE 1SS355TE-17			
D1526	8-719-988-61	DIODE 1SS355TE-17			
D1527	8-719-988-61	DIODE 1SS355TE-17			
D1528	8-719-988-61	DIODE 1SS355TE-17			
D1546	8-719-988-61	DIODE 1SS355TE-17			
D1547	8-719-988-61	DIODE 1SS355TE-17			
D1548	8-719-988-61	DIODE 1SS355TE-17			
D1549	8-719-988-61	DIODE 1SS355TE-17			
		< EARTH TERMINAL >			
* EP1406	1-537-738-21	TERMINAL, EARTH			
* EP1407	1-537-738-21	TERMINAL, EARTH			
		< COIL >			
L1401	1-456-412-11	INDUCTOR	10uH		
L1402	1-456-412-11	INDUCTOR	10uH		
L1403	1-456-412-11	INDUCTOR	10uH		
L1404	1-456-412-11	INDUCTOR	10uH		
L1405	1-456-412-11	INDUCTOR	10uH		
L1406	1-456-412-11	INDUCTOR	10uH		
L1407	1-456-412-11	INDUCTOR	10uH		
L1408	1-456-412-11	INDUCTOR	10uH		
		< IC >			
PC1504	6-600-147-01	IC TLP124 (BV-TPL)			
PC1505	6-600-147-01	IC TLP124 (BV-TPL)			
PC1506	6-600-147-01	IC TLP124 (BV-TPL)			
PC1507	6-600-147-01	IC TLP124 (BV-TPL)			
		< RESISTOR >			
R1662	1-249-226-31	CARBON	4.7K	5%	1/3W
R1663	1-249-226-31	CARBON	4.7K	5%	1/3W
R1664	1-249-226-31	CARBON	4.7K	5%	1/3W
R1665	1-249-226-31	CARBON	4.7K	5%	1/3W
R1676	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1677	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1678	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1679	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1681	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1682	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1683	1-216-833-11	METAL CHIP	10K	5%	1/10W

****

Ref. No.	Part No.	Description			Remark
	A-1099-057-A	FILTER-R BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1679	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1680	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1681	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1682	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1683	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1684	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1685	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1686	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1687	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1688	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1689	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1690	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1691	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1692	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1693	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1694	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1695	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1696	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1697	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1698	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1699	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1700	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1701	1-112-043-11	MYLAR	1uF	10%	250V
C1702	1-112-043-11	MYLAR	1uF	10%	250V
C1703	1-112-043-11	MYLAR	1uF	10%	250V
C1704	1-112-043-11	MYLAR	1uF	10%	250V
C1705	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1706	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1707	1-112-043-11	MYLAR	1uF	10%	250V
C1708	1-112-043-11	MYLAR	1uF	10%	250V
C1709	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1710	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN1401	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN1409	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P			
CN1502	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
		< DIODE >			
D1501	8-719-988-61	DIODE 1SS355TE-17			
D1502	8-719-988-61	DIODE 1SS355TE-17			
D1503	8-719-988-61	DIODE 1SS355TE-17			
D1504	8-719-988-61	DIODE 1SS355TE-17			
D1505	8-719-988-61	DIODE 1SS355TE-17			
D1506	8-719-988-61	DIODE 1SS355TE-17			
D1507	8-719-988-61	DIODE 1SS355TE-17			
D1508	8-719-988-61	DIODE 1SS355TE-17			
D1509	8-719-988-61	DIODE 1SS355TE-17			
D1510	8-719-988-61	DIODE 1SS355TE-17			
D1511	8-719-988-61	DIODE 1SS355TE-17			
D1512	8-719-988-61	DIODE 1SS355TE-17			
D1543	8-719-988-61	DIODE 1SS355TE-17			
D1544	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description			Remark
D1545	8-719-988-61	DIODE 1SS355TE-17			
		< EARTH TERMINAL >			
* EP1408	1-537-738-21	TERMINAL, EARTH			
* EP1409	1-537-738-21	TERMINAL, EARTH			
		< COIL >			
L1409	1-456-412-11	INDUCTOR	10uH		
L1410	1-456-412-11	INDUCTOR	10uH		
L1411	1-456-412-11	INDUCTOR	10uH		
L1412	1-456-412-11	INDUCTOR	10uH		
L1413	1-456-412-11	INDUCTOR	10uH		
L1414	1-456-412-11	INDUCTOR	10uH		
		< IC >			
PC1501	6-600-147-01	IC TLP124 (BV-TPL)			
PC1502	6-600-147-01	IC TLP124 (BV-TPL)			
PC1503	6-600-147-01	IC TLP124 (BV-TPL)			
		< RESISTOR >			
R1666	1-249-226-31	CARBON	4.7K	5%	1/3W
R1667	1-249-226-31	CARBON	4.7K	5%	1/3W
R1668	1-249-226-31	CARBON	4.7K	5%	1/3W
R1670	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1671	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1672	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1673	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1674	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1675	1-216-833-11	METAL CHIP	10K	5%	1/10W
**********					
	A-1066-262-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	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1003	1-165-319-11	CERAMIC CHIP	0.1uF		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	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1012	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1013	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1014	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1018	1-165-726-31	ELECT	56uF	20%	16V
C1019	1-107-381-91	MYLAR	0.012uF	5%	200V
C1020	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1021	1-165-746-31	ELECT	22uF	20%	50V
C1022	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1038	1-165-746-31	ELECT	22uF	20%	50V
		< CONNECTOR >			
CN1001	1-794-006-21	CONNECTOR 20P			
CN1002	1-794-005-11	CONNECTOR 19P			

Ref. No.	Part No.	Description			Remark
* CN1003	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CN1007	1-785-819-11	HOUSING, CONNECTOR (PC BOARD) 15P			
		< DIODE >			
D1002	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)			
D1003	6-500-458-01	LED SELU5E20C-PTP15 (MULTI CHANNEL DECODING)			
D1004	8-719-313-50	LED SEL6810A-TH12 (PHONO)			
D1005	8-719-313-50	LED SEL6810A-TH12 (TUNER)			
D1006	8-719-313-50	LED SEL6810A-TH12 (SA-CD/CD)			
D1007	8-719-313-50	LED SEL6810A-TH12 (MD/DAT)			
D1008	8-719-313-50	LED SEL6810A-TH12 (TAPE)			
D1009	8-719-313-50	LED SEL6810A-TH12 (TV/SAT)			
D1010	8-719-313-50	LED SEL6810A-TH12 (DVD)			
D1011	8-719-313-50	LED SEL6810A-TH12 (VIDEO3)			
D1012	8-719-313-50	LED SEL6810A-TH12 (VIDEO2)			
D1013	8-719-313-50	LED SEL6810A-TH12 (VIDEO1)			
D1015	8-719-041-97	DIODE MA113- (TX)			
D1016	8-719-041-97	DIODE MA113- (TX)			
D1017	8-719-041-97	DIODE MA113- (TX)			
D1018	8-719-041-97	DIODE MA113- (TX)			
D1019	8-719-056-84	DIODE UDZ-TE-17-7.5B			
		< FLUORESCENT INDICATOR >			
FL1001	1-519-763-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC1001	8-759-827-69	IC NJL63H400A-1			
IC1002	8-759-238-47	IC TC74HCT7007AF (EL)			
IC1003	8-759-238-47	IC TC74HCT7007AF (EL)			
IC1004	8-759-587-81	IC NJU3716M-TE2			
		< COIL >			
L1001	1-456-519-11	INDUCTOR	150uH		
		< TRANSISTOR >			
Q1001	8-729-808-42	TRANSISTOR	2SD1624-T		
Q1002	8-729-808-42	TRANSISTOR	2SD1624-T		
		< RESISTOR >			
R1001	1-216-001-00	RES-CHIP	10	5%	1/10W
⚠R1002	1-249-385-11	CARBON	2.2	5%	1/4W F
⚠R1003	1-249-385-11	CARBON	2.2	5%	1/4W F
R1004	1-216-025-11	RES-CHIP	100	5%	1/10W
R1005	1-216-025-11	RES-CHIP	100	5%	1/10W
R1006	1-216-025-11	RES-CHIP	100	5%	1/10W
R1007	1-216-025-11	RES-CHIP	100	5%	1/10W
R1008	1-216-025-11	RES-CHIP	100	5%	1/10W
R1009	1-216-025-11	RES-CHIP	100	5%	1/10W
R1010	1-216-025-11	RES-CHIP	100	5%	1/10W
R1011	1-216-025-11	RES-CHIP	100	5%	1/10W
R1012	1-216-025-11	RES-CHIP	100	5%	1/10W
R1013	1-216-025-11	RES-CHIP	100	5%	1/10W
R1014	1-216-025-11	RES-CHIP	100	5%	1/10W
R1016	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1017	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1018	1-216-089-11	RES-CHIP	47K	5%	1/10W

FL **FUNCTION** **HDMI POWER** **HP**

Ref. No.	Part No.	Description			Remark
R1020	1-216-037-00	RES-CHIP	330	5%	1/10W
R1021	1-216-037-00	RES-CHIP	330	5%	1/10W
R1022	1-216-022-00	RES-CHIP	75	5%	1/10W
R1023	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1024	1-216-029-00	RES-CHIP	150	5%	1/10W
R1026	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1027	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1028	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1029	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1030	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1031	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1032	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1033	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1034	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1035	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1036	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1037	1-216-025-11	RES-CHIP	100	5%	1/10W
R1038	1-216-025-11	RES-CHIP	100	5%	1/10W
R1039	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1040	1-216-295-00	SHORT CHIP	0		
		< SWITCH >			
S1001	1-771-349-21	SWITCH, KEYBOARD (i.LINK)			
S1002	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN)			
S1003	1-771-349-21	SWITCH, KEYBOARD (SURR BACK DECODING)			
S1004	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S1005	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)			
S1006	1-771-349-21	SWITCH, KEYBOARD (USER PRESET)			
S1007	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)			
S1008	1-771-349-21	SWITCH, KEYBOARD (FM/AM)			
S1009	1-771-349-21	SWITCH, KEYBOARD (TUNING +)			
S1010	1-771-349-21	SWITCH, KEYBOARD (TUNING –)			
S1011	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING +)			
S1012	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING –)			
		< TRANSFORMER >			
T1001	1-439-837-11	TRANSFORMER, DC-DC CONVERTER			
**********					
	1-688-726-11	FUNCTION BOARD			
		**********			
		< CONNECTOR >			
* CN1005	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
		< RESISTOR >			
R1055	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
		< VARIABLE RESISTOR >			
RV1006	1-418-589-11	ENCODER, ROTARY (INPUT SELECTOR)			
		< SWITCH >			
S1014	1-771-349-21	SWITCH, KEYBOARD (HDMI)			
**********					

Ref. No.	Part No.	Description			Remark
		HDMI POWER BOARD			
		**********			
		< CAPACITOR >			
C5401	1-117-305-51	ELECT	2700uF	20%	16V
C5402	1-117-249-51	ELECT	1200uF	20%	6.3V
C5403	1-117-249-51	ELECT	1200uF	20%	6.3V
		< CONNECTOR >			
CN5401	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
CN5402	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
		< DIODE >			
D5401	8-719-301-45	DIODE RK14			
		< EARTH TERMINAL >			
* EP5401	1-537-738-21	TERMINAL, EARTH			
		< IC >			
IC5401	8-759-474-09	IC SI-8050S-LF1101			
		< COIL >			
L5401	1-456-545-11	INDUCTOR	100uH		
L5402	1-456-545-11	INDUCTOR	100uH		
		< TRANSISTOR >			
Q5401	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q5402	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q5403	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R5401	1-216-073-00	RES-CHIP	10K	5%	1/10W
**********					
	1-688-723-11	HP BOARD			
		**********			
		< CAPACITOR >			
C1025	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1026	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1027	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1041	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< 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)			
		< JUMPER RESISTOR >			
JW1011	1-216-295-00	SHORT CHIP	0		
JW1012	1-216-295-00	SHORT CHIP	0		
JW1013	1-216-295-00	SHORT CHIP	0		
JW1014	1-216-295-00	SHORT CHIP	0		
**********					

Ref. No.	Part No.	Description			Remark
◊	A-1126-993-A	ILINK BOARD, COMPLETE (for SERVICE) **********			
		< CAPACITOR >			
C3001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3002	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C3003	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C3004	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3005	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3006	1-112-089-11	ELECT	47uF	20%	25V
C3007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3008	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C3009	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C3010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3011	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3020	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3022	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3029	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3030	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3038	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3040	1-112-117-11	ELECT	220uF	20%	10V
C3041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3042	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3043	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3044	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3045	1-112-089-11	ELECT	47uF	20%	25V
C3046	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3047	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3054	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

◊ Please refer to "NOTE OF HANDLING THE ILINK BOARD (Part No. A-1126-993-A)" on the service note (Page 5) for handling of this board.

Ref. No.	Part No.	Description			Remark
C3055	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3056	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3057	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3059	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3060	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3061	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3063	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3064	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3065	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3066	1-112-120-11	ELECT	1000uF	20%	10V
C3067	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3068	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3069	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3070	1-136-171-00	MYLAR	0.33uF	5%	50V
C3071	1-136-748-11	MYLAR	3.3uF	5%	50V
C3072	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3073	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3074	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3078	1-112-120-11	ELECT	1000uF	20%	10V
C3079	1-124-699-11	ELECT	220uF	20%	25V
C3080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3081	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3082	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3083	1-124-724-11	ELECT	47uF	20%	50V
C3084	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3085	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3086	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3087	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3088	1-124-724-11	ELECT	47uF	20%	50V
C3089	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3091	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3092	1-112-119-11	ELECT	470uF	20%	10V
C3093	1-124-673-11	ELECT	100uF	20%	10V
C3094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3095	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3201	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3205	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3207	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3208	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3209	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3212	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3213	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3214	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3215	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

ILINK

Ref. No.	Part No.	Description			Remark
C3217	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3218	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3219	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3220	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3225	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3226	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3229	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3231	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C3232	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3233	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3235	1-124-779-00	ELECT CHIP	10uF	20%	16V
C3236	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3237	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3238	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3239	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3241	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3242	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3243	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3244	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3245	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3249	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3251	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3252	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3253	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3254	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3255	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3256	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3258	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3259	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3260	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3261	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3262	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3263	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C3264	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3266	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3267	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3268	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3269	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3270	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3281	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3282	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3283	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3284	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3285	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3286	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3287	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3288	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3289	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3290	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3291	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3292	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3293	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3294	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3295	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3296	1-128-994-21	ELECT CHIP	47uF	20%	10V
C3297	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3298	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C3401	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3403	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3404	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3405	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3406	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3407	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3408	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3409	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3410	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3411	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3412	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3413	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3414	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3416	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3417	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3418	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3420	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3421	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3424	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3425	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3426	1-135-834-11	CERAMIC CHIP	2.2uF		6.3V
C3427	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3428	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3429	1-135-834-11	CERAMIC CHIP	2.2uF		6.3V
C3430	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3431	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3432	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3433	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3434	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3435	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3436	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3437	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3438	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3439	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3440	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3441	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3442	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3443	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C3444	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3445	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3446	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3447	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3448	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3449	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3450	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3451	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3452	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3453	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3454	1-165-672-21	ELECT CHIP	47uF	20%	10V
C3455	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3456	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3457	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3458	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3501	1-126-393-11	ELECT CHIP	33uF	20%	10V
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3505	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3506	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3507	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3508	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3509	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3510	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3511	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3512	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3513	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3514	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3515	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3516	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3517	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3518	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3520	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3521	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3522	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3523	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3528	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3530	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3533	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3534	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3535	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3536	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3537	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3538	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3539	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3540	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3541	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3542	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3543	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3546	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3547	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C3548	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3549	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3550	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C3551	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3552	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3553	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3555	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3556	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3559	1-126-246-11	ELECT CHIP	220uF	20%	4V
C3560	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3561	1-165-671-21	ELECT CHIP	470uF	20%	6.3V

< CONNECTOR >

Ref. No.	Part No.	Description
CN3003	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P
CN3004	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P
* CN3005	1-564-728-11	PIN, CONNECTOR (SMALL TYPE) 12P
CN3201	1-818-086-21	HDMI CONNECTOR (HDMI ASSIGNABLE IN 1)
CN3202	1-818-086-21	HDMI CONNECTOR (HDMI ASSIGNABLE IN 2)
CN3204	1-569-299-11	SOCKET, CONNECTOR (L TYRE) 5P
CN3206	1-818-086-21	HDMI CONNECTOR (HDMI MONITOR OUT)
CN3402	1-779-993-11	PIN, CONNECTOR (PWB) 5P
CN5003	1-770-161-21	PIN, CONNECTOR (PC BOARD) 6P

< DIODE >

Ref. No.	Part No.	Description
D3001	8-719-988-61	DIODE 1SS355TE-17
D3002	8-719-988-61	DIODE 1SS355TE-17
D3003	8-719-988-61	DIODE 1SS355TE-17
D3004	8-719-988-61	DIODE 1SS355TE-17
D3006	8-719-053-18	DIODE 1SR154-400TE-25
D3205	8-719-988-61	DIODE 1SS355TE-17
D3206	8-719-988-61	DIODE 1SS355TE-17
D3207	8-719-988-61	DIODE 1SS355TE-17
D3208	8-719-988-61	DIODE 1SS355TE-17

< EARTH TERMINAL >

Ref. No.	Part No.	Description
* EB3401	1-537-738-21	TERMINAL, EARTH
* EB3402	1-537-738-21	TERMINAL, EARTH
* EB3403	1-537-738-21	TERMINAL, EARTH
* EB3404	1-537-738-21	TERMINAL, EARTH
* EB3405	1-537-738-21	TERMINAL, EARTH

< FERRITE BEAD/JUMPER RESISTOR >

Ref. No.	Part No.	Description
FB3001	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3002	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3003	1-469-139-21	FERRITE, EMI (SMD) (2012)
FB3004	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3005	1-469-139-21	FERRITE, EMI (SMD) (2012)
FB3006	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3007	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3008	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3201	1-216-864-11	SHORT CHIP 0
FB3202	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3203	1-469-152-11	FERRITE, EMI (SMD) (2012)

Ref. No.	Part No.	Description	Remark
FB3204	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3205	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3206	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3501	1-216-864-11	SHORT CHIP 0	
FB3503	1-216-864-11	SHORT CHIP 0	
		< IC >	
IC3001	(Not supplied)	IC S29AL008D70TFI01-TAA70-03	
IC3002	6-805-695-01	IC HD6432365A19FV-TAA70	
IC3003	6-706-766-01	IC TSB43CA42PGF	
IC3004	8-759-523-78	IC TC74VHC00FT (EL)	
IC3005	8-759-649-46	IC SN74AHC1G08DCKR	
IC3006	8-759-649-46	IC SN74AHC1G08DCKR	
IC3007	6-704-767-01	IC SN74AHC2G157HDCT	
IC3008	8-759-649-46	IC SN74AHC1G08DCKR	
IC3009	8-759-524-10	IC TC74VHC157FT (EL)	
IC3010	8-759-491-46	IC TC74VHCT04AFT (EL)	
IC3011	6-706-946-01	IC CXD9850Q	
IC3012	8-759-447-77	IC TC7WH74FU (TE12R)	
IC3013	8-759-524-10	IC TC74VHC157FT (EL)	
IC3014	6-706-653-01	IC DB-ACP401 (PD8112A)	
IC3015	8-759-835-63	IC NJM2391DL1-26 (TE1)	
IC3016	6-708-494-01	IC HY57V641620ETP-HDR	
IC3017	6-705-468-01	IC BA33BC0FP-E2	
IC3201	8-759-389-26	IC 74LCX08MTCX	
IC3202	6-704-001-01	IC BR24L02F-WE2	
IC3203	8-759-596-39	IC SN74LV4052APWR	
IC3204	8-759-486-25	IC SN74CBT3384APWR	
IC3205	(Not supplied)	IC SII9031CTU	
IC3206	8-759-486-25	IC SN74CBT3384APWR	
IC3207	8-759-486-25	IC SN74CBT3384APWR	
IC3208	(Not supplied)	IC SII9030CTU-1.1	
IC3209	6-805-360-02	IC uPD70F3210HYGC-8BT-A-A70	
IC3210	8-759-832-05	IC BA18BC0FP-E2	
IC3212	6-705-338-01	IC TK11250CMCL-G	
IC3213	6-705-468-01	IC BA33BC0FP-E2	
IC3214	6-705-338-01	IC TK11250CMCL-G	
IC3401	6-700-398-01	IC uPC2918T-E1	
IC3402	8-753-246-54	IC CXD3805AR	
IC3403	6-708-494-01	IC HY57V641620ETP-HDR	
IC3404	6-702-300-01	IC TK11118CSCL-G	
IC3405	6-705-468-01	IC BA33BC0FP-E2	
IC3501	(Not supplied)	IC BA25BC0WFP-E2	
IC3502	6-706-521-01	IC CXD9837R	
IC3503	6-703-791-01	IC MSM56V16160F-8T3FM1	
IC3504	6-707-997-01	IC ADV7320KSTZ	
IC3505	6-704-261-01	IC TK11225CMCL-G	
IC3506	8-759-649-46	IC SN74AHC1G08DCKR	
IC3507	6-705-468-01	IC BA33BC0FP-E2	
		< JACK >	
J3001	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (i.LINK S2000 (AUDIO)) (1)	
J3002	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (i.LINK S2000 (AUDIO)) (2)	

Ref. No.	Part No.	Description		
		< JUMPER RESISTOR >		
JW3442	1-216-864-11	SHORT CHIP 0		
JW3443	1-216-864-11	SHORT CHIP 0		
JW3444	1-216-864-11	SHORT CHIP 0		
		< COIL >		
L3001	1-456-799-11	COIL, COMMON MODE CHOKE		
L3002	1-456-799-11	COIL, COMMON MODE CHOKE		
L3003	1-456-799-11	COIL, COMMON MODE CHOKE		
L3004	1-456-799-11	COIL, COMMON MODE CHOKE		
L3201	1-469-525-11	INDUCTOR 10uH		
L3202	1-469-525-11	INDUCTOR 10uH		
L3203	1-469-525-11	INDUCTOR 10uH		
L3204	1-469-525-11	INDUCTOR 10uH		
L3205	1-469-525-11	INDUCTOR 10uH		
L3206	1-469-525-11	INDUCTOR 10uH		
L3207	1-469-525-11	INDUCTOR 10uH		
L3208	1-469-525-11	INDUCTOR 10uH		
L3401	1-469-525-11	INDUCTOR 10uH		
L3501	1-469-525-11	INDUCTOR 10uH		
		< TRANSISTOR >		
Q3201	8-729-029-14	TRANSISTOR DTC144EUA-T106		
Q3202	8-729-029-14	TRANSISTOR DTC144EUA-T106		
Q3203	8-729-029-14	TRANSISTOR DTC144EUA-T106		
Q3204	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)		
Q3205	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)		
Q3206	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)		
Q3207	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)		
Q3208	6-550-014-01	TRANSISTOR SSM6N15FU (TE85R)		
Q3209	8-729-216-22	TRANSISTOR 2SA1162-G		
Q3210	8-729-216-22	TRANSISTOR 2SA1162-G		
		< RESISTOR >		
R3001	1-216-864-11	SHORT CHIP 0		
R3002	1-216-821-11	METAL CHIP 1K	5%	1/10W
R3003	1-216-864-11	SHORT CHIP 0		
R3004	1-216-864-11	SHORT CHIP 0		
R3005	1-216-833-11	METAL CHIP 10K	5%	1/10W
R3006	1-216-857-11	METAL CHIP 1M	5%	1/10W
R3007	1-216-857-11	METAL CHIP 1M	5%	1/10W
R3008	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3009	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3010	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3011	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3012	1-216-833-11	METAL CHIP 10K	5%	1/10W
R3013	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3014	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3015	1-216-833-11	METAL CHIP 10K	5%	1/10W
R3016	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3017	1-208-359-81	RES-CHIP 56	0.5%	1/10W
R3018	1-216-833-11	METAL CHIP 10K	5%	1/10W
R3019	1-216-833-11	METAL CHIP 10K	5%	1/10W
R3020	1-216-805-11	METAL CHIP 47	5%	1/10W
R3021	1-216-805-11	METAL CHIP 47	5%	1/10W
R3022	1-216-805-11	METAL CHIP 47	5%	1/10W
R3023	1-216-805-11	METAL CHIP 47	5%	1/10W
R3024	1-216-833-11	METAL CHIP 10K	5%	1/10W

New part of flash memory (IC3001) on the ILINK board cannot be used. Therefore, if the mounted ILINK board is replaced, exchange new flash memory (IC3001) with that used before the replacement.

Ref. No.	Part No.	Description			Remark
R3025	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3027	1-216-864-11	SHORT CHIP	0		
R3028	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3030	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3031	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3032	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3033	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3034	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3035	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3036	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3037	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3038	1-216-864-11	SHORT CHIP	0		
R3039	1-216-864-11	SHORT CHIP	0		
R3040	1-216-864-11	SHORT CHIP	0		
R3041	1-216-864-11	SHORT CHIP	0		
R3042	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3043	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3044	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3045	1-216-809-11	METAL CHIP	100	5%	1/10W
R3046	1-216-809-11	METAL CHIP	100	5%	1/10W
R3047	1-216-809-11	METAL CHIP	100	5%	1/10W
R3048	1-216-809-11	METAL CHIP	100	5%	1/10W
R3049	1-216-809-11	METAL CHIP	100	5%	1/10W
R3050	1-216-809-11	METAL CHIP	100	5%	1/10W
R3051	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R3052	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R3053	1-216-864-11	SHORT CHIP	0		
R3054	1-216-864-11	SHORT CHIP	0		
R3055	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R3056	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R3057	1-216-809-11	METAL CHIP	100	5%	1/10W
R3058	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3059	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3060	1-216-864-11	SHORT CHIP	0		
R3061	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3062	1-216-809-11	METAL CHIP	100	5%	1/10W
R3063	1-216-809-11	METAL CHIP	100	5%	1/10W
R3064	1-216-809-11	METAL CHIP	100	5%	1/10W
R3065	1-216-809-11	METAL CHIP	100	5%	1/10W
R3066	1-216-809-11	METAL CHIP	100	5%	1/10W
R3067	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3068	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3069	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3070	1-216-809-11	METAL CHIP	100	5%	1/10W
R3071	1-216-809-11	METAL CHIP	100	5%	1/10W
R3072	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3073	1-216-809-11	METAL CHIP	100	5%	1/10W
R3074	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3075	1-216-809-11	METAL CHIP	100	5%	1/10W
R3076	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3077	1-216-809-11	METAL CHIP	100	5%	1/10W
R3078	1-216-864-11	SHORT CHIP	0		
R3079	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3080	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3081	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3082	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3084	1-216-864-11	SHORT CHIP	0		
R3085	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3086	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3087	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3089	1-216-864-11	SHORT CHIP	0		
R3090	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3091	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3092	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3093	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3095	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3097	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3098	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3099	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3100	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3101	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3103	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3104	1-216-864-11	SHORT CHIP	0		
R3105	1-216-809-11	METAL CHIP	100	5%	1/10W
R3106	1-216-809-11	METAL CHIP	100	5%	1/10W
R3107	1-216-809-11	METAL CHIP	100	5%	1/10W
R3108	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3109	1-216-864-11	SHORT CHIP	0		
R3110	1-216-864-11	SHORT CHIP	0		
R3111	1-216-864-11	SHORT CHIP	0		
R3112	1-216-809-11	METAL CHIP	100	5%	1/10W
R3113	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3114	1-216-809-11	METAL CHIP	100	5%	1/10W
R3115	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3116	1-216-809-11	METAL CHIP	100	5%	1/10W
R3117	1-216-809-11	METAL CHIP	100	5%	1/10W
R3118	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3119	1-216-809-11	METAL CHIP	100	5%	1/10W
R3120	1-216-805-11	METAL CHIP	47	5%	1/10W
R3121	1-216-805-11	METAL CHIP	47	5%	1/10W
R3122	1-216-864-11	SHORT CHIP	0		
R3123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3124	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3125	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3127	1-216-809-11	METAL CHIP	100	5%	1/10W
R3128	1-216-864-11	SHORT CHIP	0		
R3129	1-216-809-11	METAL CHIP	100	5%	1/10W
R3130	1-216-805-11	METAL CHIP	47	5%	1/10W
R3131	1-216-864-11	SHORT CHIP	0		
R3132	1-216-809-11	METAL CHIP	100	5%	1/10W
R3133	1-216-809-11	METAL CHIP	100	5%	1/10W
R3134	1-216-805-11	METAL CHIP	47	5%	1/10W
R3135	1-216-809-11	METAL CHIP	100	5%	1/10W
R3136	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3137	1-216-809-11	METAL CHIP	100	5%	1/10W
R3138	1-216-809-11	METAL CHIP	100	5%	1/10W
R3139	1-216-864-11	SHORT CHIP	0		
R3140	1-216-805-11	METAL CHIP	47	5%	1/10W
R3141	1-208-438-81	RES-CHIP	1.1K	0.5%	1/10W
R3142	1-216-805-11	METAL CHIP	47	5%	1/10W

ILINK

Ref. No.	Part No.	Description			Remark
R3143	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R3144	1-216-864-11	SHORT CHIP	0		
R3145	1-216-813-11	METAL CHIP	220	5%	1/10W
R3146	1-216-864-11	SHORT CHIP	0		
R3147	1-216-864-11	SHORT CHIP	0		
R3148	1-216-809-11	METAL CHIP	100	5%	1/10W
R3149	1-216-864-11	SHORT CHIP	0		
R3151	1-216-809-11	METAL CHIP	100	5%	1/10W
R3152	1-216-809-11	METAL CHIP	100	5%	1/10W
R3153	1-216-809-11	METAL CHIP	100	5%	1/10W
R3154	1-216-809-11	METAL CHIP	100	5%	1/10W
R3155	1-216-809-11	METAL CHIP	100	5%	1/10W
R3156	1-216-809-11	METAL CHIP	100	5%	1/10W
R3157	1-216-809-11	METAL CHIP	100	5%	1/10W
R3158	1-216-809-11	METAL CHIP	100	5%	1/10W
R3159	1-216-809-11	METAL CHIP	100	5%	1/10W
R3160	1-216-809-11	METAL CHIP	100	5%	1/10W
R3161	1-216-809-11	METAL CHIP	100	5%	1/10W
R3162	1-216-809-11	METAL CHIP	100	5%	1/10W
R3201	1-216-864-11	SHORT CHIP	0		
R3202	1-216-864-11	SHORT CHIP	0		
R3203	1-216-864-11	SHORT CHIP	0		
R3204	1-216-864-11	SHORT CHIP	0		
R3205	1-216-805-11	METAL CHIP	47	5%	1/10W
R3206	1-216-805-11	METAL CHIP	47	5%	1/10W
R3207	1-216-805-11	METAL CHIP	47	5%	1/10W
R3208	1-216-805-11	METAL CHIP	47	5%	1/10W
R3209	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3210	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3211	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3212	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3213	1-216-805-11	METAL CHIP	47	5%	1/10W
R3214	1-216-805-11	METAL CHIP	47	5%	1/10W
R3215	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3216	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3217	1-216-805-11	METAL CHIP	47	5%	1/10W
R3218	1-216-805-11	METAL CHIP	47	5%	1/10W
R3219	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3220	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3221	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3222	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3223	1-216-864-11	SHORT CHIP	0		
R3224	1-216-864-11	SHORT CHIP	0		
R3225	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3226	1-216-805-11	METAL CHIP	47	5%	1/10W
R3227	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3228	1-216-809-11	METAL CHIP	100	5%	1/10W
R3229	1-216-805-11	METAL CHIP	47	5%	1/10W
R3230	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3231	1-216-805-11	METAL CHIP	47	5%	1/10W
R3232	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3233	1-216-805-11	METAL CHIP	47	5%	1/10W
R3235	1-216-809-11	METAL CHIP	100	5%	1/10W
R3236	1-216-805-11	METAL CHIP	47	5%	1/10W
R3237	1-216-864-11	SHORT CHIP	0		
R3238	1-216-809-11	METAL CHIP	100	5%	1/10W
R3239	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3240	1-216-864-11	SHORT CHIP	0		
R3241	1-216-809-11	METAL CHIP	100	5%	1/10W
R3242	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3243	1-216-864-11	SHORT CHIP	0		
R3244	1-216-809-11	METAL CHIP	100	5%	1/10W
R3245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3246	1-216-809-11	METAL CHIP	100	5%	1/10W
R3247	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3248	1-216-809-11	METAL CHIP	100	5%	1/10W
R3249	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3250	1-216-805-11	METAL CHIP	47	5%	1/10W
R3251	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3252	1-216-805-11	METAL CHIP	47	5%	1/10W
R3253	1-216-809-11	METAL CHIP	100	5%	1/10W
R3254	1-216-809-11	METAL CHIP	100	5%	1/10W
R3255	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3256	1-216-809-11	METAL CHIP	100	5%	1/10W
R3257	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3258	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3259	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3261	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3262	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3263	1-216-803-11	METAL CHIP	33	5%	1/10W
R3264	1-216-809-11	METAL CHIP	100	5%	1/10W
R3265	1-216-864-11	SHORT CHIP	0		
R3266	1-216-801-11	METAL CHIP	22	5%	1/10W
R3267	1-216-801-11	METAL CHIP	22	5%	1/10W
R3268	1-216-801-11	METAL CHIP	22	5%	1/10W
R3269	1-216-801-11	METAL CHIP	22	5%	1/10W
R3270	1-216-801-11	METAL CHIP	22	5%	1/10W
R3271	1-216-801-11	METAL CHIP	22	5%	1/10W
R3272	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3273	1-216-801-11	METAL CHIP	22	5%	1/10W
R3274	1-216-801-11	METAL CHIP	22	5%	1/10W
R3275	1-216-805-11	METAL CHIP	47	5%	1/10W
R3276	1-216-805-11	METAL CHIP	47	5%	1/10W
R3277	1-216-805-11	METAL CHIP	47	5%	1/10W
R3278	1-216-864-11	SHORT CHIP	0		
R3279	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3280	1-216-864-11	SHORT CHIP	0		
R3281	1-216-805-11	METAL CHIP	47	5%	1/10W
R3282	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3283	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3284	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3285	1-216-864-11	SHORT CHIP	0		
R3286	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3287	1-216-805-11	METAL CHIP	47	5%	1/10W
R3288	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3289	1-216-805-11	METAL CHIP	47	5%	1/10W
R3290	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3291	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3292	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3293	1-216-864-11	SHORT CHIP	0		
R3294	1-216-864-11	SHORT CHIP	0		
R3295	1-216-864-11	SHORT CHIP	0		
R3296	1-216-864-11	SHORT CHIP	0		
R3297	1-218-289-11	METAL CHIP	510	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3298	1-216-864-11	SHORT CHIP	0		
R3299	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3300	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3301	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3302	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3303	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3304	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3305	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3307	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3309	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3310	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3311	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3312	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3313	1-216-805-11	METAL CHIP	47	5%	1/10W
R3314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3315	1-216-864-11	SHORT CHIP	0		
R3316	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3317	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3318	1-216-864-11	SHORT CHIP	0		
R3319	1-218-288-11	METAL CHIP	300	5%	1/10W
R3320	1-218-288-11	METAL CHIP	300	5%	1/10W
R3321	1-218-288-11	METAL CHIP	300	5%	1/10W
R3322	1-218-288-11	METAL CHIP	300	5%	1/10W
R3323	1-216-864-11	SHORT CHIP	0		
R3324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3325	1-216-805-11	METAL CHIP	47	5%	1/10W
R3326	1-216-805-11	METAL CHIP	47	5%	1/10W
R3327	1-216-805-11	METAL CHIP	47	5%	1/10W
R3328	1-216-805-11	METAL CHIP	47	5%	1/10W
R3329	1-216-805-11	METAL CHIP	47	5%	1/10W
R3332	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3333	1-216-864-11	SHORT CHIP	0		
R3334	1-216-864-11	SHORT CHIP	0		
R3335	1-216-864-11	SHORT CHIP	0		
R3336	1-216-864-11	SHORT CHIP	0		
R3337	1-216-864-11	SHORT CHIP	0		
R3338	1-216-864-11	SHORT CHIP	0		
R3339	1-216-864-11	SHORT CHIP	0		
R3340	1-216-864-11	SHORT CHIP	0		
R3341	1-216-864-11	SHORT CHIP	0		
R3342	1-216-864-11	SHORT CHIP	0		
R3361	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3362	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3363	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3364	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3365	1-216-809-11	METAL CHIP	100	5%	1/10W
R3366	1-216-809-11	METAL CHIP	100	5%	1/10W
R3367	1-216-809-11	METAL CHIP	100	5%	1/10W
R3368	1-216-809-11	METAL CHIP	100	5%	1/10W
R3369	1-216-809-11	METAL CHIP	100	5%	1/10W
R3370	1-216-809-11	METAL CHIP	100	5%	1/10W
R3371	1-216-809-11	METAL CHIP	100	5%	1/10W
R3372	1-216-809-11	METAL CHIP	100	5%	1/10W
R3373	1-216-809-11	METAL CHIP	100	5%	1/10W
R3374	1-216-809-11	METAL CHIP	100	5%	1/10W
R3401	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R3402	1-216-805-11	METAL CHIP	47	5%	1/10W
R3403	1-216-805-11	METAL CHIP	47	5%	1/10W
R3404	1-216-864-11	SHORT CHIP	0		
R3405	1-216-864-11	SHORT CHIP	0		
R3406	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3407	1-216-864-11	SHORT CHIP	0		
R3408	1-216-864-11	SHORT CHIP	0		
R3409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3410	1-216-864-11	SHORT CHIP	0		
R3411	1-216-864-11	SHORT CHIP	0		
R3414	1-216-864-11	SHORT CHIP	0		
R3416	1-216-864-11	SHORT CHIP	0		
R3417	1-216-813-11	METAL CHIP	220	5%	1/10W
R3418	1-216-801-11	METAL CHIP	22	5%	1/10W
R3419	1-216-801-11	METAL CHIP	22	5%	1/10W
R3420	1-216-801-11	METAL CHIP	22	5%	1/10W
R3421	1-216-801-11	METAL CHIP	22	5%	1/10W
R3422	1-216-801-11	METAL CHIP	22	5%	1/10W
R3423	1-216-801-11	METAL CHIP	22	5%	1/10W
R3424	1-216-801-11	METAL CHIP	22	5%	1/10W
R3425	1-216-801-11	METAL CHIP	22	5%	1/10W
R3426	1-216-801-11	METAL CHIP	22	5%	1/10W
R3427	1-216-801-11	METAL CHIP	22	5%	1/10W
R3428	1-216-801-11	METAL CHIP	22	5%	1/10W
R3429	1-216-801-11	METAL CHIP	22	5%	1/10W
R3430	1-216-801-11	METAL CHIP	22	5%	1/10W
R3432	1-216-864-11	SHORT CHIP	0		
R3433	1-216-864-11	SHORT CHIP	0		
R3434	1-216-864-11	SHORT CHIP	0		
R3435	1-216-864-11	SHORT CHIP	0		
R3436	1-216-864-11	SHORT CHIP	0		
R3438	1-216-864-11	SHORT CHIP	0		
R3440	1-216-864-11	SHORT CHIP	0		
R3442	1-216-864-11	SHORT CHIP	0		
R3443	1-216-864-11	SHORT CHIP	0		
R3444	1-216-864-11	SHORT CHIP	0		
R3445	1-216-864-11	SHORT CHIP	0		
R3446	1-216-864-11	SHORT CHIP	0		
R3447	1-216-864-11	SHORT CHIP	0		
R3448	1-216-864-11	SHORT CHIP	0		
R3449	1-216-864-11	SHORT CHIP	0		
R3450	1-216-864-11	SHORT CHIP	0		
R3451	1-216-864-11	SHORT CHIP	0		
R3452	1-216-864-11	SHORT CHIP	0		
R3453	1-216-864-11	SHORT CHIP	0		
R3501	1-216-809-11	METAL CHIP	100	5%	1/10W
R3502	1-216-864-11	SHORT CHIP	0		
R3503	1-216-809-11	METAL CHIP	100	5%	1/10W
R3504	1-216-864-11	SHORT CHIP	0		
R3505	1-216-864-11	SHORT CHIP	0		
R3506	1-216-864-11	SHORT CHIP	0		
R3507	1-216-864-11	SHORT CHIP	0		
R3508	1-216-801-11	METAL CHIP	22	5%	1/10W
R3509	1-216-864-11	SHORT CHIP	0		
R3510	1-216-801-11	METAL CHIP	22	5%	1/10W
R3511	1-216-801-11	METAL CHIP	22	5%	1/10W
R3512	1-216-801-11	METAL CHIP	22	5%	1/10W
R3513	1-216-801-11	METAL CHIP	22	5%	1/10W

ILINK **JOG**

Ref. No.	Part No.	Description			Remark
R3514	1-216-801-11	METAL CHIP	22	5%	1/10W
R3515	1-216-801-11	METAL CHIP	22	5%	1/10W
R3516	1-216-864-11	SHORT CHIP	0		
R3517	1-216-801-11	METAL CHIP	22	5%	1/10W
R3518	1-216-801-11	METAL CHIP	22	5%	1/10W
R3519	1-216-801-11	METAL CHIP	22	5%	1/10W
R3520	1-216-801-11	METAL CHIP	22	5%	1/10W
R3521	1-216-801-11	METAL CHIP	22	5%	1/10W
R3522	1-216-801-11	METAL CHIP	22	5%	1/10W
R3523	1-216-801-11	METAL CHIP	22	5%	1/10W
R3524	1-216-801-11	METAL CHIP	22	5%	1/10W
R3525	1-216-864-11	SHORT CHIP	0		
R3526	1-216-801-11	METAL CHIP	22	5%	1/10W
R3527	1-216-864-11	SHORT CHIP	0		
R3528	1-216-864-11	SHORT CHIP	0		
R3529	1-216-801-11	METAL CHIP	22	5%	1/10W
R3530	1-216-801-11	METAL CHIP	22	5%	1/10W
R3531	1-216-801-11	METAL CHIP	22	5%	1/10W
R3532	1-216-801-11	METAL CHIP	22	5%	1/10W
R3533	1-216-801-11	METAL CHIP	22	5%	1/10W
R3534	1-216-864-11	SHORT CHIP	0		
R3535	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R3536	1-216-864-11	SHORT CHIP	0		
R3537	1-216-864-11	SHORT CHIP	0		
R3538	1-216-864-11	SHORT CHIP	0		
R3539	1-216-864-11	SHORT CHIP	0		
R3540	1-216-864-11	SHORT CHIP	0		
R3542	1-216-864-11	SHORT CHIP	0		
R3544	1-216-864-11	SHORT CHIP	0		
R3545	1-216-864-11	SHORT CHIP	0		
R3546	1-216-864-11	SHORT CHIP	0		
R3548	1-216-864-11	SHORT CHIP	0		
R3550	1-216-819-11	METAL CHIP	680	5%	1/10W
R3551	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3552	1-216-809-11	METAL CHIP	100	5%	1/10W
R3553	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3554	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3557	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3558	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3559	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3560	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3561	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3562	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3574	1-216-864-11	SHORT CHIP	0		
R3575	1-216-864-11	SHORT CHIP	0		
R3576	1-216-864-11	SHORT CHIP	0		
R3577	1-216-864-11	SHORT CHIP	0		
R3578	1-216-864-11	SHORT CHIP	0		
R3579	1-216-864-11	SHORT CHIP	0		
R3581	1-216-864-11	SHORT CHIP	0		
R3582	1-216-864-11	SHORT CHIP	0		
R3583	1-216-864-11	SHORT CHIP	0		
R3584	1-216-864-11	SHORT CHIP	0		
R3585	1-216-801-11	METAL CHIP	22	5%	1/10W
R3586	1-216-801-11	METAL CHIP	22	5%	1/10W
R3587	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
		< COMPOSITION CIRCUIT BLOCK >			
RB3201	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3202	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3203	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3204	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3205	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3206	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3207	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3401	1-233-574-11	RES, CHIP NETWORK	10 (3216)		
RB3402	1-233-574-11	RES, CHIP NETWORK	10 (3216)		
RB3404	1-233-574-11	RES, CHIP NETWORK	10 (3216)		
RB3405	1-233-574-11	RES, CHIP NETWORK	10 (3216)		
RB3407	1-234-523-21	RES, CHIP NETWORK	0 (3216)		
RB3408	1-234-523-21	RES, CHIP NETWORK	0 (3216)		
RB3409	1-233-575-11	RES, CHIP NETWORK	22 (3216)		
RB3410	1-233-575-11	RES, CHIP NETWORK	22 (3216)		
RB3411	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB3412	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB3413	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB3414	1-233-576-11	RES, CHIP NETWORK	100 (3216)		
RB3501	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3502	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3503	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3504	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3505	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3506	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
RB3507	1-239-409-11	RES, CHIP NETWORK	47 (3216)		
		< VARIABLE RESISTOR >			
RV3501	1-241-761-11	RES, ADJ CERMET	1K		
RV3502	1-241-761-11	RES, ADJ CERMET	1K		
		< VIBRATOR >			
X3001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X3002	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X3201	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)			
X3202	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			
X3401	1-795-984-11	OSCILLATOR, CRYSTAL (27MHz)			
**********					
	1-688-724-11	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	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1044	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1045	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1046	1-216-089-11	RES-CHIP	47K	5%	1/10W

JOG | KEYBOARD | LED | MOTHER COM

Ref. No.	Part No.	Description			Remark
		< 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)			
**********					
	1-688-729-11	KEYBOARD BOARD			
		**********			
		< RESISTOR >			
R1056	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1057	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1058	1-216-049-11	RES-CHIP	1K	5%	1/10W
		< SWITCH >			
S1015	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S1016	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)			
S1017	1-771-349-21	SWITCH, KEYBOARD (MOVIE)			
S1018	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			
**********					
		LED BOARD			
		**********			
		< CAPACITOR >			
C1064	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1065	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
* CN1021	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< LED >			
D1014	6-501-033-01	LED SMLU1DE16W-BPTP4 (HDMI/i.LINK)			
		< RESISTOR >			
R1025	1-216-025-11	RES-CHIP	100	5%	1/10W
R1063	1-216-041-00	RES-CHIP	470	5%	1/10W
R1064	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1065	1-216-073-00	RES-CHIP	10K	5%	1/10W
**********					
	A-1101-893-A	MOTHER COM BOARD, COMPLETE			
		**********			
	1-533-217-41	HOLDER, FUSE			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C1410	1-100-621-11	ELECT	470uF	20%	10V
C1411	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1412	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1419	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1420	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1421	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark
C1422	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1428	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1430	1-100-621-11	ELECT	470uF	20%	10V
C1443	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C2176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2177	1-104-665-11	ELECT	100uF	20%	25V
C2179	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C2197	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2198	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2199	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2201	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2202	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2203	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5197	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5198	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5199	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5200	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5201	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5202	1-112-084-11	ELECT	470uF	20%	16V
C5203	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5204	1-112-086-11	ELECT	2200uF	20%	16V
C5205	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5206	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5207	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5208	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5209	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5210	1-104-666-11	ELECT	220uF	20%	25V
C5211	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5212	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5213	1-112-085-11	ELECT	1000uF	20%	16V
C5214	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5215	1-112-084-11	ELECT	470uF	20%	16V
C5216	1-112-085-11	ELECT	1000uF	20%	16V
C5217	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5218	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5219	1-112-084-11	ELECT	470uF	20%	16V
C5220	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5221	1-112-084-11	ELECT	470uF	20%	16V
C5222	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5223	1-112-085-11	ELECT	1000uF	20%	16V
C5224	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5225	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5226	1-112-084-11	ELECT	470uF	20%	16V
C5227	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5228	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5229	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5230	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5231	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5232	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5233	1-126-941-11	ELECT	470uF	20%	25V
C5237	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5238	1-100-024-21	ELECT	330uF	20%	16V
C5239	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5241	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5242	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5243	1-112-084-11	ELECT	470uF	20%	16V
C5244	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5245	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V

MOTHER COM

Ref. No.	Part No.	Description			Remark
C5246	1-112-095-11	ELECT	3300uF	20%	35V
C5247	1-112-095-11	ELECT	3300uF	20%	35V
C5248	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5249	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5250	1-112-085-11	ELECT	1000uF	20%	16V
C5251	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5252	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5253	1-112-085-11	ELECT	1000uF	20%	16V
C5254	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5255	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5256	1-126-935-11	ELECT	470uF	20%	16V
C5257	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5258	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5259	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5261	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5262	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5263	1-126-942-61	ELECT	1000uF	20%	25V
C5264	1-126-964-11	ELECT	10uF	20%	50V
C5266	1-126-768-11	ELECT	2200uF	20%	16V
C5267	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5271	1-126-947-11	ELECT	47uF	20%	35V
C5272	1-126-947-11	ELECT	47uF	20%	35V
C5273	1-126-947-11	ELECT	47uF	20%	35V
C5274	1-126-947-11	ELECT	47uF	20%	35V
C5275	1-126-947-11	ELECT	47uF	20%	35V
C5276	1-126-947-11	ELECT	47uF	20%	35V
C5277	1-126-947-11	ELECT	47uF	20%	35V
C5281	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5282	1-112-177-11	ELECT	330uF	20%	16V
C5283	1-104-662-91	ELECT	22uF	20%	25V
C5284	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5291	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5292	1-104-662-91	ELECT	22uF	20%	25V
C5293	1-112-177-11	ELECT	330uF	20%	16V
C5294	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5301	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C5302	1-100-621-11	ELECT	470uF	20%	10V
C5303	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5307	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5310	1-137-150-11	FILM	0.01uF	5%	100V
C5311	1-128-552-51	ELECT	47uF	20%	63V
C5320	1-137-150-11	FILM	0.01uF	5%	100V
C5321	1-128-552-51	ELECT	47uF	20%	63V
C5331	1-112-013-12	ELECT (BLOCK)	6800uF	20%	71V
C5341	1-112-013-12	ELECT (BLOCK)	6800uF	20%	71V
C5342	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5343	1-112-441-11	ELECT	1000uF	20%	50V
C5345	1-104-665-11	ELECT	100uF	20%	25V
C5346	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5351	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5352	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C5357	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5358	1-137-150-11	FILM	0.01uF	5%	100V
C5359	1-100-598-11	MYLAR	1uF	5%	250V
C5360	1-112-112-11	ELECT	1000uF	20%	100V
C5361	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5362	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5363	1-112-084-11	ELECT	470uF	20%	16V
C5364	1-112-083-11	ELECT	100uF	20%	16V
C5365	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C5366	1-112-084-11	ELECT	470uF	20%	16V
C5367	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C5368	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C5370	1-112-177-11	ELECT	330uF	20%	16V
C5375	1-112-177-11	ELECT	330uF	20%	16V
C5376	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C5378	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5379	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C5397	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C5427	1-112-089-11	ELECT	47uF	20%	25V
C5434	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C5435	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V

< CONNECTOR >

Ref. No.	Part No.	Description
CN1404	1-691-769-11	PLUG (MICRO CONNECTOR) 7P
* CN1412	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P
* CN1413	1-770-747-11	CONNECTOR, BOARD TO BOARD 12P
CN2004	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P
CN2006	1-569-815-11	CONNECTOR, BOARD TO BOARD 21P
CN5201	1-691-768-11	PLUG (MICRO CONNECTOR) 6P
CN5205	1-564-505-11	PLUG, CONNECTOR 2P
CN5206	1-691-765-11	PLUG (MICRO CONNECTOR) 3P
CN5207	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P
CN5208	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P
CN5215	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P
CN5216	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P
* CN5231	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P
CN5240	1-568-673-11	CONNECTOR, BOARD TO BOARD 14P
CN5251	1-691-773-11	PLUG (MICRO CONNECTOR) 11P
CN5261	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P
CN5280	1-568-673-11	CONNECTOR, BOARD TO BOARD 14P
CNS805	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P

< DIODE >

Ref. No.	Part No.	Description
D1415	8-719-988-61	DIODE 1SS355TE-17
D1416	8-719-988-61	DIODE 1SS355TE-17
D1417	8-719-988-61	DIODE 1SS355TE-17
D5210	8-719-210-39	DIODE EC10QS-04
D5213	8-719-210-39	DIODE EC10QS-04
D5214	8-719-210-39	DIODE EC10QS-04
D5215	8-719-210-39	DIODE EC10QS-04
D5224	8-719-053-18	DIODE 1SR154-400TE-25
D5241	8-719-028-23	DIODE D3SBA20-4101
D5242	8-719-053-18	DIODE 1SR154-400TE-25
D5243	8-719-053-18	DIODE 1SR154-400TE-25
D5261	8-719-028-23	DIODE D3SBA20-4101
D5262	8-719-988-61	DIODE 1SS355TE-17
D5263	8-719-069-56	DIODE UDZSTE-176.2B
D5264	8-719-069-56	DIODE UDZSTE-176.2B
D5310	8-719-988-61	DIODE 1SS355TE-17
D5311	8-719-988-61	DIODE 1SS355TE-17
D5312	8-719-988-61	DIODE 1SS355TE-17
D5320	8-719-988-61	DIODE 1SS355TE-17
D5321	8-719-988-61	DIODE 1SS355TE-17

Ref. No.	Part No.	Description	Remark
D5322	8-719-988-61	DIODE 1SS355TE-17	
D5330	8-719-073-69	DIODE PTZ-TE25-6.2A	
D5340	8-719-073-69	DIODE PTZ-TE25-6.2A	
		< EARTH TERMINAL >	
* EP5203	1-537-738-21	TERMINAL, EARTH	
* EP5209	1-537-738-21	TERMINAL, EARTH	
		< FERRITE BEAD >	
FB801	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB803	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB804	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1401	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1402	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC1403	8-759-058-62	IC TC7S08FU (TE85R)	
IC1800	6-806-004-01	IC MB89537APFM-G-694E1	
IC1801	8-759-008-37	IC MC74HC4050F	
IC5201	8-759-445-59	IC BA033T	
IC5206	8-759-245-84	IC TA79010S	
IC5210	8-759-450-47	IC BA05T	
IC5211	8-759-445-59	IC BA033T	
IC5212	8-759-445-59	IC BA033T	
IC5213	6-707-802-01	IC BA00CC0WT (-V5)	
IC5214	8-759-496-15	IC BA05ST-V5	
IC5215	8-759-496-15	IC BA05ST-V5	
IC5221	8-759-394-35	IC BA12T	
IC5223	8-759-245-86	IC TA79012S	
IC5231	8-759-231-53	IC TA7805S	
IC5232	8-759-231-57	IC TA7810S	
IC5233	8-759-245-84	IC TA79010S	
IC5234	8-759-245-79	IC TA79005S	
IC5281	8-759-545-66	IC NJM3414AMP (TE2)	
IC5291	8-759-545-66	IC NJM3414AMP (TE2)	
IC5301	6-707-905-01	IC M62343FP	
IC5333	8-759-636-55	IC M5218AFP	
IC5345	8-759-524-50	IC TC74VHC541FT (EL)	
IC5360	8-759-445-59	IC BA033T	
IC5361	8-759-473-41	IC BA10T	
		< TRANSISTOR >	
Q5211	8-729-209-15	TRANSISTOR 2SD2012	
Q5231	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q5232	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q5233	8-729-140-96	TRANSISTOR 2SD774-34	
Q5245	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5247	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5249	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5261	8-729-216-31	TRANSISTOR 2SA1163-G	
Q5262	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5269	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q5270	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5271	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5272	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5273	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5274	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5275	8-729-230-49	TRANSISTOR 2SC2712-YG	

Ref. No.	Part No.	Description	Remark
Q5276	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5278	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5279	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5281	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5291	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5305	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q5306	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5311	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5312	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5314	8-729-216-31	TRANSISTOR 2SA1163-G	
Q5321	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5322	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5324	8-729-216-31	TRANSISTOR 2SA1163-G	
Q5328	8-729-216-31	TRANSISTOR 2SA1163-G	
Q5334	8-729-017-06	TRANSISTOR 2SC4793	
Q5341	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5342	8-729-017-05	TRANSISTOR 2SA1837	
Q5343	8-729-271-31	TRANSISTOR 2SC2713-G	
Q5344	8-729-232-69	FET 2SK208-GR3	
Q5360	8-729-209-15	TRANSISTOR 2SD2012	
Q5361	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	
R1405	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1406	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R1411	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1412	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1413	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1414	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1417	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1418	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1419	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1420	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1421	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1422	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1426	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1427	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1431	1-216-864-11	SHORT CHIP 0	
R1432	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1433	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1434	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1436	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1437	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1440	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1441	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1442	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1443	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1444	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1447	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1449	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1455	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1458	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1459	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1460	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1462	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1463	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1467	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1468	1-216-809-11	METAL CHIP 100 5% 1/10W	

MOTHER COM

Ref. No.	Part No.	Description			Remark
R1469	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1473	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1474	1-216-809-11	METAL CHIP	100	5%	1/10W
R1477	1-216-809-11	METAL CHIP	100	5%	1/10W
R1479	1-216-809-11	METAL CHIP	100	5%	1/10W
R1481	1-216-809-11	METAL CHIP	100	5%	1/10W
R1482	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1689	1-216-809-11	METAL CHIP	100	5%	1/10W
R1690	1-216-809-11	METAL CHIP	100	5%	1/10W
R1691	1-216-809-11	METAL CHIP	100	5%	1/10W
R1692	1-216-809-11	METAL CHIP	100	5%	1/10W
R1693	1-216-809-11	METAL CHIP	100	5%	1/10W
R1695	1-216-809-11	METAL CHIP	100	5%	1/10W
R1696	1-216-809-11	METAL CHIP	100	5%	1/10W
R1697	1-216-809-11	METAL CHIP	100	5%	1/10W
R1698	1-216-809-11	METAL CHIP	100	5%	1/10W
R1699	1-216-809-11	METAL CHIP	100	5%	1/10W
R1700	1-216-809-11	METAL CHIP	100	5%	1/10W
R1701	1-216-809-11	METAL CHIP	100	5%	1/10W
R1702	1-216-809-11	METAL CHIP	100	5%	1/10W
R1703	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2246	1-216-805-11	METAL CHIP	47	5%	1/10W
R2247	1-216-805-11	METAL CHIP	47	5%	1/10W
R2248	1-216-805-11	METAL CHIP	47	5%	1/10W
R2252	1-216-805-11	METAL CHIP	47	5%	1/10W
R2253	1-216-805-11	METAL CHIP	47	5%	1/10W
R2254	1-216-805-11	METAL CHIP	47	5%	1/10W
R5034	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R5035	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5036	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5221	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5224	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5231	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5244	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5245	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5246	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5248	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5251	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5252	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
⚠R5253	1-243-944-71	METAL	0.33	5%	2W F
R5254	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5256	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5257	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5258	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5259	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5261	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5262	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5263	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5264	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5265	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5266	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5267	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5268	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5269	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5270	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5271	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5272	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5273	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5274	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5275	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5276	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5277	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5278	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5279	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5280	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5282	1-259-317-81	CARBON	3.6K	1%	1/2W
R5283	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5284	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5285	1-216-262-00	RES-CHIP	470K	5%	1/8W
R5286	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5287	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5288	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5289	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5290	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5292	1-259-317-81	CARBON	3.6K	1%	1/2W
R5293	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5294	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5295	1-216-262-00	RES-CHIP	470K	5%	1/8W
R5296	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5297	1-259-341-81	CARBON	36K	1%	1/2W
R5298	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5299	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5300	1-259-341-81	CARBON	36K	1%	1/2W
R5301	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5302	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5303	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5304	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5307	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
⚠R5310	1-212-934-00	FUSIBLE	1	5%	1/2W F
R5311	1-216-174-00	RES-CHIP	100	5%	1/8W
R5312	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5313	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5316	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠R5317	1-215-896-00	METAL OXIDE	4.7K	5%	2W F
R5318	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5319	1-216-845-11	METAL CHIP	100K	5%	1/10W
⚠R5320	1-212-934-00	FUSIBLE	1	5%	F
R5321	1-216-174-00	RES-CHIP	100	5%	1/8W
R5322	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5323	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5326	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠R5327	1-215-896-00	METAL OXIDE	4.7K	5%	2W F
R5328	1-216-222-00	RES-CHIP	10K	5%	1/8W
R5329	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5331	1-216-174-00	RES-CHIP	100	5%	1/8W
R5332	1-249-417-11	CARBON	1K	5%	1/4W
R5333	1-216-174-00	RES-CHIP	100	5%	1/8W

MOTHER COM | **POWER SW** | **POWER SW SUB** | **SP-TERM COM**

Ref. No.	Part No.	Description			Remark
R5334	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5340	1-216-813-11	METAL CHIP	220	5%	1/10W
R5341	1-216-174-00	RES-CHIP	100	5%	1/8W
R5342	1-249-417-11	CARBON	1K	5%	1/4W
R5343	1-216-174-00	RES-CHIP	100	5%	1/8W
R5344	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5345	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5346	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5347	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5348	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5349	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5350	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5351	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5353	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5354	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5355	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5356	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5357	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5359	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5360	1-249-818-11	CARBON	4.7K	1%	1/2W
R5361	1-216-158-00	RES-CHIP	22	5%	1/8W
R5362	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5365	1-216-158-00	RES-CHIP	22	5%	1/8W
R5366	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5367	1-216-817-11	METAL CHIP	470	5%	1/10W
R5368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5375	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5377	1-216-210-00	RES-CHIP	3.3K	5%	1/8W
R5378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5384	1-216-813-11	METAL CHIP	220	5%	1/10W
R5392	1-216-238-00	RES-CHIP	47K	2%	1/8W
R5408	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5409	1-216-797-11	METAL CHIP	10	5%	1/10W
		< VIBRATOR >			
X1401	1-767-661-11	VIBRATOR, CERAMIC (12.5MHz)			

****

		POWER SW BOARD	
		**********	
		< CONNECTOR >	
* CN1010	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
CN1022	1-506-481-11	PIN, CONNECTOR 2P	

****

	1-860-316-11	POWER SW SUB BOARD	
		**********	
		< SWITCH >	
S1013	1-771-349-21	SWITCH, KEYBOARD (I/⏻)	

****

Ref. No.	Part No.	Description			Remark
	A-1099-310-A	SP-TERM COM BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C5000	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5001	1-126-947-11	ELECT	47uF	20%	35V
C5002	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5003	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5004	1-126-933-11	ELECT	100uF	20%	16V
C5007	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5008	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5011	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5012	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5015	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5016	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5017	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5020	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5021	1-126-947-11	ELECT	47uF	20%	35V
C5022	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5023	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5024	1-126-933-11	ELECT	100uF	20%	16V
C5027	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5028	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5031	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5032	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5035	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5036	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5037	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5040	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5041	1-126-947-11	ELECT	47uF	20%	35V
C5042	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5043	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5044	1-126-933-11	ELECT	100uF	20%	16V
C5047	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5048	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5051	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5052	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5057	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5060	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5061	1-126-947-11	ELECT	47uF	20%	35V
C5062	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5063	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5064	1-126-933-11	ELECT	100uF	20%	16V
C5067	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5068	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5071	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5072	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5077	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C5080	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5081	1-126-947-11	ELECT	47uF	20%	35V
C5082	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5083	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5084	1-126-933-11	ELECT	100uF	20%	16V
C5087	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5088	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5091	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5092	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5097	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V

SP-TERM COM

Ref. No.	Part No.	Description			Remark
C5100	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5101	1-126-947-11	ELECT	47uF	20%	35V
C5102	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5103	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5104	1-126-933-11	ELECT	100uF	20%	16V
C5107	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5108	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5111	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5112	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5115	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5116	1-126-963-11	ELECT	4.7uF	20%	50V
C5117	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5120	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C5121	1-126-947-11	ELECT	47uF	20%	35V
C5122	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5123	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C5124	1-126-933-11	ELECT	100uF	20%	16V
C5127	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5128	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5131	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5132	1-162-959-11	CERAMIC CHIP	330PF	5%	50V
C5133	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5140	1-126-933-11	ELECT	100uF	20%	16V
C5141	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5142	1-126-933-11	ELECT	100uF	20%	16V
C5143	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5144	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5145	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5146	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5147	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5148	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5149	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5150	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5151	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5152	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5153	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5154	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5155	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5156	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5157	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5158	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5159	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5160	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5161	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5162	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5163	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C5164	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
CN5241	1-766-863-11	CONNECTOR, BOARD TO BOARD 14P			
CN5281	1-766-863-11	CONNECTOR, BOARD TO BOARD 14P			
		< DIODE >			
D5000	8-719-083-57	DIODE	UDZSTE-173.6B		
D5001	8-719-988-61	DIODE	1SS355TE-17		
D5003	8-719-988-61	DIODE	1SS355TE-17		
D5004	6-500-619-01	DIODE	RB520S-40TE61		

Ref. No.	Part No.	Description	Remark
D5017	8-719-988-61	DIODE 1SS355TE-17	
D5020	8-719-083-57	DIODE UDZSTE-173.6B	
D5021	8-719-988-61	DIODE 1SS355TE-17	
D5023	8-719-988-61	DIODE 1SS355TE-17	
D5024	6-500-619-01	DIODE RB520S-40TE61	
D5037	8-719-988-61	DIODE 1SS355TE-17	
D5040	8-719-083-57	DIODE UDZSTE-173.6B	
D5041	8-719-988-61	DIODE 1SS355TE-17	
D5043	8-719-988-61	DIODE 1SS355TE-17	
D5044	6-500-619-01	DIODE RB520S-40TE61	
D5057	8-719-988-61	DIODE 1SS355TE-17	
D5060	8-719-083-57	DIODE UDZSTE-173.6B	
D5061	8-719-988-61	DIODE 1SS355TE-17	
D5063	8-719-988-61	DIODE 1SS355TE-17	
D5064	6-500-619-01	DIODE RB520S-40TE61	
D5077	8-719-988-61	DIODE 1SS355TE-17	
D5080	8-719-083-57	DIODE UDZSTE-173.6B	
D5081	8-719-988-61	DIODE 1SS355TE-17	
D5083	8-719-988-61	DIODE 1SS355TE-17	
D5084	6-500-619-01	DIODE RB520S-40TE61	
D5097	8-719-988-61	DIODE 1SS355TE-17	
D5100	8-719-083-57	DIODE UDZSTE-173.6B	
D5101	8-719-988-61	DIODE 1SS355TE-17	
D5103	8-719-988-61	DIODE 1SS355TE-17	
D5104	6-500-619-01	DIODE RB520S-40TE61	
D5120	8-719-083-57	DIODE UDZSTE-173.6B	
D5121	8-719-988-61	DIODE 1SS355TE-17	
D5123	8-719-988-61	DIODE 1SS355TE-17	
D5124	6-500-619-01	DIODE RB520S-40TE61	
		< IC >	
IC5001	8-759-710-97	IC NJM4565M-D	
IC5021	8-759-710-97	IC NJM4565M-D	
IC5041	8-759-710-97	IC NJM4565M-D	
IC5061	8-759-710-97	IC NJM4565M-D	
IC5081	8-759-710-97	IC NJM4565M-D	
IC5101	8-759-710-97	IC NJM4565M-D	
IC5108	8-759-257-96	IC TC7S14FU (TE85R)	
IC5109	8-759-257-96	IC TC7S14FU (TE85R)	
IC5110	8-759-257-96	IC TC7S14FU (TE85R)	
IC5111	8-759-257-96	IC TC7S14FU (TE85R)	
IC5112	8-759-257-96	IC TC7S14FU (TE85R)	
IC5113	8-759-257-96	IC TC7S14FU (TE85R)	
IC5114	8-759-257-96	IC TC7S14FU (TE85R)	
IC5115	6-701-976-01	IC TC74HC4078AF (EL)	
IC5116	8-759-186-14	IC TC74VHC393F (EL)	
IC5117	8-759-524-49	IC TC74VHC540FT (EL)	
IC5121	8-759-710-97	IC NJM4565M-D	
		< COIL >	
L5018	1-456-594-11	INDUCTOR 33uH	
L5038	1-456-594-11	INDUCTOR 33uH	
L5058	1-456-594-11	INDUCTOR 33uH	
L5078	1-456-594-11	INDUCTOR 33uH	
L5098	1-456-594-11	INDUCTOR 33uH	
L5118	1-456-594-11	INDUCTOR 33uH	
L5138	1-456-594-11	INDUCTOR 33uH	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q5000	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5001	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5020	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5021	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5040	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5041	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5060	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5061	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5080	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5081	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5100	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5101	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5120	8-729-216-22	TRANSISTOR	2SA1162-G		
Q5121	8-729-216-22	TRANSISTOR	2SA1162-G		
		< RESISTOR >			
R5000	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5001	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5002	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5003	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5004	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5005	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5007	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5008	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5009	1-216-864-11	SHORT CHIP	0		
R5010	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5011	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5013	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5017	1-249-393-11	CARBON	10	5%	1/4W F
R5020	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5021	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5022	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5023	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5024	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5025	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5027	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5028	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5029	1-216-864-11	SHORT CHIP	0		
R5030	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5031	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5033	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5037	1-249-393-11	CARBON	10	5%	1/4W F
R5040	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5041	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5042	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5043	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5044	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5045	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5047	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5048	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5049	1-216-864-11	SHORT CHIP	0		
R5050	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5051	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5053	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5057	1-249-393-11	CARBON	10	5%	1/4W F
R5060	1-216-849-11	METAL CHIP	220K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5061	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5062	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5063	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5064	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5065	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5067	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5068	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5069	1-216-864-11	SHORT CHIP	0		
R5070	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5071	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5073	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5077	1-249-393-11	CARBON	10	5%	1/4W F
R5080	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5081	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5082	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5083	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5084	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5085	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5087	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5088	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5089	1-216-864-11	SHORT CHIP	0		
R5090	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5091	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5093	1-216-797-11	METAL CHIP	10	5%	1/10W
⚠R5097	1-249-393-11	CARBON	10	5%	1/4W F
R5100	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5101	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5102	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5103	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5104	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5105	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5107	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5108	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5109	1-216-864-11	SHORT CHIP	0		
R5110	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5111	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5113	1-216-797-11	METAL CHIP	10	5%	1/10W
R5120	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5121	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5122	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5123	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R5124	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5125	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5127	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R5128	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5129	1-216-864-11	SHORT CHIP	0		
R5130	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5131	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5133	1-216-797-11	METAL CHIP	10	5%	1/10W
		< RELAY >			
RY5017	1-755-500-11	RELAY			
RY5037	1-755-500-11	RELAY			
RY5057	1-755-500-11	RELAY			
RY5077	1-755-500-11	RELAY			
RY5097	1-755-500-11	RELAY			

SP-TERM COM **S-VIDEO**

Ref. No.	Part No.	Description	Remark
		< TRANSFORMER >	
T5000	1-443-435-11	TRANSFORMER, CURRENT	
T5020	1-443-435-11	TRANSFORMER, CURRENT	
T5040	1-443-435-11	TRANSFORMER, CURRENT	
T5060	1-443-435-11	TRANSFORMER, CURRENT	
T5080	1-443-435-11	TRANSFORMER, CURRENT	
T5100	1-443-435-11	TRANSFORMER, CURRENT	
T5120	1-443-435-11	TRANSFORMER, CURRENT	
		< TERMINAL >	
TM5000	1-780-177-11	TERMINAL BOARD (SP) (8P)	(FRONT SPEAKERS A/B)
TM5040	1-780-178-11	TERMINAL BOARD (SP) (2P)	(CENTER SPEAKER)
TM5060	1-780-177-11	TERMINAL BOARD (SP) (8P)	(SURROUND SPEAKERS, SURROUND BACK SPEAKERS/2ND ZONE)
**********			
	A-1126-557-A	S-VIDEO BOARD, COMPLETE	
		**********	
		< CAPACITOR >	
C72	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C701	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C711	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C712	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C713	1-126-964-11	ELECT 10uF 20% 50V	
C714	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C715	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C716	1-126-964-11	ELECT 10uF 20% 50V	
C722	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C723	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C724	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C725	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C726	1-126-964-11	ELECT 10uF 20% 50V	
C731	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C732	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C733	1-162-923-11	CERAMIC CHIP 47PF 5% 50V	
C734	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C735	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C736	1-126-964-11	ELECT 10uF 20% 50V	
C737	1-126-947-11	ELECT 47uF 20% 35V	
C738	1-126-947-11	ELECT 47uF 20% 35V	
C739	1-126-947-11	ELECT 47uF 20% 35V	
C740	1-126-947-11	ELECT 47uF 20% 35V	
C741	1-126-964-11	ELECT 10uF 20% 50V	
C742	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C743	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C744	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
C745	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
C746	1-100-566-91	CERAMIC CHIP 0.1uF 10% 25V	
C747	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
C748	1-162-966-11	CERAMIC CHIP 0.0022uF 10% 50V	
		< CONNECTOR >	
CNP742	1-779-977-11	PIN, CONNECTOR 6P	
CNP743	1-784-922-11	PIN, CONNECTOR 5P	
CNS741	1-784-776-11	CONNECTOR, FFC 15P	

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D741	8-719-988-61	DIODE 1SS355TE-17	
D742	8-719-988-61	DIODE 1SS355TE-17	
		< FERRITE BEAD >	
FB741	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB742	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB743	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB744	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC701	6-704-199-01	IC NJM2595M-TE2	
IC702	6-700-050-01	IC NJM2596M (TE2)	
		< JACK >	
J701	1-779-800-11	TERMINAL, S (MONITOR OUT S2 VIDEO)	
J702	1-779-801-11	CONNECTOR (ROUND TYPE)	(TV/SAT/DVD S2 VIDEO IN)
J703	1-779-801-11	CONNECTOR (ROUND TYPE)	(VIDEO 2 S2 VIDEO IN/OUT)
J704	1-779-801-11	CONNECTOR (ROUND TYPE)	(VIDEO 1 S2 VIDEO IN/OUT)
		< RESISTOR >	
R701	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R703	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R704	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R705	1-216-864-11	SHORT CHIP 0	
R711	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R712	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R713	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R714	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R715	1-216-864-11	SHORT CHIP 0	
R721	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R723	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R724	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R725	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R726	1-216-864-11	SHORT CHIP 0	
R731	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R733	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R734	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R735	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R736	1-216-864-11	SHORT CHIP 0	
R737	1-216-864-11	SHORT CHIP 0	
R743	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R744	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R745	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R746	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R747	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R748	1-216-864-11	SHORT CHIP 0	
R749	1-216-864-11	SHORT CHIP 0	
R753	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R754	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R755	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R763	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R764	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R765	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R766	1-218-831-11	METAL CHIP 220 0.5% 1/10W	

S-VIDEO **V3-GND** **VIDEO**

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S701	1-786-028-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)			
**********					
	A-1129-323-A	V3-GND BOARD, COMPLETE			
		**********			
		< EARTH TERMINAL >			
* EP3001	1-694-592-21	TERMINAL			
* EP3002	1-694-592-21	TERMINAL			
* EP3003	1-694-592-21	TERMINAL			
**********					
	A-1108-890-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C3201	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3207	1-126-933-11	ELECT	100uF	20%	16V
C3208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3209	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3301	1-126-960-11	ELECT	1uF	20%	50V
C3302	1-126-960-11	ELECT	1uF	20%	50V
C3303	1-126-960-11	ELECT	1uF	20%	50V
C3304	1-126-960-11	ELECT	1uF	20%	50V
C3305	1-126-960-11	ELECT	1uF	20%	50V
C3306	1-126-960-11	ELECT	1uF	20%	50V
C3332	1-126-947-11	ELECT	47uF	20%	35V
C3333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3334	1-126-947-11	ELECT	47uF	20%	35V
C3335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3336	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3401	1-126-964-11	ELECT	10uF	20%	50V
C3402	1-126-964-11	ELECT	10uF	20%	50V
C3403	1-126-964-11	ELECT	10uF	20%	50V
C3404	1-126-964-11	ELECT	10uF	20%	50V
C3405	1-126-964-11	ELECT	10uF	20%	50V
C3406	1-126-964-11	ELECT	10uF	20%	50V
C3407	1-126-964-11	ELECT	10uF	20%	50V
C3408	1-126-964-11	ELECT	10uF	20%	50V
C3409	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3421	1-126-947-11	ELECT	47uF	20%	35V
C3422	1-126-947-11	ELECT	47uF	20%	35V
C3423	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3424	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3425	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3426	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3427	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3428	1-126-964-11	ELECT	10uF	20%	50V
C3431	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description			Remark
C3432	1-126-947-11	ELECT	47uF	20%	35V
C3433	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3434	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3435	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3436	1-126-964-11	ELECT	10uF	20%	50V
C3437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3439	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3440	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3441	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3501	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C3502	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-126-947-11	ELECT	47uF	20%	35V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3509	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-126-947-11	ELECT	47uF	20%	35V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3517	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C3519	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3521	1-126-964-11	ELECT	10uF	20%	50V
C3523	1-126-964-11	ELECT	10uF	20%	50V
C3601	1-126-947-11	ELECT	47uF	20%	35V
C3602	1-126-947-11	ELECT	47uF	20%	35V
C3604	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3605	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3608	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3609	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3610	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3611	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3612	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3613	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3614	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3621	1-126-964-11	ELECT	10uF	20%	50V
C3622	1-126-964-11	ELECT	10uF	20%	50V
C3623	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3625	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3626	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3631	1-126-947-11	ELECT	47uF	20%	35V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-126-964-11	ELECT	10uF	20%	50V
C3635	1-126-964-11	ELECT	10uF	20%	50V
C3636	1-126-964-11	ELECT	10uF	20%	50V
C3637	1-126-964-11	ELECT	10uF	20%	50V
C3638	1-126-964-11	ELECT	10uF	20%	50V
C3639	1-126-964-11	ELECT	10uF	20%	50V
C3640	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3701	1-126-947-11	ELECT	47uF	20%	35V
C3702	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

VIDEO

Ref. No.	Part No.	Description			Remark
C3703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3704	1-126-947-11	ELECT	47uF	20%	35V
C3705	1-126-947-11	ELECT	47uF	20%	35V
C3706	1-126-947-11	ELECT	47uF	20%	35V
C3707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3801	1-126-933-11	ELECT	100uF	20%	16V
C3803	1-126-933-11	ELECT	100uF	20%	16V
C3808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3809	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3813	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3814	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3816	1-126-947-11	ELECT	47uF	20%	35V
C3817	1-126-947-11	ELECT	47uF	20%	35V
C3818	1-126-947-11	ELECT	47uF	20%	35V
C3819	1-126-947-11	ELECT	47uF	20%	35V
C3820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3821	1-126-947-11	ELECT	47uF	20%	35V
C5884	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN3801	1-794-003-11	CONNECTOR 15P			
CN3802	1-568-826-11	CONNECTOR, FFC 7P			
CN3803	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN3804	1-784-776-11	CONNECTOR, FFC 15P			
CN3805	1-784-922-11	PIN, CONNECTOR 5P			
CN3806	1-794-002-11	CONNECTOR 13P			
CN3807	1-784-923-11	PIN, CONNECTOR 7P			
CN3808	1-779-977-11	PIN, CONNECTOR 6P			
CN3809	1-779-977-11	PIN, CONNECTOR 6P			
		< TRIMMER >			
CT3503	1-141-442-91	CAP, CERAMIC TRIMMER			
CT3504	1-141-442-91	CAP, CERAMIC TRIMMER			
		< DIODE >			
D3301	8-719-988-61	DIODE 1SS355TE-17			
D3421	8-719-988-61	DIODE 1SS355TE-17			
D3422	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB3201	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3202	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3203	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3501	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3502	1-414-813-11	FERRITE, EMI (SMD) (2012)			
FB3601	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3602	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC3201	6-705-514-01	IC MAX3222IPWR			
IC3331	6-706-767-01	IC NJM2586AM			
IC3421	6-704-199-01	IC NJM2595M-TE2			
IC3431	6-704-199-01	IC NJM2595M-TE2			

Ref. No.	Part No.	Description			Remark
IC3501	6-700-367-01	IC MB90089PF-G-238-BND			
IC3502	8-759-032-01	IC MC74HC00AF			
IC3503	8-759-242-70	IC TC7WU04F			
IC3601	6-706-723-01	IC BH7623KS2			
IC3602	8-759-671-94	IC MC74HC4053AFEL			
IC3604	8-759-682-76	IC BA7622F-E2-A			
IC3605	8-759-671-94	IC MC74HC4053AFEL			
IC3701	8-759-663-94	IC LA7106M-TLM			
IC3702	8-759-663-94	IC LA7106M-TLM			
IC3811	8-759-238-47	IC TC74HCT7007AF (EL)			
IC3812	8-759-268-29	IC SN74HC595ANS			
IC3813	8-759-268-29	IC SN74HC595ANS			
IC3814	8-759-671-94	IC MC74HC4053AFEL			
		< JACK >			
J3201	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)			
J3202	1-563-330-11	JACK (CTRL A1II)			
J3301	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)			
J3302	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE TV/SAT IN)			
J3303	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE DVD IN)			
J3401	1-770-337-21	JACK, PIN 3P (MONITOR OUT VIDEO, TV/SAT/DVD VIDEO IN)			
J3402	1-770-337-21	JACK, PIN 3P (VIDEO 1 VIDEO IN/OUT, VIDEO 2 VIDEO OUT)			
J3403	1-794-435-11	JACK, PIN 2P (VIDEO 2 VIDEO IN, 2ND ZONE VIDEO OUT)			
		< JUMPER RESISTOR >			
JW3802	1-216-864-11	SHORT CHIP	0		
JW3803	1-216-864-11	SHORT CHIP	0		
JW3804	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L3331	1-469-525-11	INDUCTOR	10uH		
L3332	1-469-525-11	INDUCTOR	10uH		
L3421	1-410-482-31	INDUCTOR	100uH		
L3422	1-410-482-31	INDUCTOR	100uH		
L3431	1-410-482-31	INDUCTOR	100uH		
L3432	1-410-482-31	INDUCTOR	100uH		
L3501	1-408-781-00	INDUCTOR	22uH		
L3601	1-469-525-11	INDUCTOR	10uH		
L3701	1-469-525-11	INDUCTOR	10uH		
L3702	1-469-525-11	INDUCTOR	10uH		
L3703	1-469-525-11	INDUCTOR	10uH		
L3704	1-469-525-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q3301	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q3531	8-729-140-97	TRANSISTOR	2SB734-34		
Q3532	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R3201	1-216-809-11	METAL CHIP	100	5%	1/10W
R3202	1-216-809-11	METAL CHIP	100	5%	1/10W
R3301	1-211-990-11	METAL CHIP	75	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R3302	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3303	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3304	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3305	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3306	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3307	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3308	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3309	1-211-990-11	METAL CHIP	75	0.5%	1/10W
⚠R3311	1-249-393-11	CARBON	10	5%	1/4W F
R3312	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3313	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3315	1-216-864-11	SHORT CHIP	0		
R3316	1-216-864-11	SHORT CHIP	0		
R3317	1-216-864-11	SHORT CHIP	0		
R3318	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3319	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3320	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3321	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3322	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R3323	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3401	1-216-864-11	SHORT CHIP	0		
R3402	1-216-864-11	SHORT CHIP	0		
R3403	1-216-864-11	SHORT CHIP	0		
R3404	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3405	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3406	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3407	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3408	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3409	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3410	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3411	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3412	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3421	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3422	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3423	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3424	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3425	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3501	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3503	1-216-809-11	METAL CHIP	100	5%	1/10W
R3504	1-216-809-11	METAL CHIP	100	5%	1/10W
R3505	1-216-814-11	METAL CHIP	270	5%	1/10W
R3506	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3507	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3508	1-216-814-11	METAL CHIP	270	5%	1/10W
R3509	1-216-809-11	METAL CHIP	100	5%	1/10W
R3521	1-216-864-11	SHORT CHIP	0		
R3522	1-216-864-11	SHORT CHIP	0		
R3523	1-216-864-11	SHORT CHIP	0		
R3524	1-216-817-11	METAL CHIP	470	5%	1/10W
R3525	1-216-817-11	METAL CHIP	470	5%	1/10W
R3526	1-216-817-11	METAL CHIP	470	5%	1/10W
R3531	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3621	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3623	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3624	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3625	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3626	1-216-827-11	METAL CHIP	3.3K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3627	1-216-864-11	SHORT CHIP	0		
R3629	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3633	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3635	1-216-864-11	SHORT CHIP	0		
R3636	1-216-864-11	SHORT CHIP	0		
R3637	1-216-864-11	SHORT CHIP	0		
R3639	1-216-864-11	SHORT CHIP	0		
R3640	1-216-864-11	SHORT CHIP	0		
R3641	1-216-864-11	SHORT CHIP	0		
R3801	1-216-809-11	METAL CHIP	100	5%	1/10W
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
R3805	1-216-809-11	METAL CHIP	100	5%	1/10W
R3806	1-216-809-11	METAL CHIP	100	5%	1/10W
R3807	1-216-809-11	METAL CHIP	100	5%	1/10W
R3808	1-216-809-11	METAL CHIP	100	5%	1/10W
R3809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3811	1-216-864-11	SHORT CHIP	0		
R3812	1-216-864-11	SHORT CHIP	0		
R3813	1-216-864-11	SHORT CHIP	0		
R3814	1-216-864-11	SHORT CHIP	0		
R3815	1-216-864-11	SHORT CHIP	0		
R3816	1-216-864-11	SHORT CHIP	0		
R3817	1-216-864-11	SHORT CHIP	0		
R3818	1-216-864-11	SHORT CHIP	0		
R3819	1-216-864-11	SHORT CHIP	0		
R3820	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3821	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3822	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3823	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3824	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3825	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3832	1-216-864-11	SHORT CHIP	0		
R3833	1-216-864-11	SHORT CHIP	0		
		< RELAY >			
RY3301	1-755-184-11	RELAY			
RY3302	1-755-184-11	RELAY			
		< CONNECTOR >			
TP3501	1-784-921-11	PIN, CONNECTOR 4P			
		< VIBRATOR >			
X3502	1-781-821-21	VIBRATOR, CRYSTAL (14.31MHz)			
X3503	1-781-820-21	VIBRATOR, CRYSTAL (17.734MHz)			
**********					
		VIDEO3 BOARD			
		**********			
		< CAPACITOR >			
C1028	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1029	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1030	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1031	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1032	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V

STR-DA7100ES

Ver. 1.2

VIDEO3 **VOL**

Ref. No.	Part No.	Description	Remark
C1035	1-216-295-00	SHORT CHIP 0	
C1036	1-216-295-00	SHORT CHIP 0	
C1037	1-216-295-00	SHORT CHIP 0	
		< CONNECTOR >	
* CN1019	1-564-729-11	PIN, CONNECTOR (SMALL TYPE) 13P	
		< 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 AUDIO/VIDEO)	
J1003	1-784-808-11	TERMINAL, S (VIDEO 3 INPUT S2 VIDEO)	
		< RESISTOR >	
R1047	1-216-025-11	RES-CHIP 100 5% 1/10W	
R1048	1-216-049-11	RES-CHIP 1K 5% 1/10W	
R1049	1-216-049-11	RES-CHIP 1K 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	
**********			
	1-688-727-11	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	
		**********	
6	1-400-061-11	CLAMP, FERRITE (CLAMP FILTER)	
8	1-469-969-11	CLAMP, FERRITE	
159	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)	
160	1-769-878-11	WIRE (FLAT TYPE) (7 CORE)	
161	1-769-944-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT AEP)	
161	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP)	
162	1-693-577-31	TUNER (US, CND)	
162	1-693-578-41	TUNER (AEP)	
162	1-693-641-11	TUNER (TW, KR, CH)	
166	1-819-867-11	INLET, AC 2P	
204	1-500-037-11	CORE, FERRITE (WITH CASE)	
214	1-400-061-11	CLAMP, FERRITE (CLAMP FILTER)	
252	1-469-969-11	CLAMP, FERRITE	
253	1-400-061-11	CORE, FERRITE (CLAMP FILTER)	
⚠F1	1-532-506-33	FUSE (T6.3AL/250V) (AEP, KR)	
⚠F1	1-576-332-33	FUSE, CYLINDRICAL (TIME LUG) (T10AL/250V) (US, CND, TW)	

Ref. No.	Part No.	Description	Remark
⚠F2	1-532-464-33	FUSE (T2.5AL/250V) (AEP)	
⚠F40	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F42	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F50	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F51	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F60	1-532-506-33	FUSE (T6.3AL/250V)	
⚠F841	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F842	1-532-503-33	FUSE (T1.6AL/250V)	
⚠F861	1-532-465-33	FUSE (3.15A/250V)	
M5001	1-787-291-11	FAN, D.C	
Q5313	6-702-390-01	IC MN2488-OPY-MK	
Q5323	6-702-390-01	IC MN2488-OPY-MK	
Q5330	6-550-629-01	TRANSISTOR 2SK1382	
Q5340	6-550-629-01	TRANSISTOR 2SK1382	
⚠T1	1-443-658-11	TRANSFORMER, POWER (US, CND)	
⚠T1	1-443-659-11	TRANSFORMER, POWER (AEP, KR, CH)	
⚠T1	1-443-660-11	TRANSFORMER, POWER (TW)	
THP4401	1-817-728-11	SENSOR, THERMISTOR	
**********			
		ACCESSORIES	
		**********	
	1-479-320-11	COMMANDER, STANDARD (RM-US106A)	
	1-479-433-11	COMMANDER, STANDARD (RM-AEE003)	
	1-501-594-14	ANTENNA (FM) (EXCEPT US, CND)	
⚠	1-551-631-22	CORD, POWER (AEP)	
	1-754-149-11	LOOP ANT (AM)	
	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM) (US, CND)	
⚠	1-823-512-12	CORD, POWER (US, CND)	
⚠	1-828-063-11	CORD, POWER (KR)	
⚠	1-828-109-12	CORD, POWER (TW)	
⚠	1-831-473-11	CORD, POWER (CH)	
	2-320-745-14	MANUAL, INSTRUCTION (ENGLISH) (EXCEPT KR)	
	2-320-745-23	MANUAL, INSTRUCTION (FRENCH) (US, CND, AEP)	
	2-320-745-33	MANUAL, INSTRUCTION (GERMAN, DUTCH, ITALIAN) (AEP)	
	2-320-745-43	MANUAL, INSTRUCTION (SPANISH, SWEDISH, POLISH) (AEP)	
	2-320-745-52	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (TW)	
	2-320-745-62	MANUAL, INSTRUCTION (KOREAN) (KR)	
	2-320-745-72	MANUAL, INSTRUCTION (SIMPLIFIED CHINESE) (CH)	
	2-596-577-12	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	2-596-577-22	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)	
	2-596-577-32	MANUAL, INSTRUCTION (RUSSIAN) (AEP)	
	2-596-577-41	MANUAL, INSTRUCTION (GREEK) (AEP)	
	2-596-577-51	MANUAL, INSTRUCTION (HUNGRIAN, CZECH) (AEP)	
	2-596-577-61	MANUAL, INSTRUCTION (TURKISH) (AEP)	
	2-596-577-71	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)	
	4-228-696-01	COVER, BATTERY (for RM-US106A)	

AC INLET board have been deleted in the midway of production.
New type/former type has been described in this service manual as follows.
New type: model without AC INLET board
Former type: model with AC INLET board
Refer to the service manual according to the repaired set.

STR-DA7100ES

SONY

SERVICE MANUAL

Ver. 1.2 2005.11

US Model
Canadian Model
AEP Model
Taiwan Model
Korean Model
Chinese Model

SUPPLEMENT-1

Subject: Change of D-AMP and VIDEO boards (suffix-22)

TABLE OF CONTENTS

1. NEW/FORMER TYPE DESCRIPTION 2

2. DIAGRAMS

2-1. Printed Wiring Board – D-AMP Board (Component Side) – 4
2-2. Printed Wiring Board – D-AMP Board (Conductor Side) – 5
2-3. Schematic Diagram – D-AMP Board (1/4) – 6
2-4. Schematic Diagram – D-AMP Board (2/4) – 7
2-5. Schematic Diagram – D-AMP Board (3/4) – 8
2-6. Schematic Diagram – D-AMP Board (4/4) – 9
2-7. Printed Wiring Board – VIDEO Board (Component Side) – 10
2-8. Printed Wiring Board – VIDEO Board (Conductor Side) – 11
2-9. Schematic Diagram – VIDEO Board (1/3) – 12
2-10. Schematic Diagram – VIDEO Board (2/3) – 13
2-11. Schematic Diagram – VIDEO Board (3/3) – 14

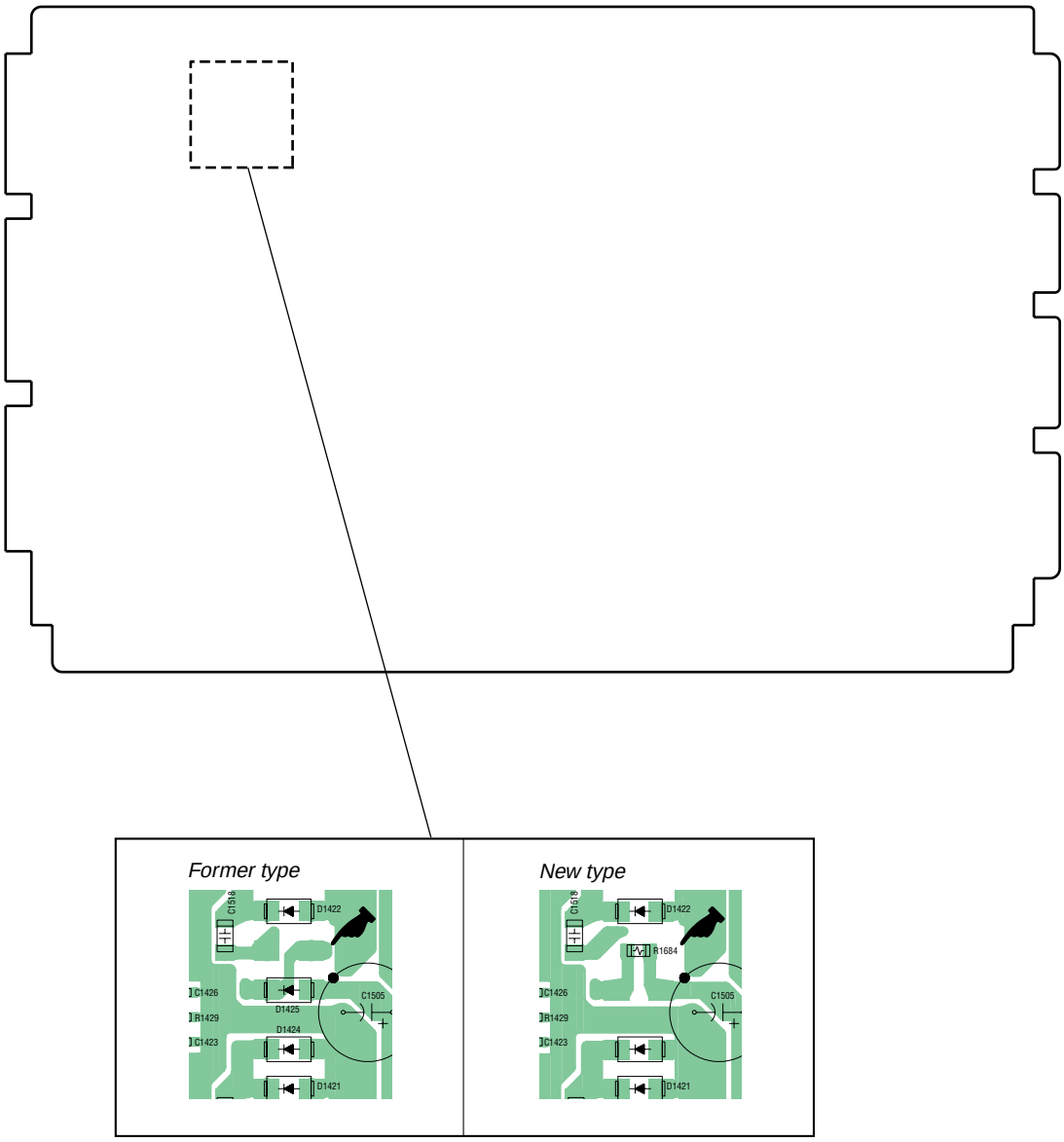
3. ELECTRICAL PARTS LIST 15

9-879-764-81

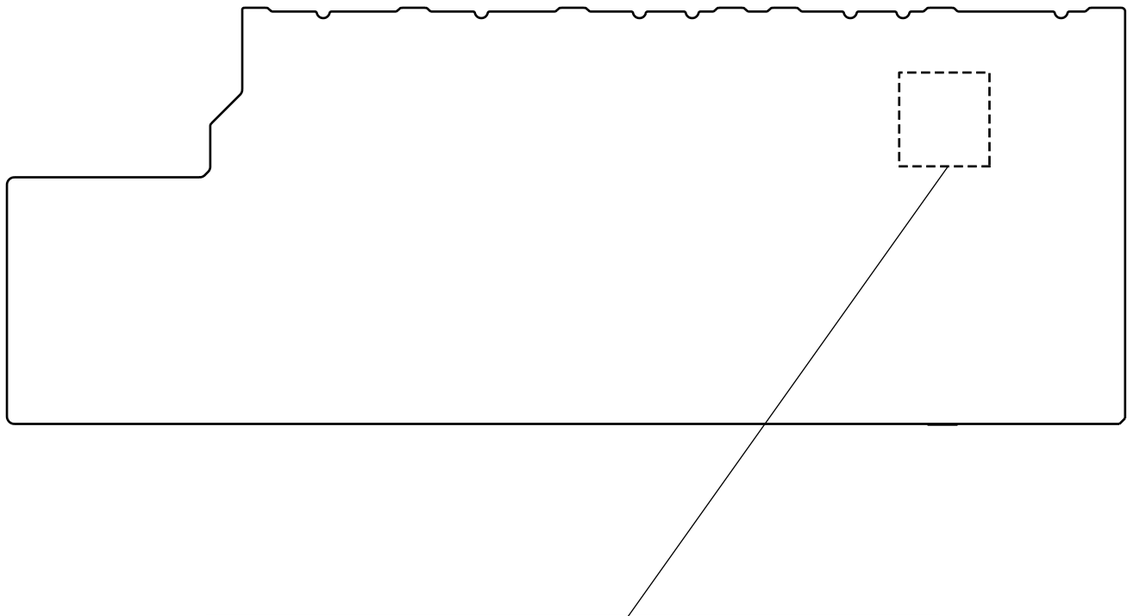
1. NEW/FORMER TYPE DESCRIPTION

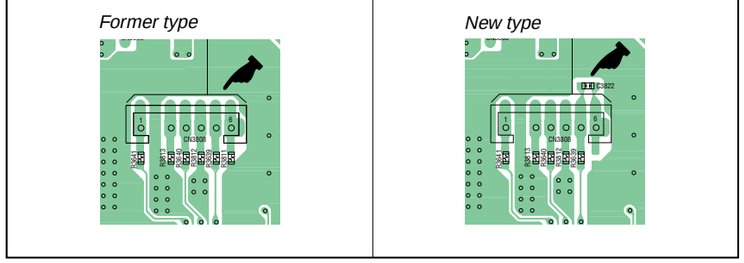
New/former type of the D-AMP and VIDEO boards are discriminated by difference of the pattern.

– D-AMP BOARD (Conductor Side) –



– VIDEO BOARD (Conductor Side) –





2. DIAGRAMS

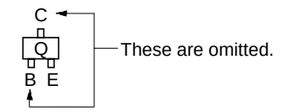
- **Note for Printed Wiring Boards and Schematic Diagrams**

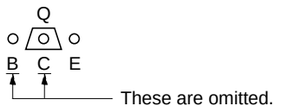
Note on Printed Wiring Board:
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▭ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

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

- Indication of transistor





- D-AMP board is multi-layer printed board.
  However, the patterns of intermediate layers have not been included in this diagrams.

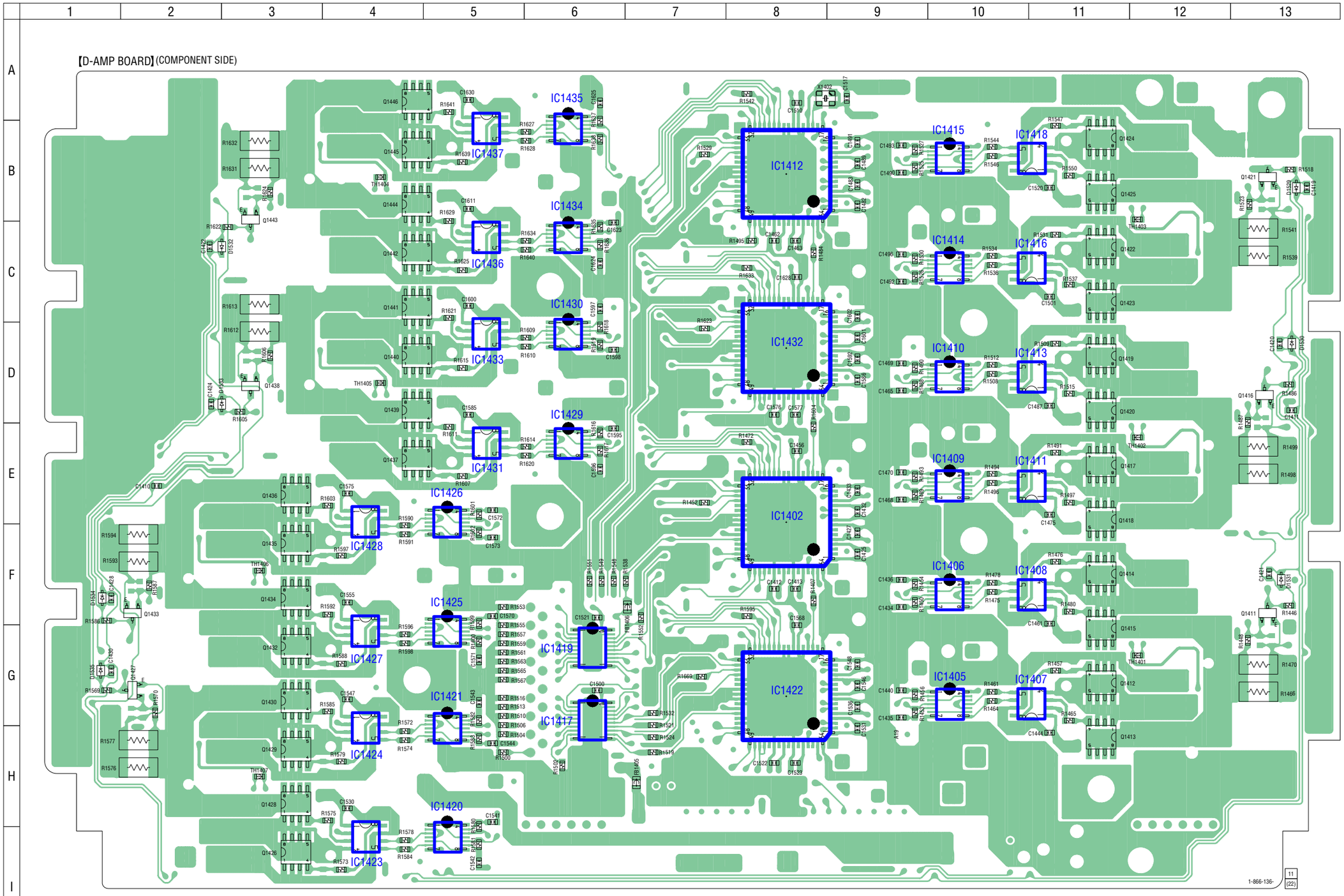
Note on Schematic Diagram:
- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : nonflammable resistor.
- : panel designation.

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

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

- : B+ Line.
- : B– Line.
- : adjustment for repair.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  (When measuring circuit that used “VIRTUAL GND”, ground it from CN3804 pin ② on the MOTHER COM board.)
  – D-AMP board –
  no mark : TUNER
  – VIDEO board –
  no mark : VIDEO 1 mode
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : AUDIO (ANALOG)
  : AUDIO (DIGITAL)
  : VIDEO

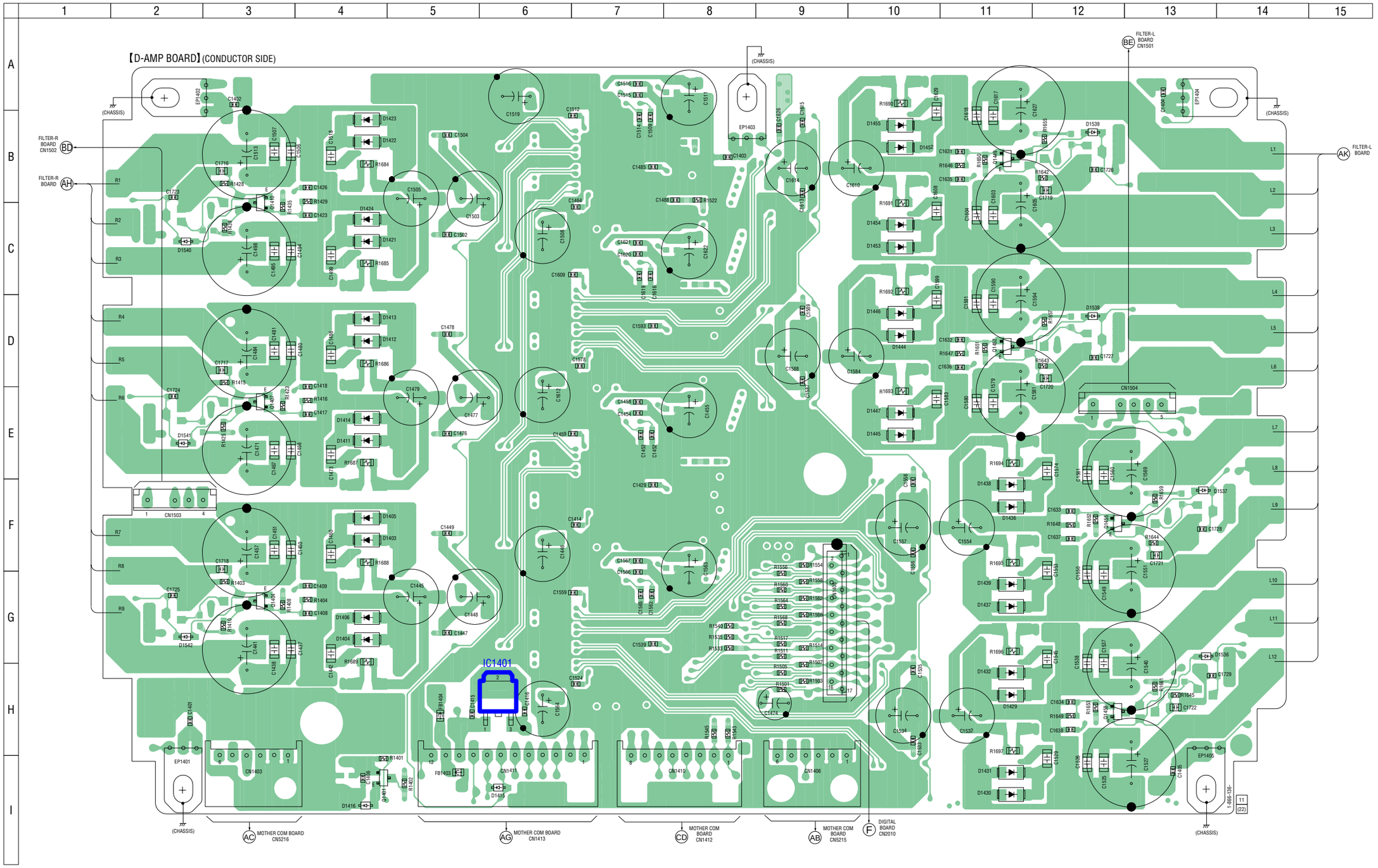
2-1. PRINTED WIRING BOARD – D-AMP Board (Component Side) – : Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1529	B-13	IC1405	G-10	IC1414	C-10	IC1423	I-4	IC1432	D-8	Q1413	H-11	Q1422	C-11	Q1432	G-3	Q1441	C-4
D1530	D-13	IC1406	F-10	IC1415	B-10	IC1424	H-4	IC1433	D-5	Q1414	F-11	Q1423	C-11	Q1433	F-2	Q1442	C-4
D1531	F-13	IC1407	G-11	IC1416	C-11	IC1425	G-5	IC1434	C-6	Q1415	G-11	Q1424	B-11	Q1434	F-3	Q1443	B-3
D1532	C-3	IC1408	F-11	IC1417	G-6	IC1426	E-5	IC1435	B-6	Q1416	D-13	Q1425	B-11	Q1435	F-3	Q1444	B-4
D1533	D-3	IC1409	E-10	IC1418	B-11	IC1427	G-4	IC1436	C-5	Q1417	E-11	Q1426	I-3	Q1436	E-3	Q1445	B-4
D1534	F-1	IC1410	D-10	IC1419	G-6	IC1428	E-4	IC1437	B-5	Q1418	E-11	Q1427	G-2	Q1437	E-4	Q1446	A-4
D1535	G-1	IC1411	E-11	IC1420	I-5	IC1429	E-6			Q1419	D-11	Q1428	H-3	Q1438	D-3		
		IC1412	B-8	IC1421	H-5	IC1430	D-6	Q1411	F-13	Q1420	D-11	Q1429	H-3	Q1439	D-4		
IC1402	E-8	IC1413	D-11	IC1422	G-8	IC1431	E-5	Q1412	G-11	Q1421	B-13	Q1430	G-3	Q1440	D-4		

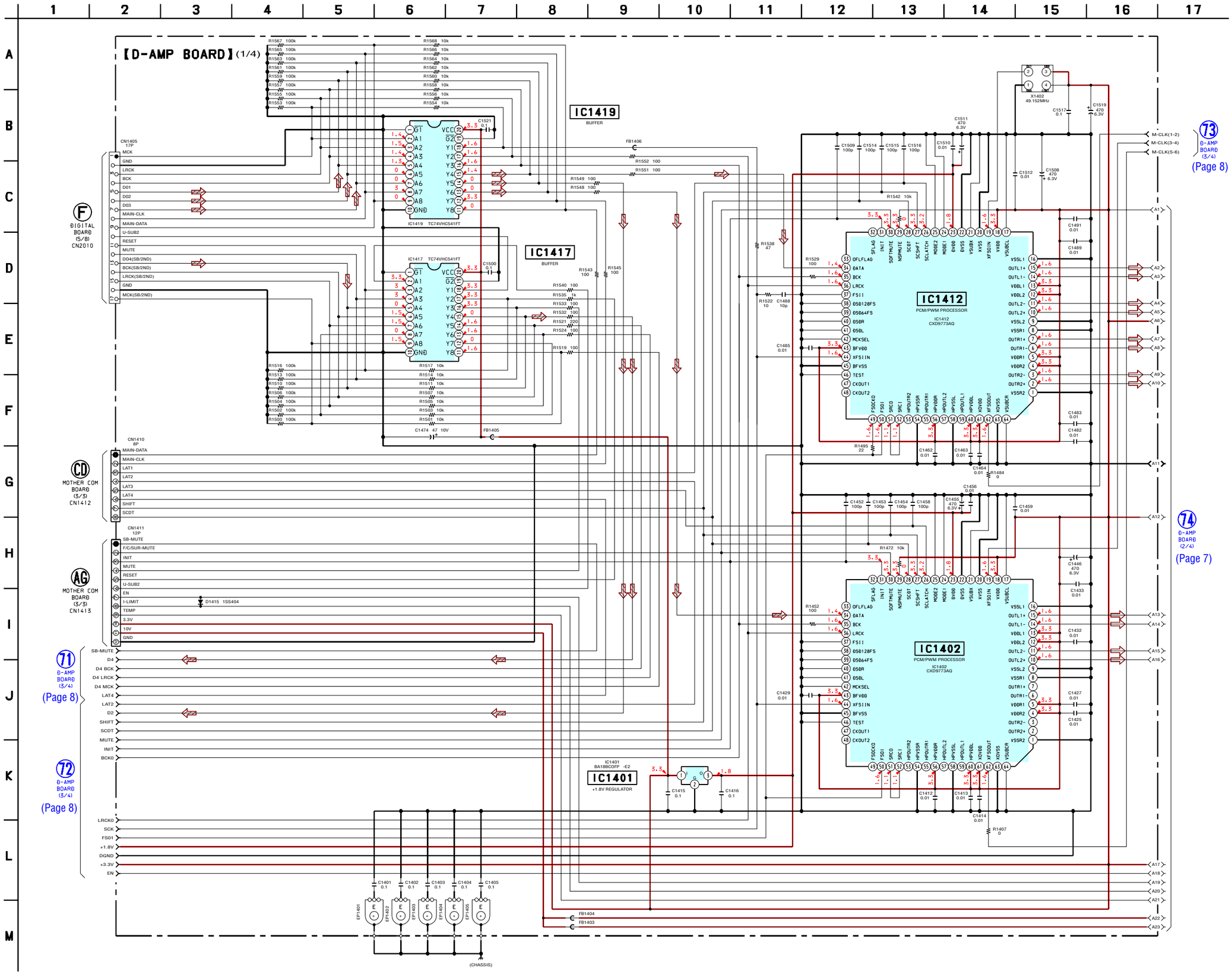
2-2. PRINTED WIRING BOARD – D-AMP Board (Conductor Side) – : Uses unleaded solder.



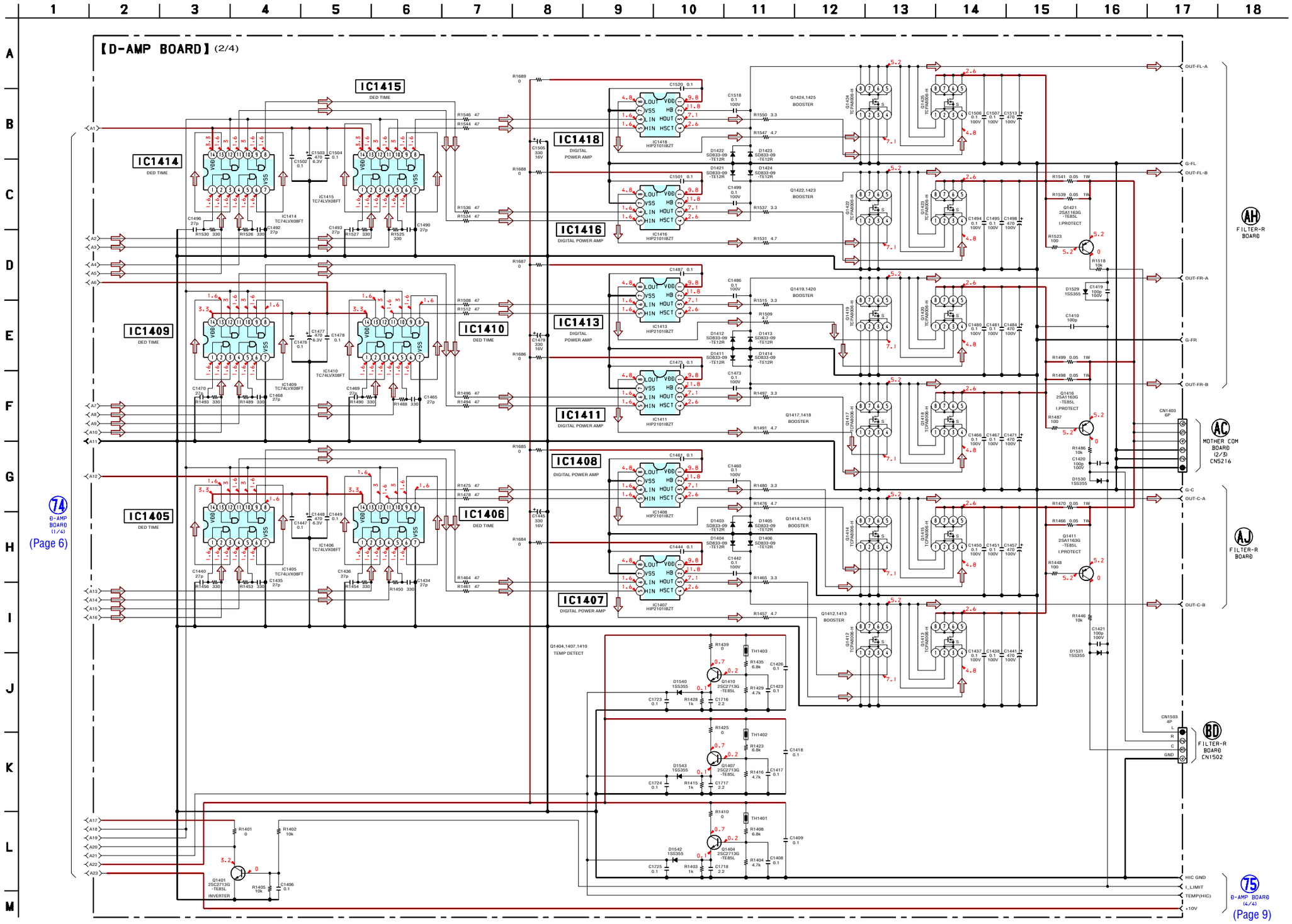
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1403	F-4	D1416	I-4	D1436	F-11	D1453	C-10	D1542	G-2	Q1452	D-11
D1404	G-4	D1421	C-4	D1437	G-11	D1454	C-10			Q1455	F-12
D1405	F-4	D1422	B-4	D1438	F-11	D1455	B-10	IC1401	H-6	Q1458	H-12
D1406	G-4	D1423	B-4	D1439	G-11	D1536	G-13				
D1411	E-4	D1424	C-4	D1444	D-10	D1537	F-13	Q1401	I-4		
D1412	D-4	D1429	H-11	D1445	E-10	D1538	D-12	Q1404	G-3		
D1413	D-4	D1430	I-11	D1446	D-5	D1539	B-12	Q1407	E-3		
D1414	E-4	D1431	I-11	D1447	E-10	D1540	C-2	Q1410	C-3		
D1415	I-6	D1432	H-11	D1452	B-10	D1541	E-2	Q1449	B-11		

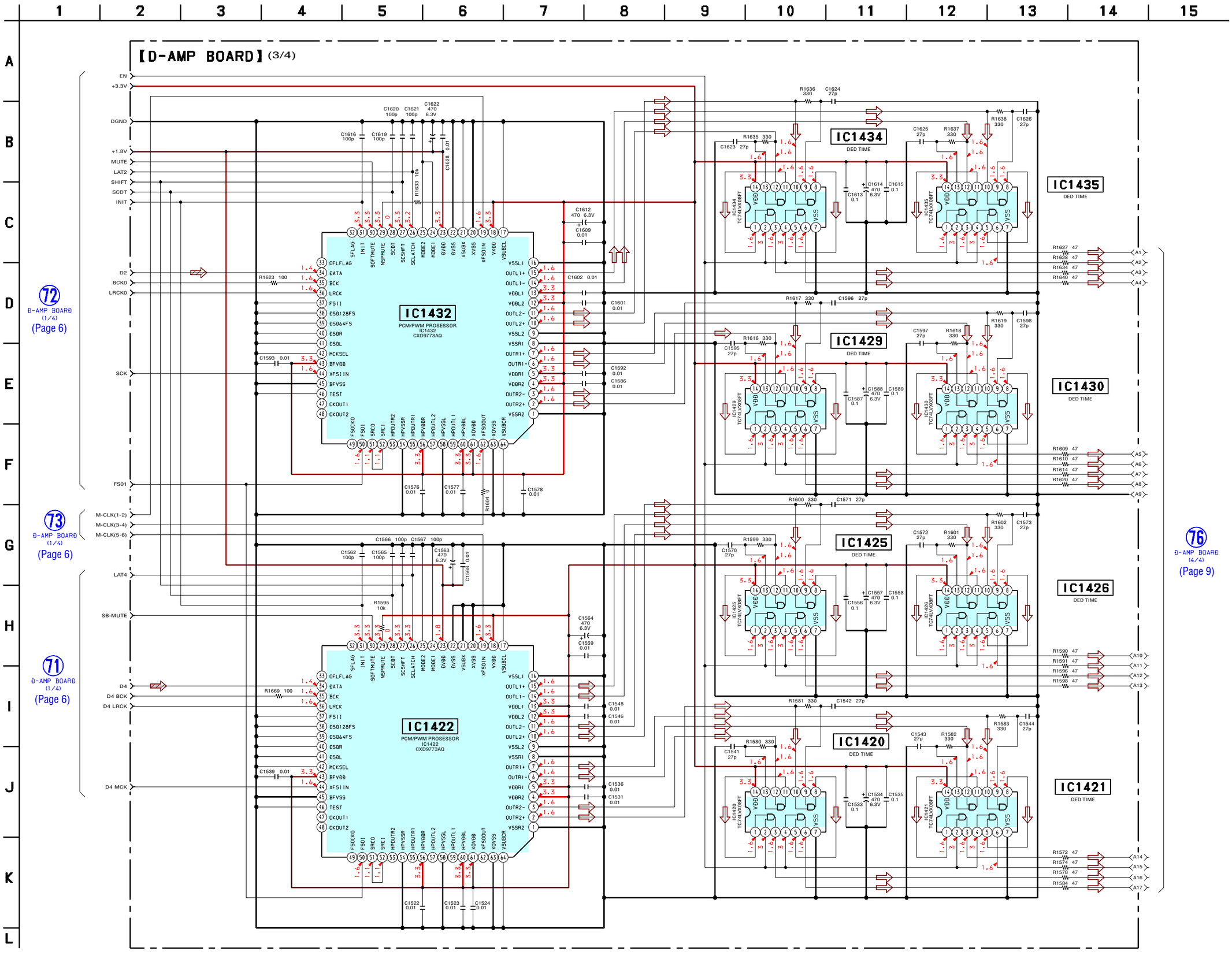
2-3. SCHEMATIC DIAGRAM – D-AMP Board (1/4) –



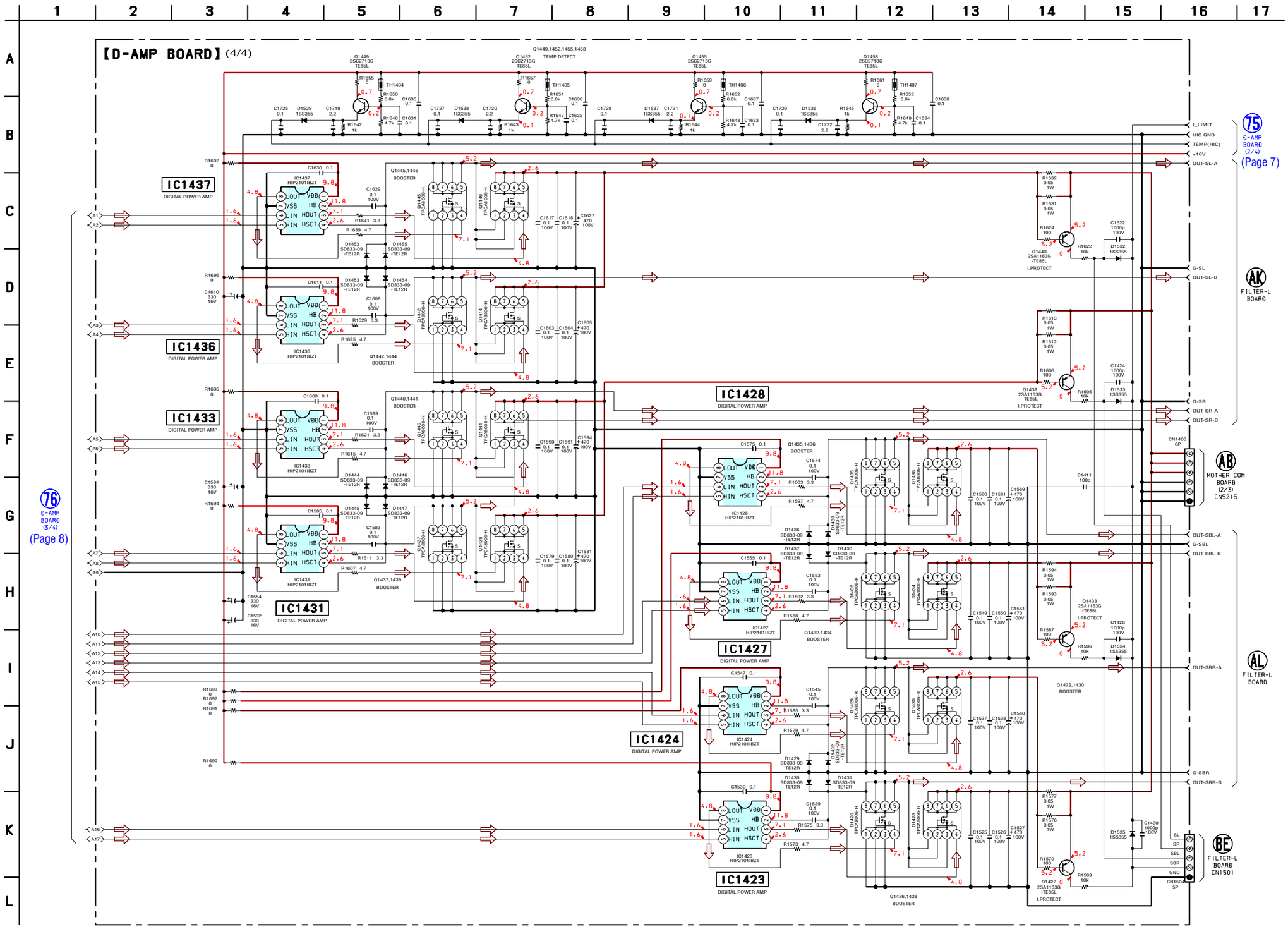
2-4. SCHEMATIC DIAGRAM – D-AMP Board (2/4) –



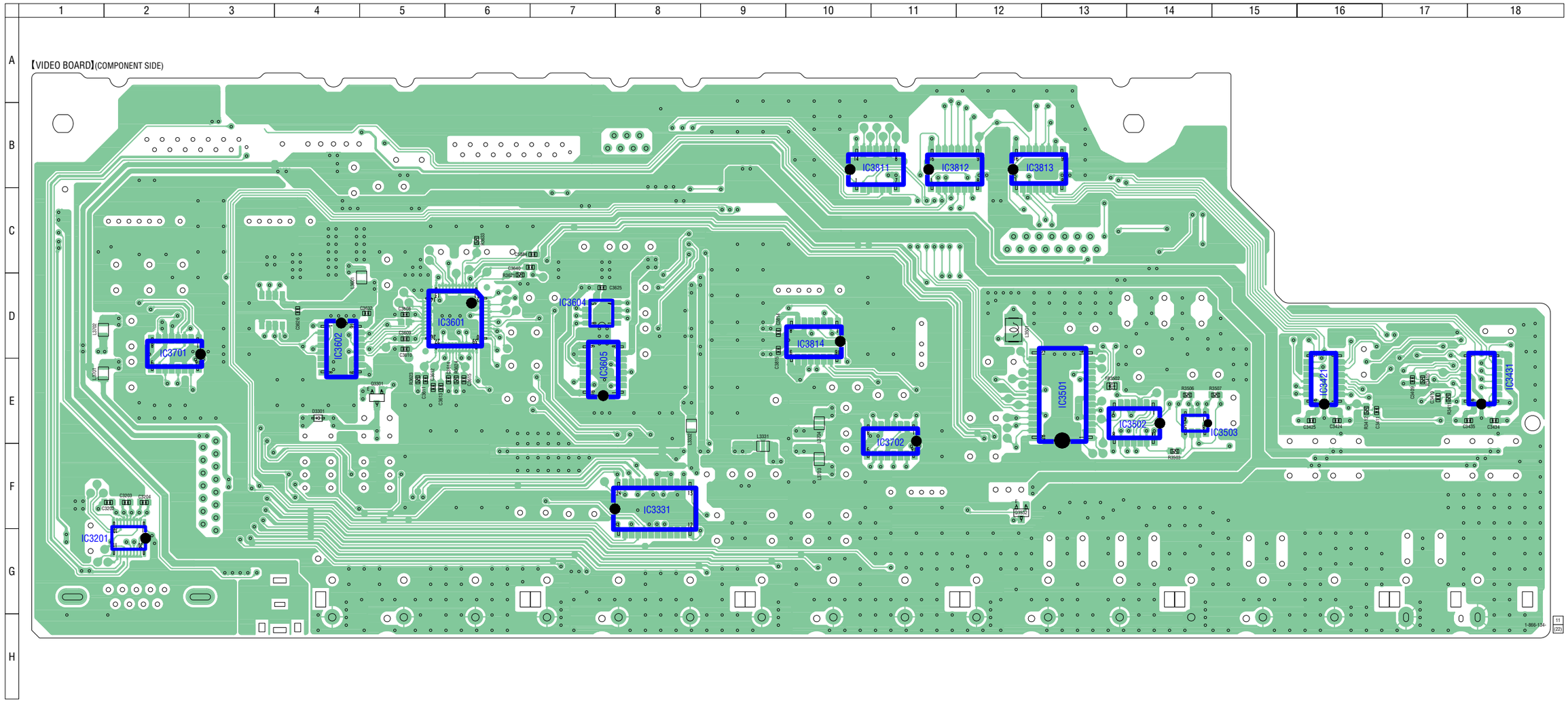
2-5. SCHEMATIC DIAGRAM – D-AMP Board (3/4) –



2-6. SCHEMATIC DIAGRAM – D-AMP Board (4/4) –



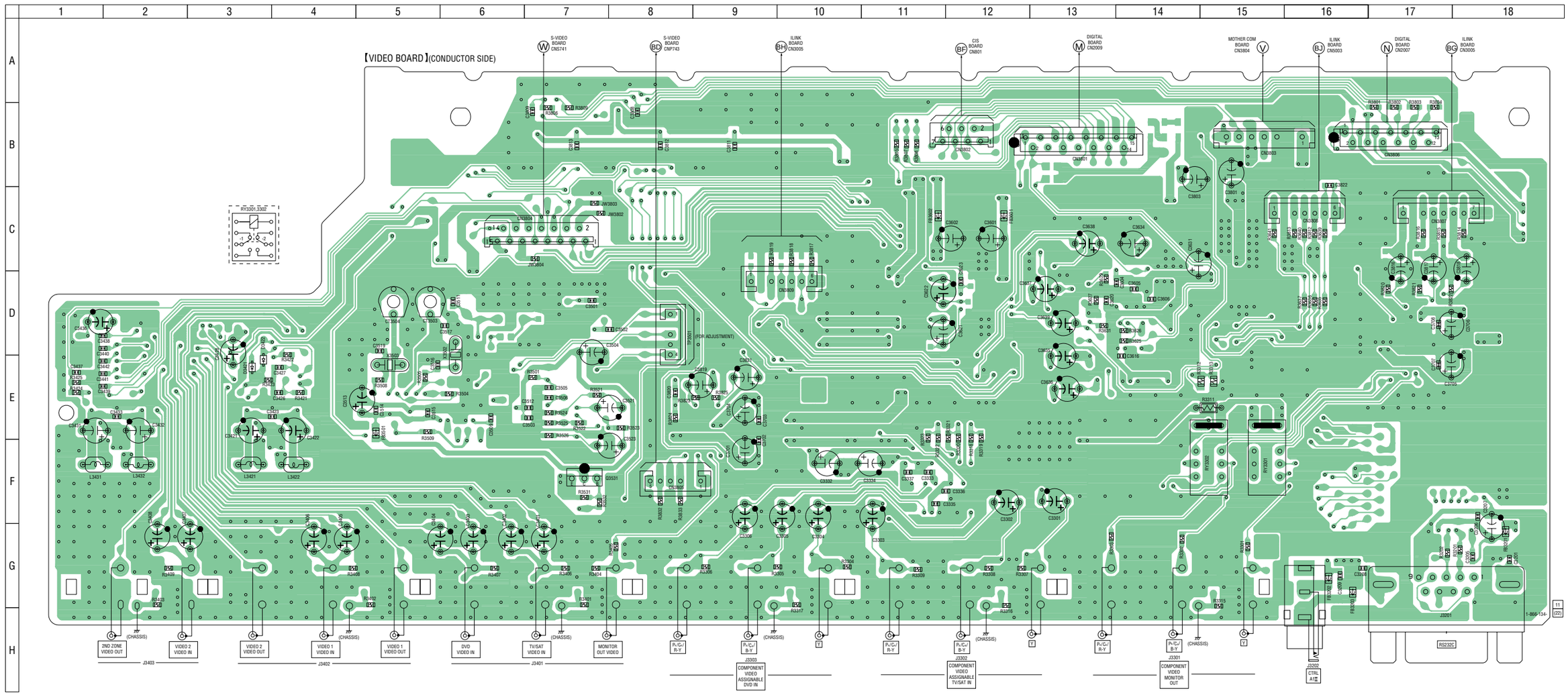
2-7. PRINTED WIRING BOARD – VIDEO Board (Component Side) – : Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location
D3301	E-4
IC3201	G-2
IC3331	F-8
IC3421	E-16
IC3431	E-18
IC3501	E-13
IC3502	E-14
IC3503	E-14
IC3601	D-6
IC3602	D-4
IC3604	D-7
IC3605	E-7
IC3701	D-2
IC3702	E-11
IC3811	B-11
IC3812	B-11
IC3813	B-12
IC3814	D-10
Q3301	E-5
Q3532	F-12

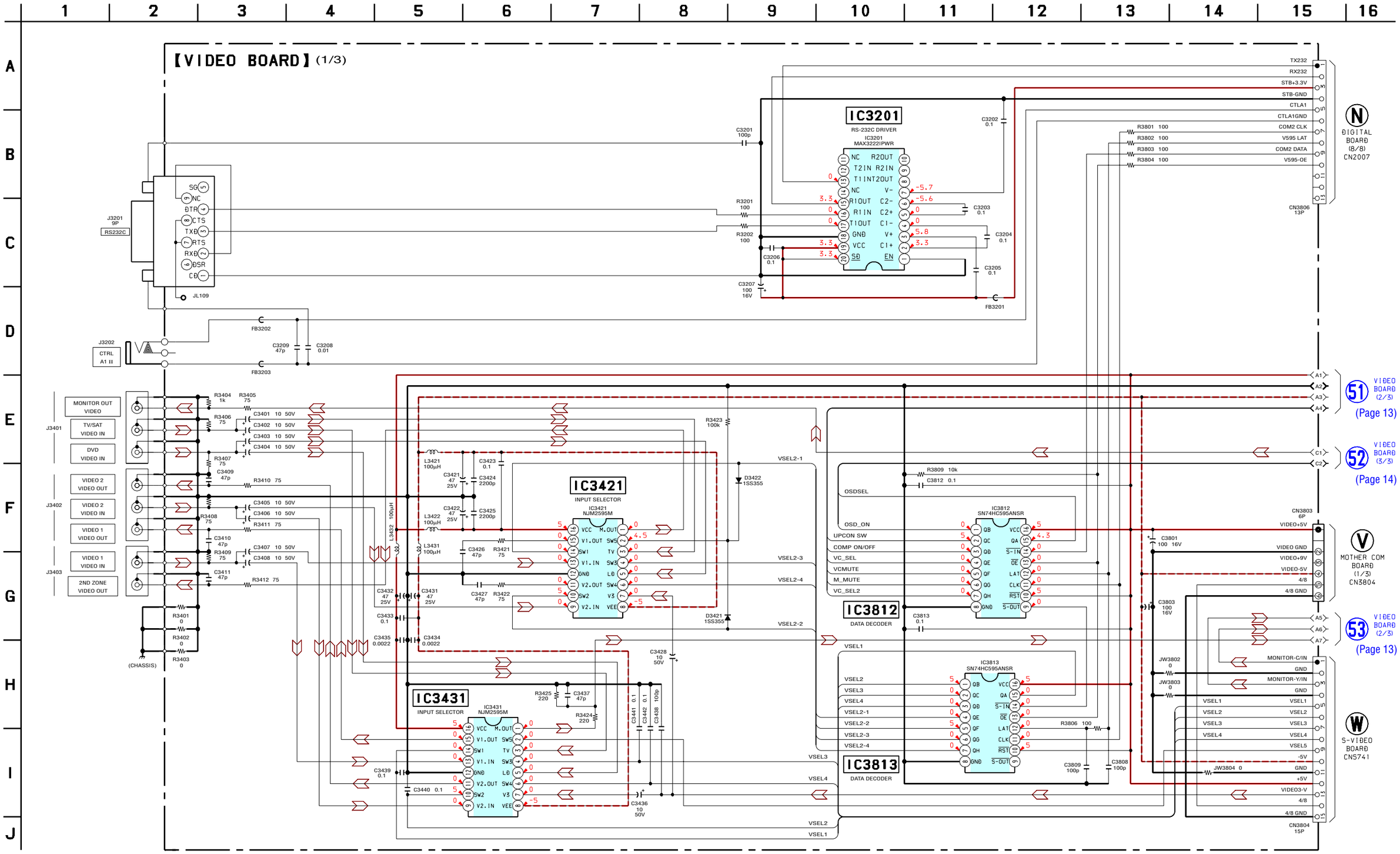
2-8. PRINTED WIRING BOARD – VIDEO Board (Conductor Side) – : Uses unleaded solder.



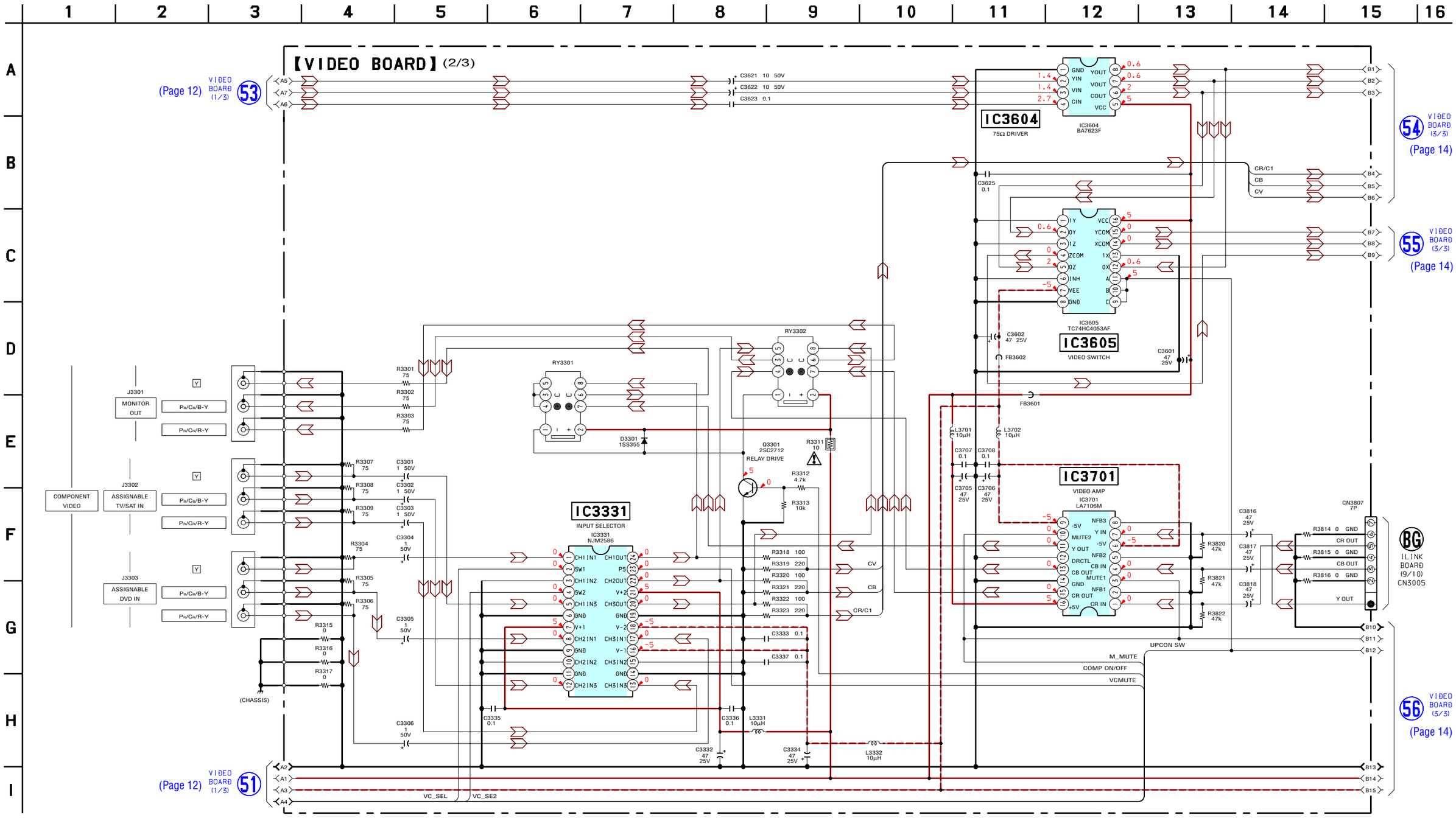
- **Semiconductor Location**

Ref. No.	Location
D3421	E-3
D3422	E-3
Q3531	F-7

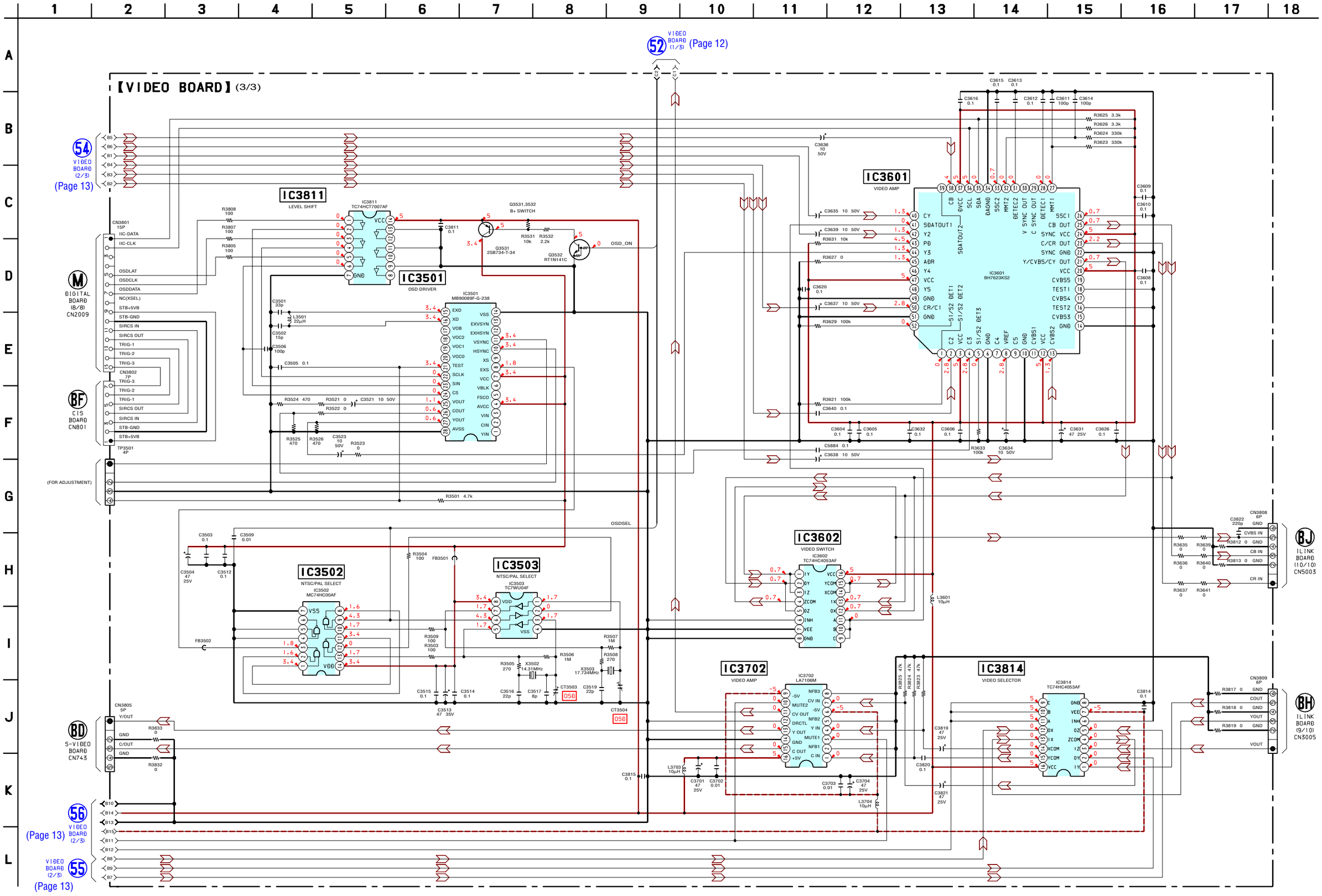
2-9. SCHEMATIC DIAGRAM – VIDEO Board (1/3) –



2-10. SCHEMATIC DIAGRAM – VIDEO Board (2/3) –



2-11. SCHEMATIC DIAGRAM – VIDEO Board (3/3) –



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... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- CAPACITORS
  uF: µF
- COILS
  uH: µH

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

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

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

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

Ref. No.	Part No.	Description			Remark
	A-1099-055-A	D-AMP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C1401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1402	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1403	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1404	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1405	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1406	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1408	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1409	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1410	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1411	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1412	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1413	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1414	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1415	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1417	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1418	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1419	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1420	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1421	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1422	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1423	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1424	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1425	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1426	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1427	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1428	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1429	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1430	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1432	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1433	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1434	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1435	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1436	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1437	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1438	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1440	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1441	1-112-159-11	ELECT	470uF	20%	100V
C1442	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1444	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1445	1-112-177-11	ELECT	330uF	20%	16V
C1446	1-100-722-21	ELECT	470uF	20%	6.3V
C1447	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1448	1-100-722-21	ELECT	470uF	20%	6.3V
C1449	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1450	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1451	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1452	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1453	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1454	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1455	1-100-722-21	ELECT	470uF	20%	6.3V
C1456	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1457	1-112-159-11	ELECT	470uF	20%	100V
C1458	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1459	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1460	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1461	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1462	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1463	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1464	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1465	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1466	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1467	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1468	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1469	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1470	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1471	1-112-159-11	ELECT	470uF	20%	100V
C1473	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1474	1-126-947-11	ELECT	47uF	20%	35V
C1475	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1476	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1477	1-100-722-21	ELECT	470uF	20%	6.3V
C1478	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1479	1-112-177-11	ELECT	330uF	20%	16V
C1480	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1481	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1482	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1483	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1484	1-112-159-11	ELECT	470uF	20%	100V
C1485	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1486	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1487	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1488	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V

D-AMP

Ref. No.	Part No.	Description			Remark
C1489	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1490	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1491	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1492	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1493	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1494	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1495	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1496	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1498	1-112-159-11	ELECT	470uF	20%	100V
C1499	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1500	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1502	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1503	1-100-722-21	ELECT	470uF	20%	6.3V
C1504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1505	1-112-177-11	ELECT	330uF	20%	16V
C1506	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1507	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1508	1-100-722-21	ELECT	470uF	20%	6.3V
C1509	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1510	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1511	1-100-722-21	ELECT	470uF	20%	6.3V
C1512	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1513	1-112-159-11	ELECT	470uF	20%	100V
C1514	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1515	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1516	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1517	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1518	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1519	1-100-722-21	ELECT	470uF	20%	6.3V
C1520	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1521	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1522	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1523	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1524	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1525	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1526	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1527	1-112-159-11	ELECT	470uF	20%	100V
C1529	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1530	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1531	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1532	1-112-177-11	ELECT	330uF	20%	16V
C1533	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1534	1-100-722-21	ELECT	470uF	20%	6.3V
C1535	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1536	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1537	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1538	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1539	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1540	1-112-159-11	ELECT	470uF	20%	100V
C1541	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1542	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1543	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1544	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1545	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1546	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1547	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1548	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1549	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1550	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1551	1-112-159-11	ELECT	470uF	20%	100V
C1553	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1554	1-112-177-11	ELECT	330uF	20%	16V
C1555	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1557	1-100-722-21	ELECT	470uF	20%	6.3V
C1558	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1559	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1560	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1561	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1562	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1563	1-100-722-21	ELECT	470uF	20%	6.3V
C1564	1-100-722-21	ELECT	470uF	20%	6.3V
C1565	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1568	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1569	1-112-159-11	ELECT	470uF	20%	100V
C1570	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1571	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1572	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1573	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1574	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1575	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1576	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1577	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1578	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1579	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1580	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1581	1-112-159-11	ELECT	470uF	20%	100V
C1583	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1584	1-112-177-11	ELECT	330uF	20%	16V
C1585	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1586	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1587	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1588	1-100-722-21	ELECT	470uF	20%	6.3V
C1589	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1590	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1591	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1592	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1593	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1594	1-112-159-11	ELECT	470uF	20%	100V
C1595	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1596	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1597	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1598	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1599	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1600	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1601	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1602	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1603	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1604	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1605	1-112-159-11	ELECT	470uF	20%	100V
C1608	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1609	1-162-974-11	CERAMIC CHIP	0.01uF		50V

Ref. No.	Part No.	Description			Remark
C1610	1-112-177-11	ELECT	330uF	20%	16V
C1611	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1612	1-100-722-21	ELECT	470uF	20%	6.3V
C1613	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1614	1-100-722-21	ELECT	470uF	20%	6.3V
C1615	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1616	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1617	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1618	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1619	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1620	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1621	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1622	1-100-722-21	ELECT	470uF	20%	6.3V
C1623	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1624	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1625	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1626	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1627	1-112-159-11	ELECT	470uF	20%	100V
C1628	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1629	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1630	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1631	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1632	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1633	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1634	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1635	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1636	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1637	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1638	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1716	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1717	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1718	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1719	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1720	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1721	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1722	1-165-815-91	CERAMIC CHIP	2.2uF		25V
C1723	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1724	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1725	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1726	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1727	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1728	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1729	1-164-156-11	CERAMIC CHIP	0.1uF		25V

< CONNECTOR >

CN1403	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P	
CN1405	1-794-004-11	CONNECTOR 17P	
CN1406	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P	
* CN1410	1-770-727-11	CONNECTOR, BOARD TO BOARD 8P	
CN1411	1-770-731-11	CONNECTOR, BOARD TO BOARD 12P	

< DIODE >

D1403	6-501-050-01	DIODE	SD833-09-TE12R	
D1404	6-501-050-01	DIODE	SD833-09-TE12R	
D1405	6-501-050-01	DIODE	SD833-09-TE12R	
D1406	6-501-050-01	DIODE	SD833-09-TE12R	
D1411	6-501-050-01	DIODE	SD833-09-TE12R	
D1412	6-501-050-01	DIODE	SD833-09-TE12R	
D1413	6-501-050-01	DIODE	SD833-09-TE12R	
D1414	6-501-050-01	DIODE	SD833-09-TE12R	
D1415	6-500-219-01	DIODE	1SS404 (TPH3)	
D1416	8-719-988-61	DIODE	1SS355TE-17	
D1421	6-501-050-01	DIODE	SD833-09-TE12R	
D1422	6-501-050-01	DIODE	SD833-09-TE12R	
D1423	6-501-050-01	DIODE	SD833-09-TE12R	
D1424	6-501-050-01	DIODE	SD833-09-TE12R	
D1429	6-501-050-01	DIODE	SD833-09-TE12R	
D1430	6-501-050-01	DIODE	SD833-09-TE12R	
D1431	6-501-050-01	DIODE	SD833-09-TE12R	
D1432	6-501-050-01	DIODE	SD833-09-TE12R	
D1436	6-501-050-01	DIODE	SD833-09-TE12R	
D1437	6-501-050-01	DIODE	SD833-09-TE12R	
D1438	6-501-050-01	DIODE	SD833-09-TE12R	
D1439	6-501-050-01	DIODE	SD833-09-TE12R	
D1444	6-501-050-01	DIODE	SD833-09-TE12R	
D1445	6-501-050-01	DIODE	SD833-09-TE12R	
D1446	6-501-050-01	DIODE	SD833-09-TE12R	
D1447	6-501-050-01	DIODE	SD833-09-TE12R	
D1452	6-501-050-01	DIODE	SD833-09-TE12R	
D1453	6-501-050-01	DIODE	SD833-09-TE12R	
D1454	6-501-050-01	DIODE	SD833-09-TE12R	
D1455	6-501-050-01	DIODE	SD833-09-TE12R	
D1529	8-719-988-61	DIODE	1SS355TE-17	
D1530	8-719-988-61	DIODE	1SS355TE-17	
D1531	8-719-988-61	DIODE	1SS355TE-17	
D1532	8-719-988-61	DIODE	1SS355TE-17	
D1533	8-719-988-61	DIODE	1SS355TE-17	
D1534	8-719-988-61	DIODE	1SS355TE-17	
D1535	8-719-988-61	DIODE	1SS355TE-17	
D1536	8-719-988-61	DIODE	1SS355TE-17	
D1537	8-719-988-61	DIODE	1SS355TE-17	
D1538	8-719-988-61	DIODE	1SS355TE-17	
D1539	8-719-988-61	DIODE	1SS355TE-17	
D1540	8-719-988-61	DIODE	1SS355TE-17	
D1541	8-719-988-61	DIODE	1SS355TE-17	
D1542	8-719-988-61	DIODE	1SS355TE-17	

< EARTH TERMINAL >

* EP1401	1-537-738-21	TERMINAL, EARTH	
* EP1402	1-537-738-21	TERMINAL, EARTH	
* EP1403	1-537-738-21	TERMINAL, EARTH	
* EP1404	1-537-738-21	TERMINAL, EARTH	
* EP1405	1-537-738-21	TERMINAL, EARTH	

< FERRITE BEAD >

FB1403	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1404	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1405	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1406	1-414-813-11	FERRITE, EMI (SMD) (2012)	

< IC >

IC1401	8-759-832-05	IC	BA18BC0FP-E2
IC1402	6-705-817-01	IC	CXD9773AQ
IC1405	8-759-538-95	IC	TC74LVX08FT (EL)
IC1406	8-759-538-95	IC	TC74LVX08FT (EL)
IC1407	6-704-197-01	IC	HIP2101IBZT

D-AMP

Ref. No.	Part No.	Description	Remark
IC1408	6-704-197-01	IC HIP2101IBZT	
IC1409	8-759-538-95	IC TC74LVX08FT (EL)	
IC1410	8-759-538-95	IC TC74LVX08FT (EL)	
IC1411	6-704-197-01	IC HIP2101IBZT	
IC1412	6-705-817-01	IC CXD9773AQ	
IC1413	6-704-197-01	IC HIP2101IBZT	
IC1414	8-759-538-95	IC TC74LVX08FT (EL)	
IC1415	8-759-538-95	IC TC74LVX08FT (EL)	
IC1416	6-704-197-01	IC HIP2101IBZT	
IC1417	8-759-524-50	IC TC74VHC541FT (EL)	
IC1418	6-704-197-01	IC HIP2101IBZT	
IC1419	8-759-524-50	IC TC74VHC541FT (EL)	
IC1420	8-759-538-95	IC TC74LVX08FT (EL)	
IC1421	8-759-538-95	IC TC74LVX08FT (EL)	
IC1422	6-705-817-01	IC CXD9773AQ	
IC1423	6-704-197-01	IC HIP2101IBZT	
IC1424	6-704-197-01	IC HIP2101IBZT	
IC1425	8-759-538-95	IC TC74LVX08FT (EL)	
IC1426	8-759-538-95	IC TC74LVX08FT (EL)	
IC1427	6-704-197-01	IC HIP2101IBZT	
IC1428	6-704-197-01	IC HIP2101IBZT	
IC1429	8-759-538-95	IC TC74LVX08FT (EL)	
IC1430	8-759-538-95	IC TC74LVX08FT (EL)	
IC1431	6-704-197-01	IC HIP2101IBZT	
IC1432	6-705-817-01	IC CXD9773AQ	
IC1433	6-704-197-01	IC HIP2101IBZT	
IC1434	8-759-538-95	IC TC74LVX08FT (EL)	
IC1435	8-759-538-95	IC TC74LVX08FT (EL)	
IC1436	6-704-197-01	IC HIP2101IBZT	
IC1437	6-704-197-01	IC HIP2101IBZT	
		< TRANSISTOR >	
Q1401	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1404	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1407	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1410	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1411	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1412	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1413	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1414	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1415	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1416	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1417	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1418	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1419	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1420	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1421	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1422	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1423	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1424	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1425	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1426	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1427	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1428	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1429	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1430	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1432	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1433	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1434	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1435	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1436	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1437	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1438	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1439	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1440	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1441	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1442	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1443	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1444	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1445	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1446	6-551-063-01	FET TPCA8006-H (T2LSO1Q)	
Q1449	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1452	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1455	8-729-271-31	TRANSISTOR 2SC2713-G	
Q1458	8-729-271-31	TRANSISTOR 2SC2713-G	
		< RESISTOR >	
R1401	1-216-864-11	SHORT CHIP 0	
R1402	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1403	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1404	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1405	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1407	1-216-864-11	SHORT CHIP 0	
R1408	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1410	1-216-864-11	SHORT CHIP 0	
R1415	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1416	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1423	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1425	1-216-864-11	SHORT CHIP 0	
R1428	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R1429	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R1435	1-218-867-11	METAL CHIP 6.8K 0.5% 1/10W	
R1439	1-216-864-11	SHORT CHIP 0	
R1446	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1448	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1450	1-216-815-11	METAL CHIP 330 5% 1/10W	
R1452	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1453	1-216-815-11	METAL CHIP 330 5% 1/10W	
R1454	1-216-815-11	METAL CHIP 330 5% 1/10W	
R1456	1-216-815-11	METAL CHIP 330 5% 1/10W	
R1457	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1461	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1464	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1465	1-216-791-11	METAL CHIP 3.3 5% 1/10W	
R1466	1-219-685-11	RES-CHIP 0.05 1% 1W	
R1470	1-219-685-11	RES-CHIP 0.05 1% 1W	
R1472	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1475	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1476	1-216-793-11	METAL CHIP 4.7 5% 1/10W	
R1478	1-216-805-11	METAL CHIP 47 5% 1/10W	
R1480	1-216-791-11	METAL CHIP 3.3 5% 1/10W	
R1484	1-216-864-11	SHORT CHIP 0	
R1486	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R1487	1-216-809-11	METAL CHIP 100 5% 1/10W	
R1488	1-216-815-11	METAL CHIP 330 5% 1/10W	

When either Power MOS among those shown below on the D-AMP board is to be replaced, replace four pieces bracketed with [ ] at the same time, because these four Power MOS could be all defective.
[Q1412, 1413, 1414, 1415], [Q1417 ,1418, 1419, 1420], [Q1422, 1423, 1424, 1425], [Q1426, 1428, 1429, 1430], [Q1432, 1434, 1435, 1436], [Q1437, 1439, 1440, 1441], [Q1442, 1444, 1445, 1446]
Also, when replacing them, be sure to destroy the Power MOS main

Ref. No.	Part No.	Description			Remark
R1489	1-216-815-11	METAL CHIP	330	5%	1/10W
R1490	1-216-815-11	METAL CHIP	330	5%	1/10W
R1491	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1493	1-216-815-11	METAL CHIP	330	5%	1/10W
R1494	1-216-805-11	METAL CHIP	47	5%	1/10W
R1495	1-216-801-11	METAL CHIP	22	5%	1/10W
R1496	1-216-805-11	METAL CHIP	47	5%	1/10W
R1497	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1498	1-219-685-11	RES-CHIP	0.05	1%	1W
R1499	1-219-685-11	RES-CHIP	0.05	1%	1W
R1500	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1501	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1502	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1503	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1504	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1505	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1506	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1508	1-216-805-11	METAL CHIP	47	5%	1/10W
R1509	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1510	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1511	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1512	1-216-805-11	METAL CHIP	47	5%	1/10W
R1513	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1516	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1517	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1518	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1519	1-216-809-11	METAL CHIP	100	5%	1/10W
R1521	1-216-813-11	METAL CHIP	220	5%	1/10W
R1522	1-216-797-11	METAL CHIP	10	5%	1/10W
R1523	1-216-809-11	METAL CHIP	100	5%	1/10W
R1524	1-216-809-11	METAL CHIP	100	5%	1/10W
R1525	1-216-815-11	METAL CHIP	330	5%	1/10W
R1526	1-216-815-11	METAL CHIP	330	5%	1/10W
R1527	1-216-815-11	METAL CHIP	330	5%	1/10W
R1529	1-216-809-11	METAL CHIP	100	5%	1/10W
R1530	1-216-815-11	METAL CHIP	330	5%	1/10W
R1531	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1532	1-216-809-11	METAL CHIP	100	5%	1/10W
R1533	1-216-809-11	METAL CHIP	100	5%	1/10W
R1534	1-216-805-11	METAL CHIP	47	5%	1/10W
R1535	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1536	1-216-805-11	METAL CHIP	47	5%	1/10W
R1537	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1538	1-216-805-11	METAL CHIP	47	5%	1/10W
R1539	1-219-685-11	RES-CHIP	0.05	1%	1W
R1540	1-216-809-11	METAL CHIP	100	5%	1/10W
R1541	1-219-685-11	RES-CHIP	0.05	1%	1W
R1542	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1543	1-216-809-11	METAL CHIP	100	5%	1/10W
R1544	1-216-805-11	METAL CHIP	47	5%	1/10W
R1545	1-216-809-11	METAL CHIP	100	5%	1/10W
R1546	1-216-805-11	METAL CHIP	47	5%	1/10W
R1547	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1548	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1549	1-216-809-11	METAL CHIP	100	5%	1/10W
R1550	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1551	1-216-809-11	METAL CHIP	100	5%	1/10W
R1552	1-216-809-11	METAL CHIP	100	5%	1/10W
R1553	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1554	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1555	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1556	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1557	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1559	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1561	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1563	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1564	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1567	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1568	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1569	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1570	1-216-809-11	METAL CHIP	100	5%	1/10W
R1572	1-216-805-11	METAL CHIP	47	5%	1/10W
R1573	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1574	1-216-805-11	METAL CHIP	47	5%	1/10W
R1575	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1576	1-219-685-11	RES-CHIP	0.05	1%	1W
R1577	1-219-685-11	RES-CHIP	0.05	1%	1W
R1578	1-216-805-11	METAL CHIP	47	5%	1/10W
R1579	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1580	1-216-815-11	METAL CHIP	330	5%	1/10W
R1581	1-216-815-11	METAL CHIP	330	5%	1/10W
R1582	1-216-815-11	METAL CHIP	330	5%	1/10W
R1583	1-216-815-11	METAL CHIP	330	5%	1/10W
R1584	1-216-805-11	METAL CHIP	47	5%	1/10W
R1585	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1586	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1587	1-216-809-11	METAL CHIP	100	5%	1/10W
R1588	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1590	1-216-805-11	METAL CHIP	47	5%	1/10W
R1591	1-216-805-11	METAL CHIP	47	5%	1/10W
R1592	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1593	1-219-685-11	RES-CHIP	0.05	1%	1W
R1594	1-219-685-11	RES-CHIP	0.05	1%	1W
R1595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1596	1-216-805-11	METAL CHIP	47	5%	1/10W
R1597	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1598	1-216-805-11	METAL CHIP	47	5%	1/10W
R1599	1-216-815-11	METAL CHIP	330	5%	1/10W
R1600	1-216-815-11	METAL CHIP	330	5%	1/10W
R1601	1-216-815-11	METAL CHIP	330	5%	1/10W
R1602	1-216-815-11	METAL CHIP	330	5%	1/10W
R1603	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1604	1-216-864-11	SHORT CHIP	0		
R1605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1606	1-216-809-11	METAL CHIP	100	5%	1/10W
R1607	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1609	1-216-805-11	METAL CHIP	47	5%	1/10W

D-AMP **VIDEO**

Ref. No.	Part No.	Description			Remark
R1610	1-216-805-11	METAL CHIP	47	5%	1/10W
R1611	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1612	1-219-685-11	RES-CHIP	0.05	1%	1W
R1613	1-219-685-11	RES-CHIP	0.05	1%	1W
R1614	1-216-805-11	METAL CHIP	47	5%	1/10W
R1615	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1616	1-216-815-11	METAL CHIP	330	5%	1/10W
R1617	1-216-815-11	METAL CHIP	330	5%	1/10W
R1618	1-216-815-11	METAL CHIP	330	5%	1/10W
R1619	1-216-815-11	METAL CHIP	330	5%	1/10W
R1620	1-216-805-11	METAL CHIP	47	5%	1/10W
R1621	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1623	1-216-809-11	METAL CHIP	100	5%	1/10W
R1624	1-216-809-11	METAL CHIP	100	5%	1/10W
R1625	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1627	1-216-805-11	METAL CHIP	47	5%	1/10W
R1628	1-216-805-11	METAL CHIP	47	5%	1/10W
R1629	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1631	1-219-685-11	RES-CHIP	0.05	1%	1W
R1632	1-219-685-11	RES-CHIP	0.05	1%	1W
R1633	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1634	1-216-805-11	METAL CHIP	47	5%	1/10W
R1635	1-216-815-11	METAL CHIP	330	5%	1/10W
R1636	1-216-815-11	METAL CHIP	330	5%	1/10W
R1637	1-216-815-11	METAL CHIP	330	5%	1/10W
R1638	1-216-815-11	METAL CHIP	330	5%	1/10W
R1639	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R1640	1-216-805-11	METAL CHIP	47	5%	1/10W
R1641	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R1642	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1646	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1647	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1648	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1649	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1650	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1651	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1652	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1653	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1655	1-216-864-11	SHORT CHIP	0		
R1657	1-216-864-11	SHORT CHIP	0		
R1659	1-216-864-11	SHORT CHIP	0		
R1661	1-216-864-11	SHORT CHIP	0		
R1669	1-216-809-11	METAL CHIP	100	5%	1/10W
R1684	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1685	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1686	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1687	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1688	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1689	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1690	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1691	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1692	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1693	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1694	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1695	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1696	1-208-299-41	RES-CHIP	3.3	2%	1/10W
R1697	1-208-299-41	RES-CHIP	3.3	2%	1/10W
		< THERMISTOR >			
TH1401	1-805-074-11	THERMISTOR			
TH1402	1-805-074-11	THERMISTOR			
TH1403	1-805-074-11	THERMISTOR			
TH1404	1-805-074-11	THERMISTOR			
TH1405	1-805-074-11	THERMISTOR			
TH1406	1-805-074-11	THERMISTOR			
TH1407	1-805-074-11	THERMISTOR			
		< VIBRATOR >			
X1402	1-813-388-11	OSCILLATOR, CRYSTAL (49.152MHz)			
**********					
	A-1108-890-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C3201	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3207	1-126-933-11	ELECT	100uF	20%	16V
C3208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3209	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3301	1-126-960-11	ELECT	1uF	20%	50V
C3302	1-126-960-11	ELECT	1uF	20%	50V
C3303	1-126-960-11	ELECT	1uF	20%	50V
C3304	1-126-960-11	ELECT	1uF	20%	50V
C3305	1-126-960-11	ELECT	1uF	20%	50V
C3306	1-126-960-11	ELECT	1uF	20%	50V
C3332	1-126-947-11	ELECT	47uF	20%	35V
C3333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3334	1-126-947-11	ELECT	47uF	20%	35V
C3335	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3336	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3401	1-126-964-11	ELECT	10uF	20%	50V
C3402	1-126-964-11	ELECT	10uF	20%	50V
C3403	1-126-964-11	ELECT	10uF	20%	50V
C3404	1-126-964-11	ELECT	10uF	20%	50V
C3405	1-126-964-11	ELECT	10uF	20%	50V
C3406	1-126-964-11	ELECT	10uF	20%	50V
C3407	1-126-964-11	ELECT	10uF	20%	50V
C3408	1-126-964-11	ELECT	10uF	20%	50V
C3409	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3410	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3411	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3421	1-126-947-11	ELECT	47uF	20%	35V
C3422	1-126-947-11	ELECT	47uF	20%	35V
C3423	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3424	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

Ref. No.	Part No.	Description			Remark
C3425	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3426	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3427	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3428	1-126-964-11	ELECT	10uF	20%	50V
C3431	1-126-947-11	ELECT	47uF	20%	35V
C3432	1-126-947-11	ELECT	47uF	20%	35V
C3433	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3434	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3435	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C3436	1-126-964-11	ELECT	10uF	20%	50V
C3437	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3438	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3439	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3440	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3441	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3501	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C3502	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-126-947-11	ELECT	47uF	20%	35V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3509	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-126-947-11	ELECT	47uF	20%	35V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3517	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C3519	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3521	1-126-964-11	ELECT	10uF	20%	50V
C3523	1-126-964-11	ELECT	10uF	20%	50V
C3601	1-126-947-11	ELECT	47uF	20%	35V
C3602	1-126-947-11	ELECT	47uF	20%	35V
C3604	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3605	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3608	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3609	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3610	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3611	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3612	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3613	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3614	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3621	1-126-964-11	ELECT	10uF	20%	50V
C3622	1-126-964-11	ELECT	10uF	20%	50V
C3623	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3625	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3626	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3631	1-126-947-11	ELECT	47uF	20%	35V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-126-964-11	ELECT	10uF	20%	50V
C3635	1-126-964-11	ELECT	10uF	20%	50V
C3636	1-126-964-11	ELECT	10uF	20%	50V
C3637	1-126-964-11	ELECT	10uF	20%	50V
C3638	1-126-964-11	ELECT	10uF	20%	50V
C3639	1-126-964-11	ELECT	10uF	20%	50V
C3640	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3701	1-126-947-11	ELECT	47uF	20%	35V
C3702	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3704	1-126-947-11	ELECT	47uF	20%	35V
C3705	1-126-947-11	ELECT	47uF	20%	35V
C3706	1-126-947-11	ELECT	47uF	20%	35V
C3707	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3708	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3801	1-126-933-11	ELECT	100uF	20%	16V
C3803	1-126-933-11	ELECT	100uF	20%	16V
C3808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3809	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3813	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3814	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3816	1-126-947-11	ELECT	47uF	20%	35V
C3817	1-126-947-11	ELECT	47uF	20%	35V
C3818	1-126-947-11	ELECT	47uF	20%	35V
C3819	1-126-947-11	ELECT	47uF	20%	35V
C3820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3821	1-126-947-11	ELECT	47uF	20%	35V
C3822	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C5884	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

< CONNECTOR >

CN3801	1-794-003-11	CONNECTOR 15P
CN3802	1-568-826-11	CONNECTOR, FFC 7P
CN3803	1-691-768-11	PLUG (MICRO CONNECTOR) 6P
CN3804	1-784-776-11	CONNECTOR, FFC 15P
CN3805	1-784-922-11	PIN, CONNECTOR 5P
CN3806	1-794-002-11	CONNECTOR 13P
CN3807	1-784-923-11	PIN, CONNECTOR 7P
CN3808	1-779-977-11	PIN, CONNECTOR 6P
CN3809	1-779-977-11	PIN, CONNECTOR 6P

< TRIMMER >

CT3503	1-141-442-91	CAP, CERAMIC TRIMMER
CT3504	1-141-442-91	CAP, CERAMIC TRIMMER

< DIODE >

D3301	8-719-988-61	DIODE 1SS355TE-17
D3421	8-719-988-61	DIODE 1SS355TE-17
D3422	8-719-988-61	DIODE 1SS355TE-17

< FERRITE BEAD >

FB3201	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3202	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3203	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3501	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3502	1-414-813-11	FERRITE, EMI (SMD) (2012)
FB3601	1-469-152-11	FERRITE, EMI (SMD) (2012)
FB3602	1-469-152-11	FERRITE, EMI (SMD) (2012)

VIDEO

Ref. No.	Part No.	Description	Remark
		< IC >	
IC3201	6-705-514-01	IC MAX3222IPWR	
IC3331	6-706-767-01	IC NJM2586AM	
IC3421	6-704-199-01	IC NJM2595M-TE2	
IC3431	6-704-199-01	IC NJM2595M-TE2	
IC3501	6-700-367-01	IC MB90089PF-G-238-BND	
IC3502	8-759-032-01	IC MC74HC00AF	
IC3503	8-759-242-70	IC TC7WU04F	
IC3601	6-706-723-01	IC BH7623KS2	
IC3602	8-759-671-94	IC MC74HC4053AFEL	
IC3604	8-759-682-76	IC BA7622F-E2-A	
IC3605	8-759-671-94	IC MC74HC4053AFEL	
IC3701	8-759-663-94	IC LA7106M-TLM	
IC3702	8-759-663-94	IC LA7106M-TLM	
IC3811	8-759-238-47	IC TC74HCT7007AF (EL)	
IC3812	8-759-268-29	IC SN74HC595ANS	
IC3813	8-759-268-29	IC SN74HC595ANS	
IC3814	8-759-671-94	IC MC74HC4053AFEL	
		< JACK >	
J3201	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)	
J3202	1-563-330-11	JACK (CTRL A1II)	
J3301	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)	
J3302	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE TV/SAT IN)	
J3303	1-817-601-21	JACK, PIN 3P (COMPONENT VIDEO ASSIGNABLE DVD IN)	
J3401	1-770-337-21	JACK, PIN 3P (MONITOR OUT VIDEO, TV/SAT/DVD VIDEO IN)	
J3402	1-770-337-21	JACK, PIN 3P (VIDEO 1 VIDEO IN/OUT, VIDEO 2 VIDEO OUT)	
J3403	1-794-435-11	JACK, PIN 2P (VIDEO 2 VIDEO IN, 2ND ZONE VIDEO OUT)	
		< JUMPER RESISTOR >	
JW3802	1-216-864-11	SHORT CHIP 0	
JW3803	1-216-864-11	SHORT CHIP 0	
JW3804	1-216-864-11	SHORT CHIP 0	
		< COIL >	
L3331	1-469-525-11	INDUCTOR 10uH	
L3332	1-469-525-11	INDUCTOR 10uH	
L3421	1-410-482-31	INDUCTOR 100uH	
L3422	1-410-482-31	INDUCTOR 100uH	
L3431	1-410-482-31	INDUCTOR 100uH	
L3432	1-410-482-31	INDUCTOR 100uH	
L3501	1-408-781-00	INDUCTOR 22uH	
L3601	1-469-525-11	INDUCTOR 10uH	
L3701	1-469-525-11	INDUCTOR 10uH	
L3702	1-469-525-11	INDUCTOR 10uH	
L3703	1-469-525-11	INDUCTOR 10uH	
L3704	1-469-525-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q3301	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q3531	8-729-140-97	TRANSISTOR 2SB734-34	
Q3532	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	
R3201	1-216-809-11	METAL CHIP 100 5% 1/10W	
R3202	1-216-809-11	METAL CHIP 100 5% 1/10W	
R3301	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3302	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3303	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3304	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3305	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3306	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3307	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3308	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3309	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
⚠R3311	1-249-393-11	CARBON 10 5% 1/4W F	
R3312	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R3313	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R3315	1-216-864-11	SHORT CHIP 0	
R3316	1-216-864-11	SHORT CHIP 0	
R3317	1-216-864-11	SHORT CHIP 0	
R3318	1-218-823-11	METAL CHIP 100 0.5% 1/10W	
R3319	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R3320	1-218-823-11	METAL CHIP 100 0.5% 1/10W	
R3321	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R3322	1-218-823-11	METAL CHIP 100 0.5% 1/10W	
R3323	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R3401	1-216-864-11	SHORT CHIP 0	
R3402	1-216-864-11	SHORT CHIP 0	
R3403	1-216-864-11	SHORT CHIP 0	
R3404	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R3405	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3406	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3407	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3408	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3409	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3410	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3411	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3412	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3421	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3422	1-211-990-11	METAL CHIP 75 0.5% 1/10W	
R3423	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R3424	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R3425	1-218-831-11	METAL CHIP 220 0.5% 1/10W	
R3501	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R3503	1-216-809-11	METAL CHIP 100 5% 1/10W	
R3504	1-216-809-11	METAL CHIP 100 5% 1/10W	
R3505	1-216-814-11	METAL CHIP 270 5% 1/10W	
R3506	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R3507	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R3508	1-216-814-11	METAL CHIP 270 5% 1/10W	
R3509	1-216-809-11	METAL CHIP 100 5% 1/10W	
R3521	1-216-864-11	SHORT CHIP 0	
R3522	1-216-864-11	SHORT CHIP 0	
R3523	1-216-864-11	SHORT CHIP 0	
R3524	1-216-817-11	METAL CHIP 470 5% 1/10W	
R3525	1-216-817-11	METAL CHIP 470 5% 1/10W	
R3526	1-216-817-11	METAL CHIP 470 5% 1/10W	
R3531	1-216-833-11	METAL CHIP 10K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R3532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3621	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3623	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3624	1-216-851-11	METAL CHIP	330K	5%	1/10W
R3625	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3626	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3627	1-216-864-11	SHORT CHIP	0		
R3629	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3633	1-216-845-11	METAL CHIP	100K	5%	1/10W
R3635	1-216-864-11	SHORT CHIP	0		
R3636	1-216-864-11	SHORT CHIP	0		
R3637	1-216-864-11	SHORT CHIP	0		
R3639	1-216-864-11	SHORT CHIP	0		
R3640	1-216-864-11	SHORT CHIP	0		
R3641	1-216-864-11	SHORT CHIP	0		
R3801	1-216-809-11	METAL CHIP	100	5%	1/10W
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
R3805	1-216-809-11	METAL CHIP	100	5%	1/10W
R3806	1-216-809-11	METAL CHIP	100	5%	1/10W
R3807	1-216-809-11	METAL CHIP	100	5%	1/10W
R3808	1-216-809-11	METAL CHIP	100	5%	1/10W
R3809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3812	1-216-864-11	SHORT CHIP	0		
R3813	1-216-864-11	SHORT CHIP	0		
R3814	1-216-864-11	SHORT CHIP	0		
R3815	1-216-864-11	SHORT CHIP	0		
R3816	1-216-864-11	SHORT CHIP	0		
R3817	1-216-864-11	SHORT CHIP	0		
R3818	1-216-864-11	SHORT CHIP	0		
R3819	1-216-864-11	SHORT CHIP	0		
R3820	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3821	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3822	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3823	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3824	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3825	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3832	1-216-864-11	SHORT CHIP	0		
R3833	1-216-864-11	SHORT CHIP	0		
		< RELAY >			
RY3301	1-755-184-11	RELAY			
RY3302	1-755-184-11	RELAY			
		< CONNECTOR >			
TP3501	1-784-921-11	PIN, CONNECTOR 4P			
		< VIBRATOR >			
X3502	1-781-821-21	VIBRATOR, CRYSTAL (14.31MHz)			
X3503	1-781-820-21	VIBRATOR, CRYSTAL (17.734MHz)			

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.

Ver.	Date	Description of Revision
1.0	2005.06	New
1.1	2005.09	Addition of BLACK type (US and Canadian models only)
1.2	2005.11	Addition of Chinese model Change of Part No. for ELECT CAPACITOR on ANALOG board Delete of AC INLET board by change in AC inlet Change of Part No. for Ref. No. IC1800 on MOTHER COM board Change of ANALOG, FAN, FILTER-L, FILTER-R and HDMI POWER boards (suffix-22) Change of DISPLAY, FUNCTION, HP, JOG, KEY BOARD, LED, POWER SW, POWER SW SUB, VIDEO-3 and VOL boards (suffix-13) Change of D-AMP and VIDEO boards (suffix-22) (SUPPLEMENT-1) (ECN-ECA62121/ECB08799/ECB13263/ECB17475/ECB24854/ECB27896)
1.3	2005.12	Addition of Part No. for ILINK board and note (SPM-05086)