

CAV-CVS12ES

SERVICE MANUAL

US Model

Ver. 1.0 2007. 07



SPECIFICATIONS

Video input

Composite	1.0 Vp-p/75 ohm
Component:	
Y:	1.0 Vp-p/75 ohm
Pb:	0.7 Vp-p/75 ohm
Pr:	0.7 Vp-p/75 ohm

Video output

CAT5 RJ45 output

General

IR input:	accept 40 kHz IR modulation frequency
Power requirements:	120 V AC, 60 Hz
Power consumption:	33 W
Operating temperature:	0°C to 40°C (32°F to 104°F)
Dimensions:	435 × 100 × 290 mm (17 1/4 × 4 × 11 1/2 inches) (w/h/d) (including projecting parts)
Mass:	4.5 kg (9 lbs 15 oz) (excluding AC power cord)

Design and specifications are subject to change without notice.

COMPONENT VIDEO SWITCHER

9-887-773-01

2007G04-1

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Sony Corporation

Home Audio Division

Published by Sony Techno Create Corporation

SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

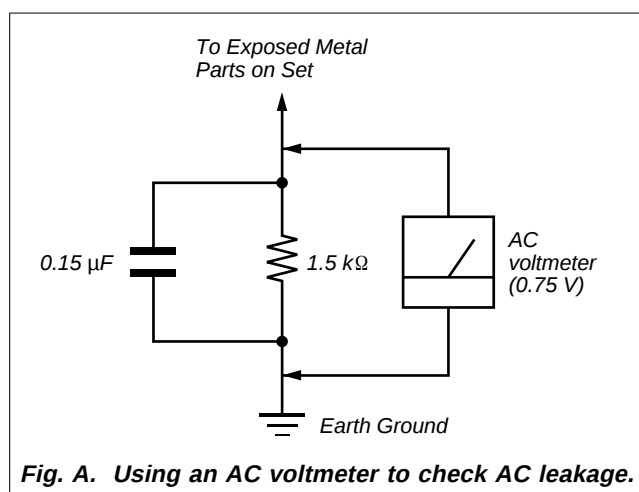
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.

Check leakage as described below.

LEAKAGE TEST

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

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



SAFETY-RELATED COMPONENT WARNING!!

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

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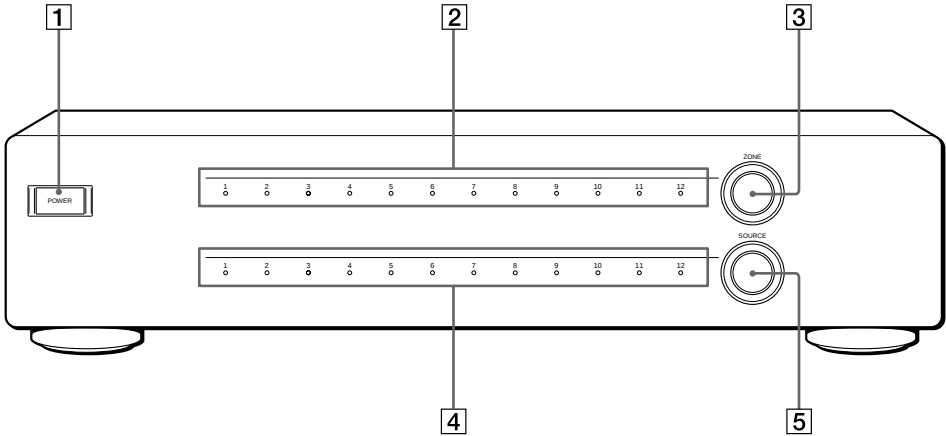
6. ELECTRICAL PARTS LIST 52

This section is extracted
from instruction manual.

Parts and Controls

Getting Started

Front panel of the Component Video Switcher



1 POWER switch

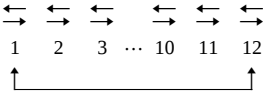
Press to turn the power on or off.

2 ZONE indicator

The selected zone number lights up.

3 ZONE selector

Turn to select the zone. Each time you turn the ZONE selector, the zone changes cyclically as shown below.



4 SOURCE indicator

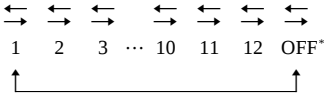
The source number selected for the zone lights up. When the zone does not select any source component, no SOURCE indicator lights up.

Note

When you assign two or more source components to the same source number, the assigned source numbers of the SOURCE indicator blink as an error indication.

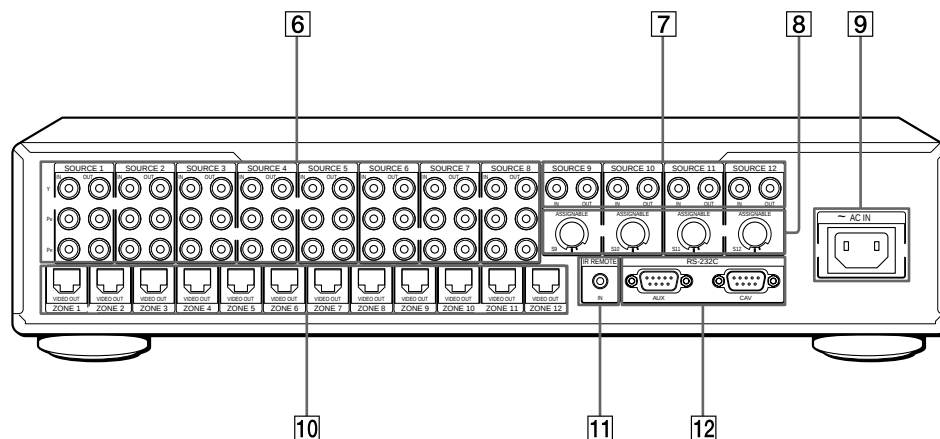
5 SOURCE selector

Turn to select the source component. Each time you turn the SOURCE selector, the source component changes cyclically as shown below.



* When the OFF is selected, no SOURCE indicator lights up.

Rear panel of the Component Video Switcher

**6 SOURCE 1 ~ 8 connection jacks****a) VIDEO IN**

An RCA jack for component video input from a source component.

b) VIDEO OUT

An RCA jack for connecting a video source to another local component.

Note

The video loop-through output is not active when the Main Unit is turned off.

7 SOURCE 9 ~ 12 connection jacks**a) VIDEO IN**

An RCA jack for composite video input from a source component. The composite video signal is up-converted to the component video signal automatically.

b) VIDEO OUT

An RCA jack for connecting a video source to another local component.

Note

The video loop-through output is not active when the Main Unit is turned off.

8 ASSIGNABLE switch for SOURCE 9 ~ 12

Assign the source component connected to source 9 ~ 12 to source 1 ~ 8. For example, when the SOURCE 9 ASSIGNABLE switch is set to "1", the source 9 video signal is distributed to the zone selected for source 1.

Notes

- Set the ASSIGNABLE switch to "0" when you do not use the assign function.
- When you assign two or more source components to the same source number, the assigned source numbers of SOURCE indicator blink as an error indication.

9 AC IN

Connects the supplied AC power cord to AC IN.

10 ZONE VIDEO OUT

A CAT5 RJ45 connector that sends a source video signal to the component video input of a zone. Use the more than CAT5 cable for the connection.

11 IR REMOTE IN

A 3.5 mm monaural mini jack for receiving the SIRCS code from the connected IR-controlled component. The Main Unit can be equally controlled by the RS-232C commands.

Note

The remote control is not supplied.

12 RS-232C**a) AUX**

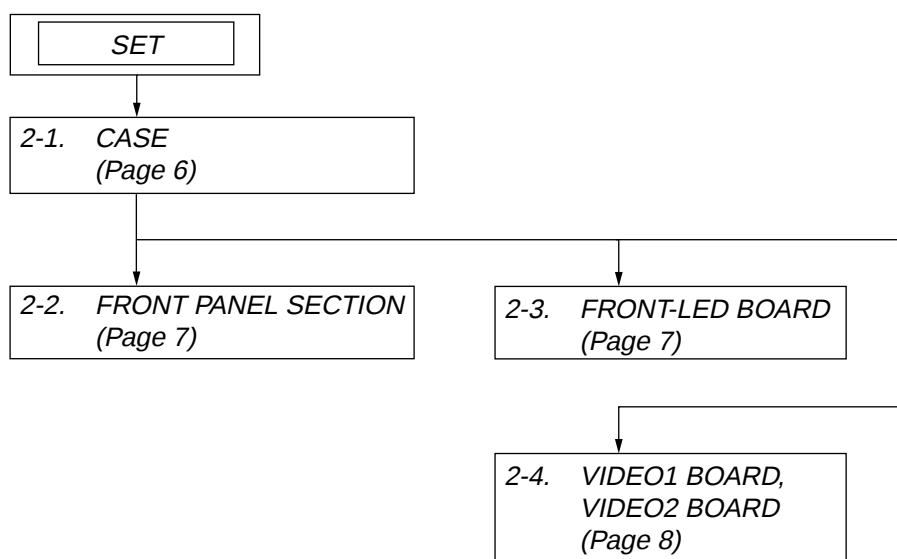
Connects to other RS-232C components, allowing the Main Unit to be controlled by other RS-232C components. Use an RS-232C cross cable for the connection.

b) CAV

Connects to the CAV-M1000ES, allowing the Main Unit to be controlled by the CAV-M1000ES. Use an RS-232C cross cable for the connection.

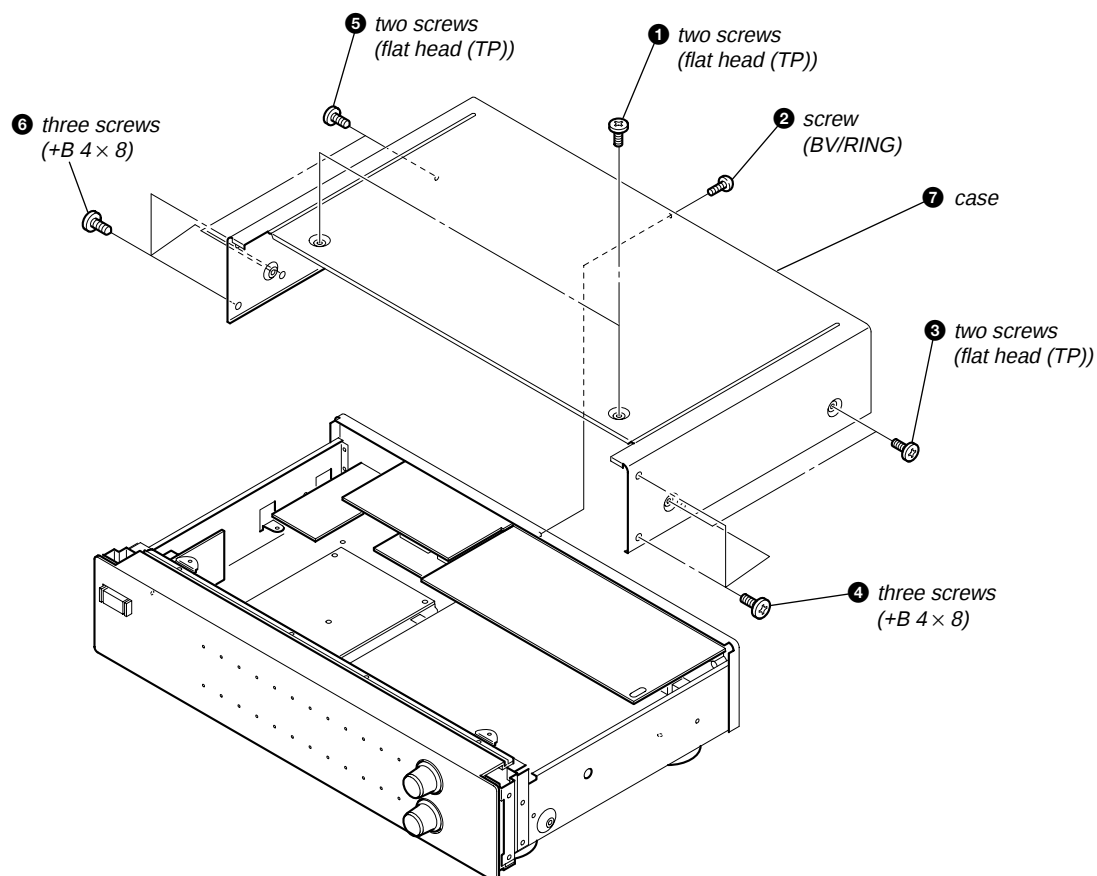
SECTION 2 DISASSEMBLY

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

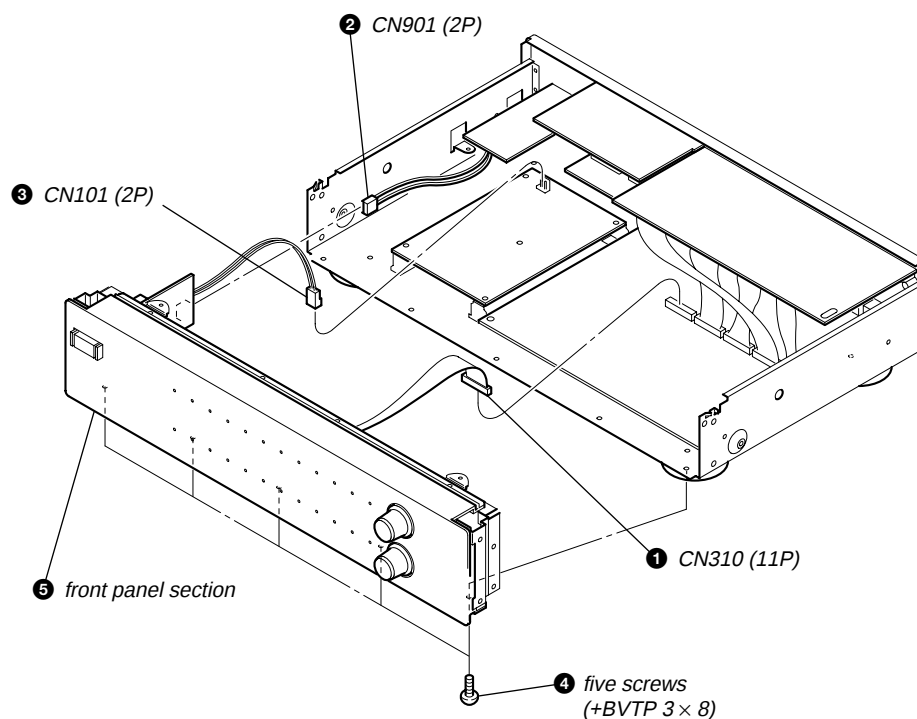


Note : Follow the disassembly procedure in the numerical order given.

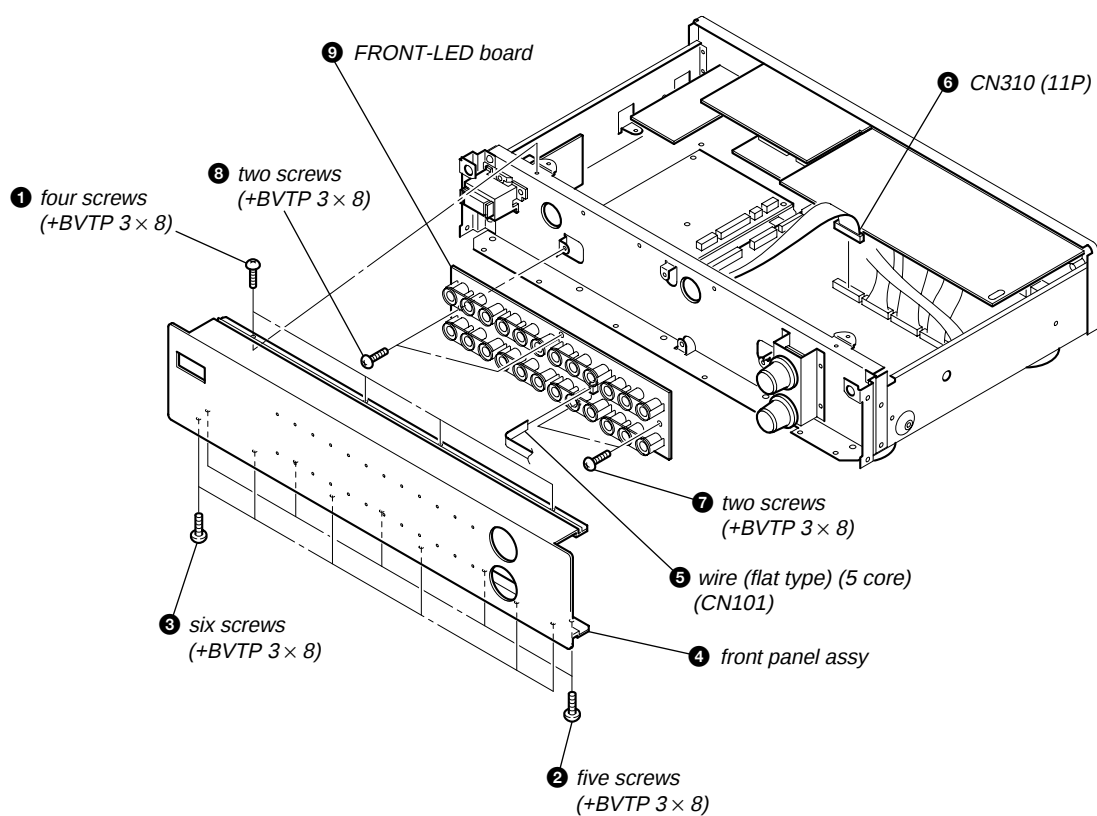
2-1. CASE



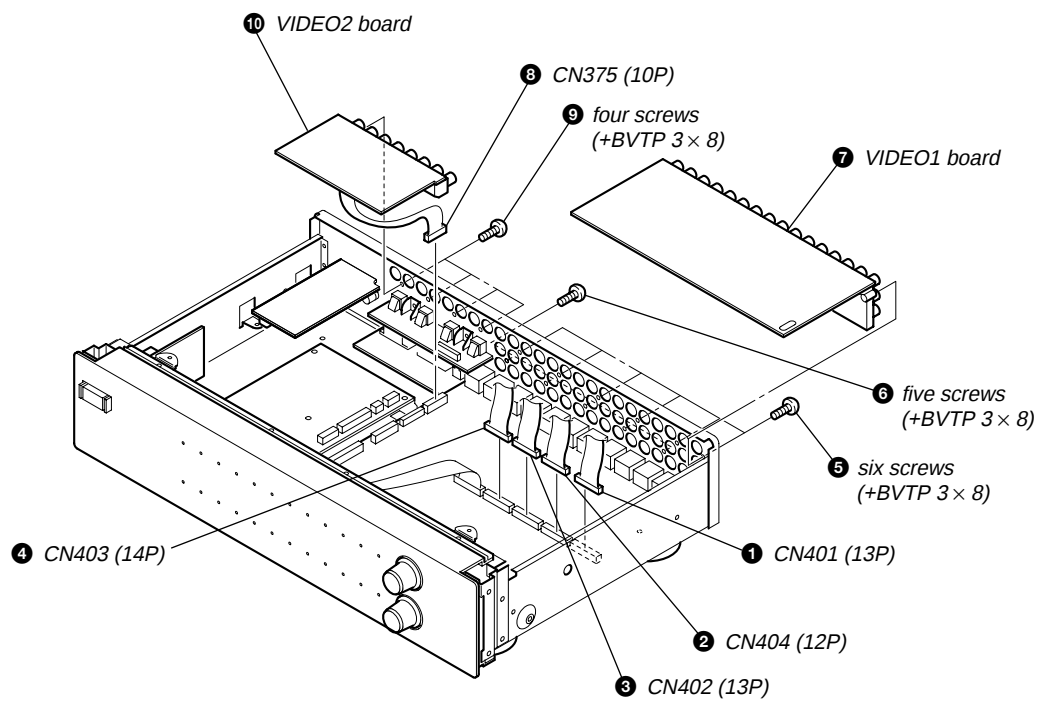
2-2. FRONT PANEL SECTION



2-3. FRONT-LED BOARD



2-4. VIDEO1 BOARD, VIDEO2 BOARD

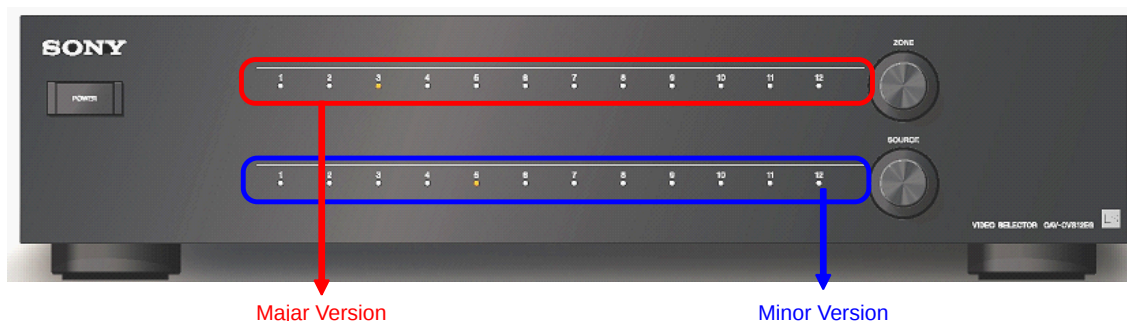


SECTION 3

SERVICE NOTES

3-1. FACTORY TEST MODE

- **Function**
Test Mode for verifying the hardware operation at the factory.
- **Indication**
The two-digit version number is indicated just after the system is started up.



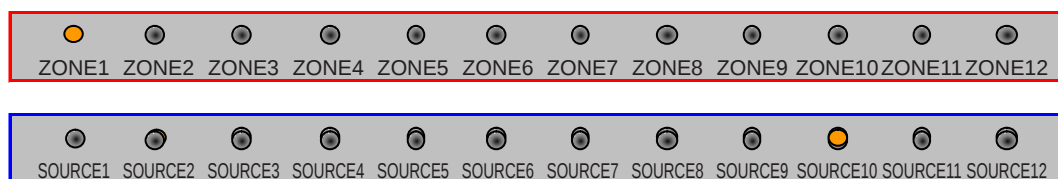
Version indication

The ZONE LED indicator corresponding to the major version number goes on.

The SOURCE LED indicator corresponding to the minor version number goes on.

Example) For Ver. 1.0:

The ZONE 1 LED representing the major version '1' and the SOURCE 10 LED representing the minor version '0' go on.



Then, when any JOG operation is performed, the screen is returned to its normal display.

- **Operation**
 1. Turn power to the CAV-CVS12ES body OFF.
 2. Set all of the Convert Video Assign Switches (S251 through S254) to [9].
 3. Turn power to the CAV-CVS12ES body ON.
→ After power-on, the initial values are set as given below (Table 1). The system is prepared to check all the input and output terminals.
 4. The version is indicated by the appropriate LED indicators after startup.
 5. When a JOG operation is performed, the version indication is finished and the screen is returned to its normal display.
→ The Source selections are still as given in Table 1.

Table 1 Initial Settings in the Test Mode

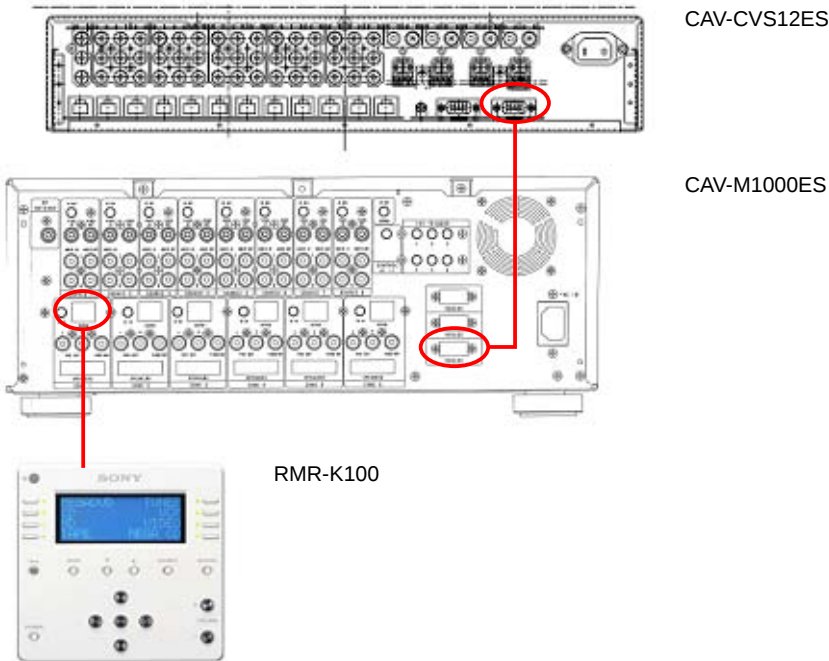
Distribution	SOURCE
ZONE1	SOURCE1
ZONE2	SOURCE2
ZONE3	SOURCE3
ZONE4	SOURCE4
ZONE5	SOURCE5
ZONE6	SOURCE6
ZONE7	SOURCE7
ZONE8	SOURCE8
ZONE9	SOURCE9
ZONE10	SOURCE10
ZONE11	SOURCE11
ZONE12	SOURCE12

3-2. RS232C CHECKING PROCEDURE

Note: To connect with the CAV-CVS12ES, the software for the CAV-M1000ES and RMR-K100 must be updated.

• Connection

- 1. CAV port of CAV-CVS12ES connect to AUX port of CAV-M1000ES via RS-232C cross cable.
- 2. RMR-K100 connect to ZONE1 jack of CAV-M1000ES via CAT5 cable.



• Check procedure

- 1. Setup CAV-M1000ES (Please refer to page 11 for “3-3. CAV-M1000ES SETUP”)
- 2. CAV-CVS12ES & CAV-M1000ES Power ON.
- 3. Press POWER button of RMR-K100.

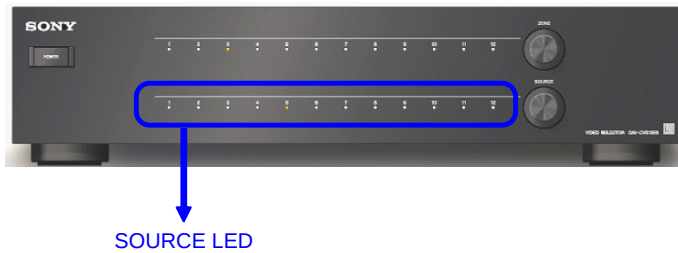


- 4. Press SOURCE 1-8 button.



5. Confirm CAV-CVS12ES front LED display is correct change result.

Ex. If you select SOURCE 1 of RMR-K100, Source 1 LED of CAV-CVS12ES is lighting.



6. Change connection of RS232C port.

RS232C connection change to AUX port of CAV-CVS12ES.
And, check same procedure as CAV port.

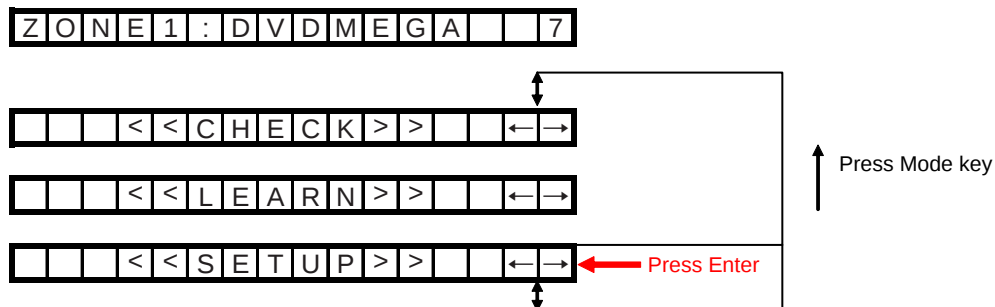
3-3. CAV-M1000ES SETUP

- Wired remote setup change
When CAV-CVS12ES

(Please refer to page 12 for “3-4. CAV-1000ES KEY ASSIGNMENT”)

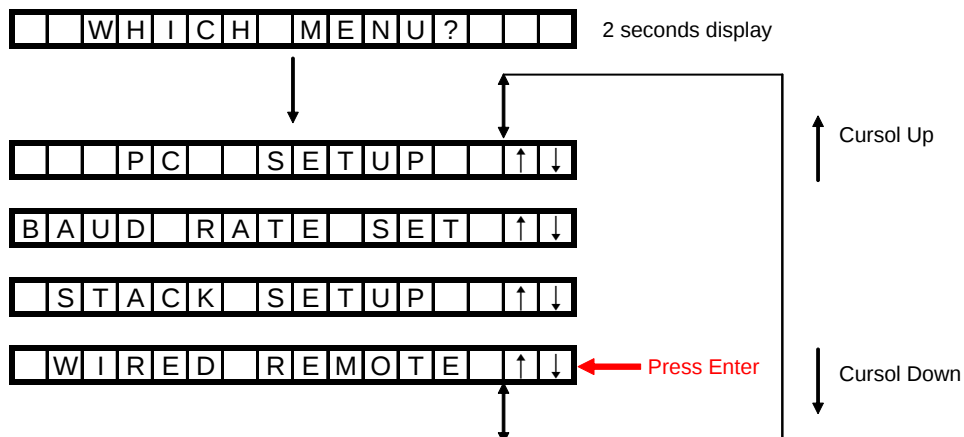
Step 1

Select SETUP Mode by Mode key



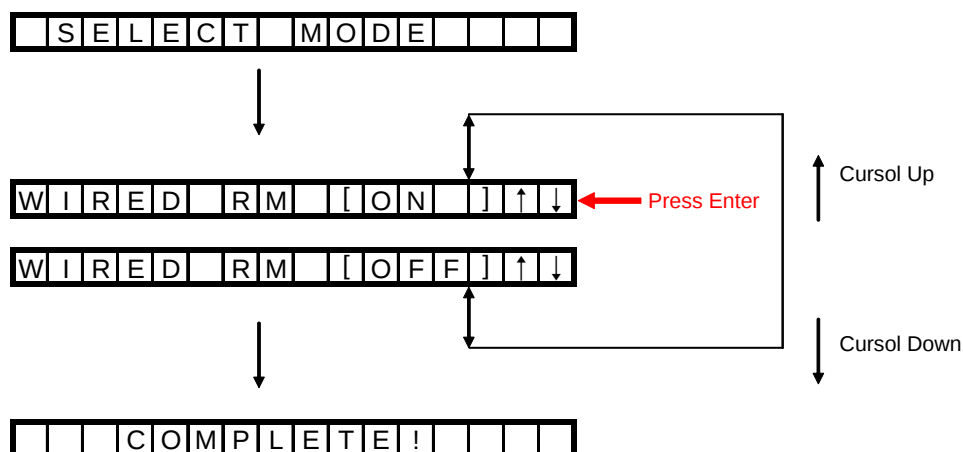
Step 2

Select WIRED REMOTE setup



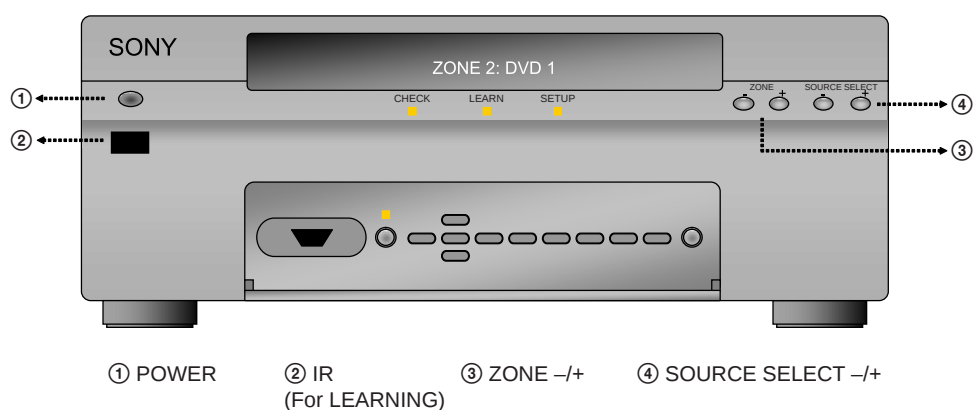
Step 3

Select WIRED REMOTE ON

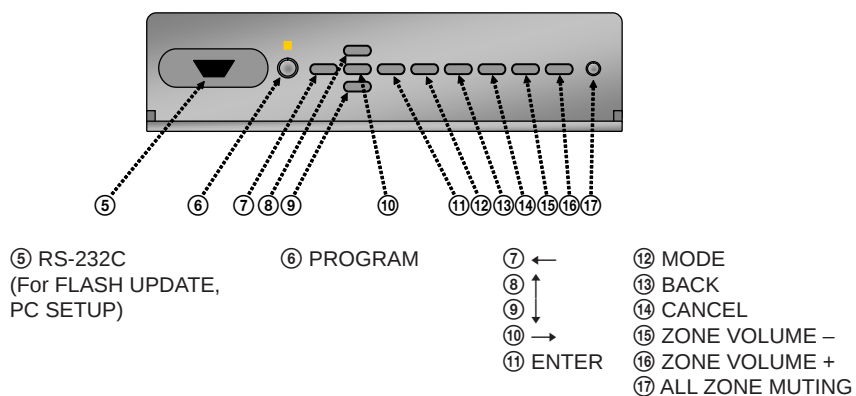


3-4. CAV-M1000ES KEY ASSIGNMENT

Front Panel

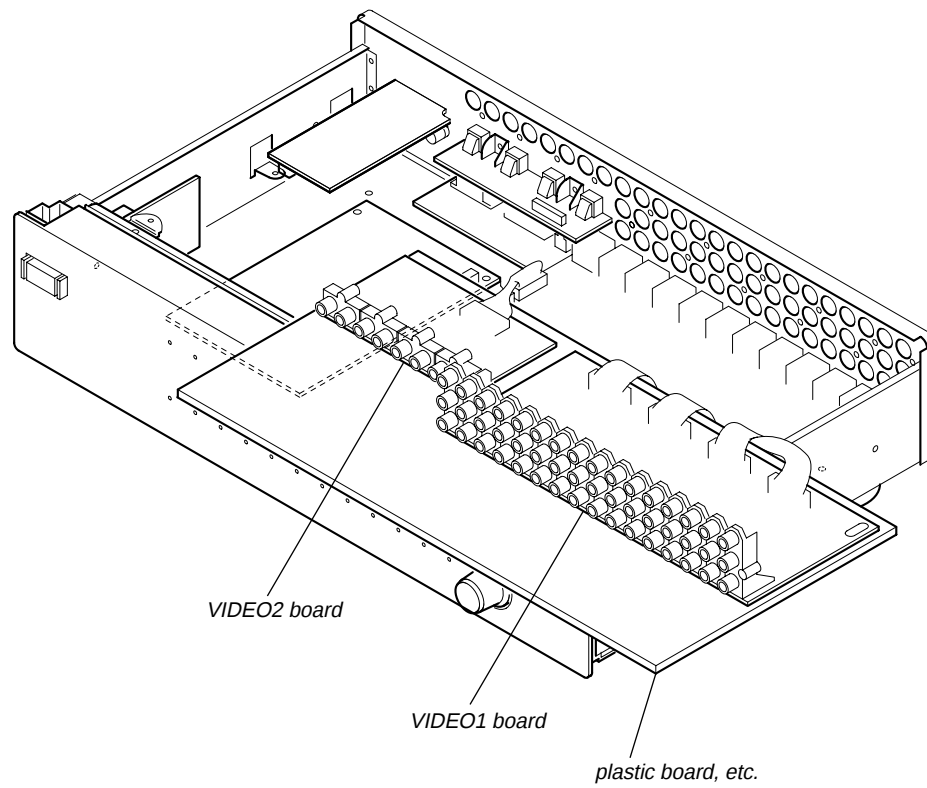


Under cover Buttons



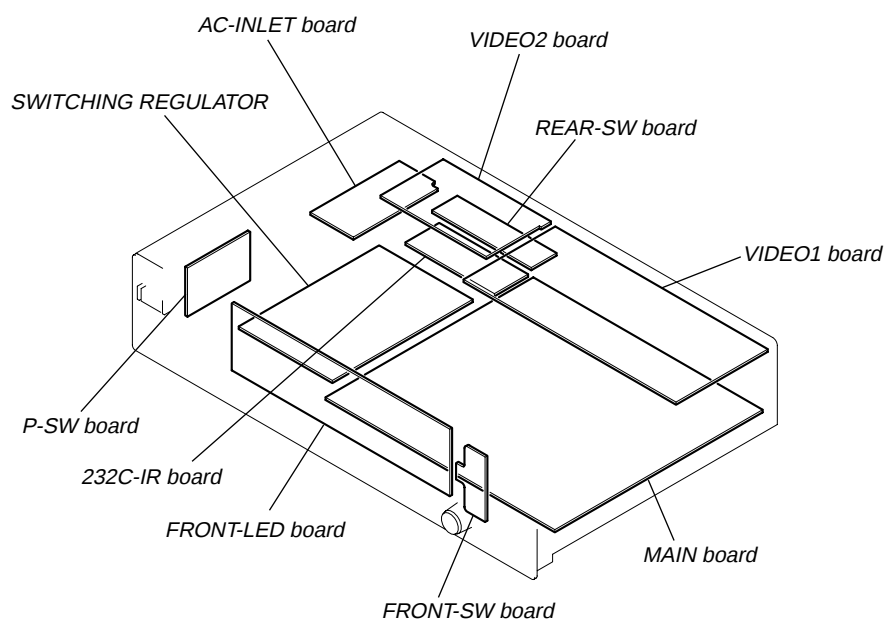
3-5. SERVICE POSITION

Note: When servicing the VIDEO1 board and the VIDEO2 board, remove the VIDEO1 board and the VIDEO2 board from the back panel as shown below. Then place a plastic board, etc. under each of these boards to prevent contact with the chassis before servicing them.

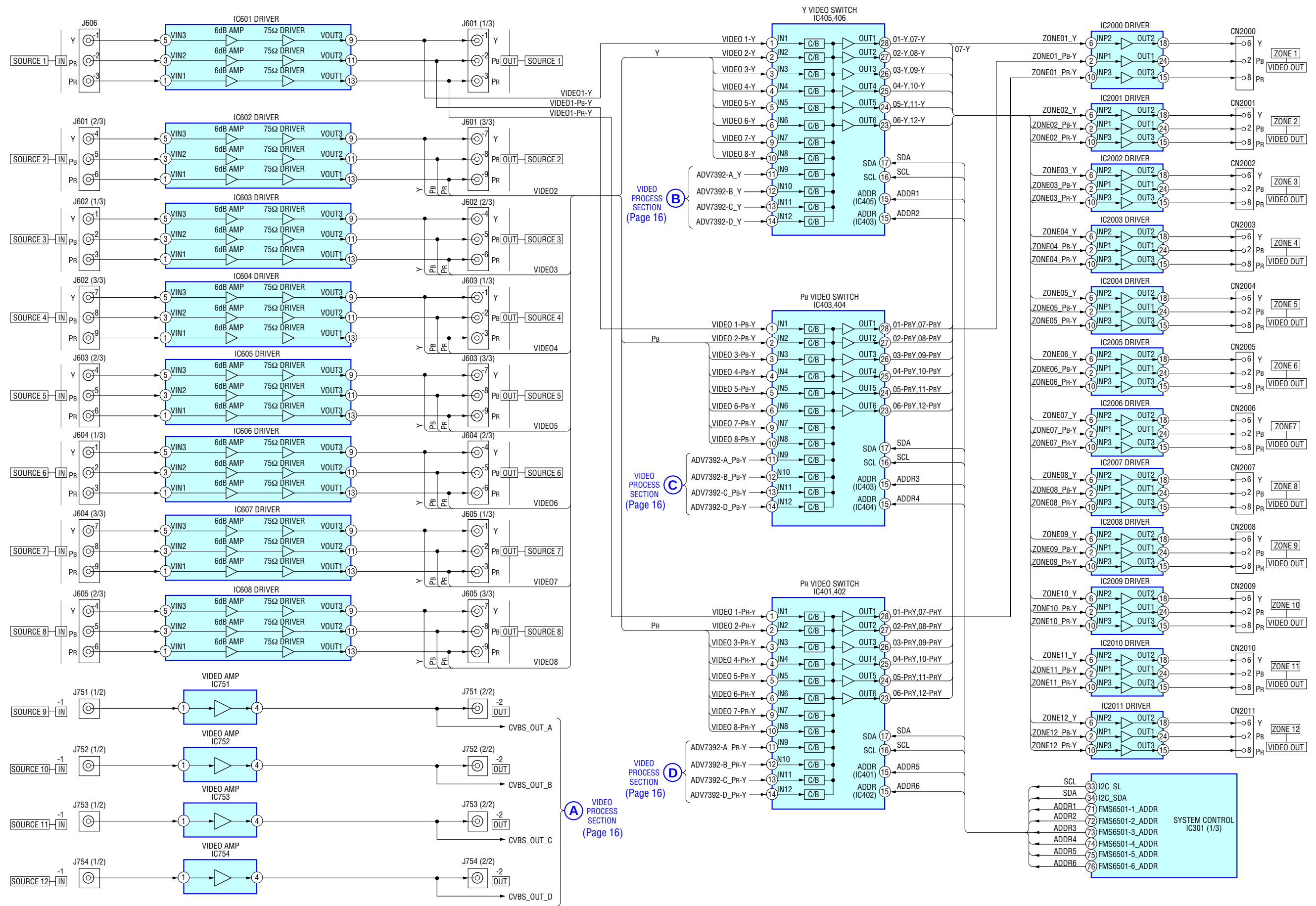


SECTION 4 DIAGRAMS

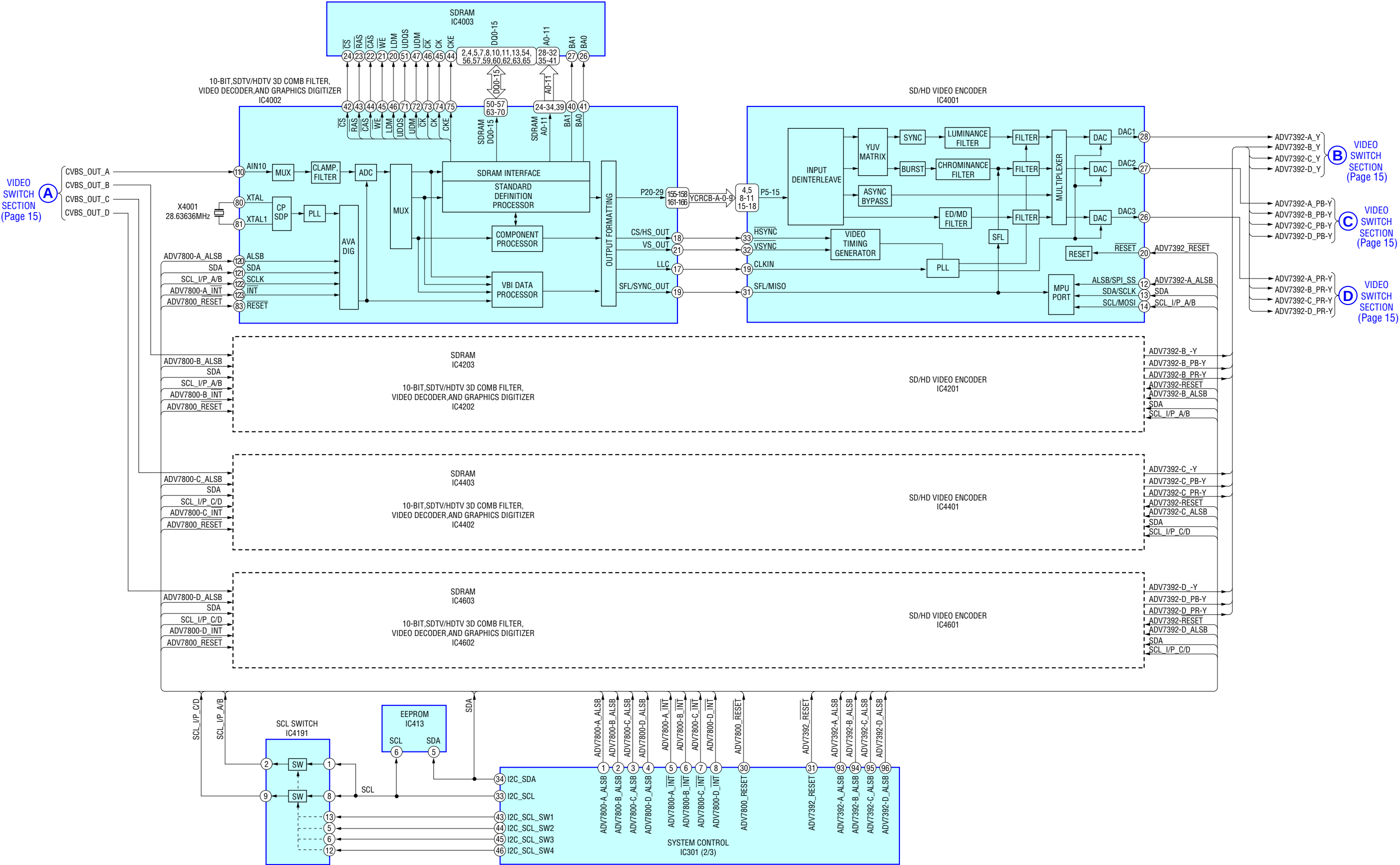
• Circuit Boards Location



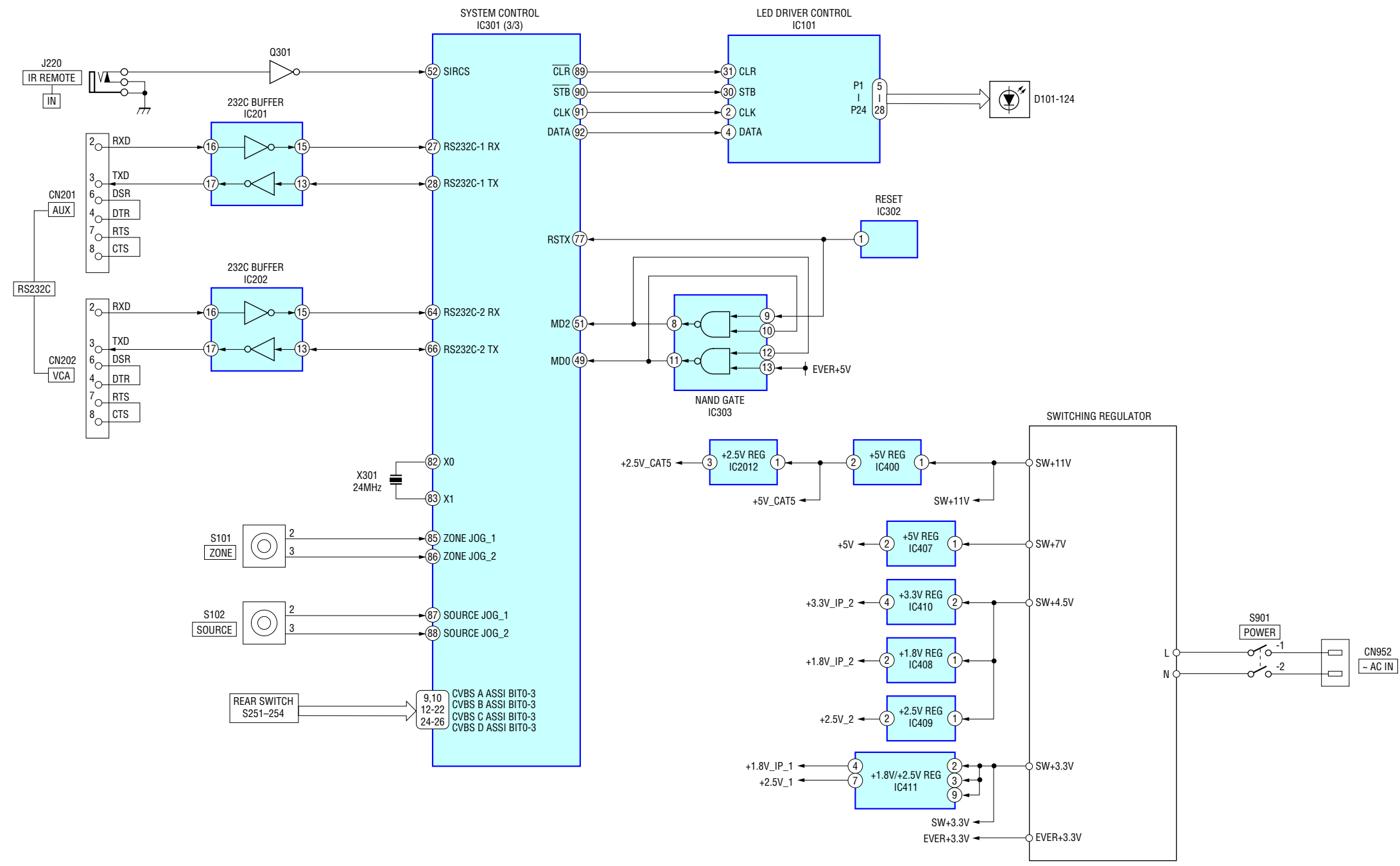
4-1. BLOCK DIAGRAM — VIDEO SWITCH SECTION —



4-2. BLOCK DIAGRAM — VIDEO PROCESS SECTION —



4-3. BLOCK DIAGRAM — POWER/LED SECTION —



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

for schematic diagram:

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

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

- ——— : B+ Line.
- - - - - : B- Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : ZONE 1
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.

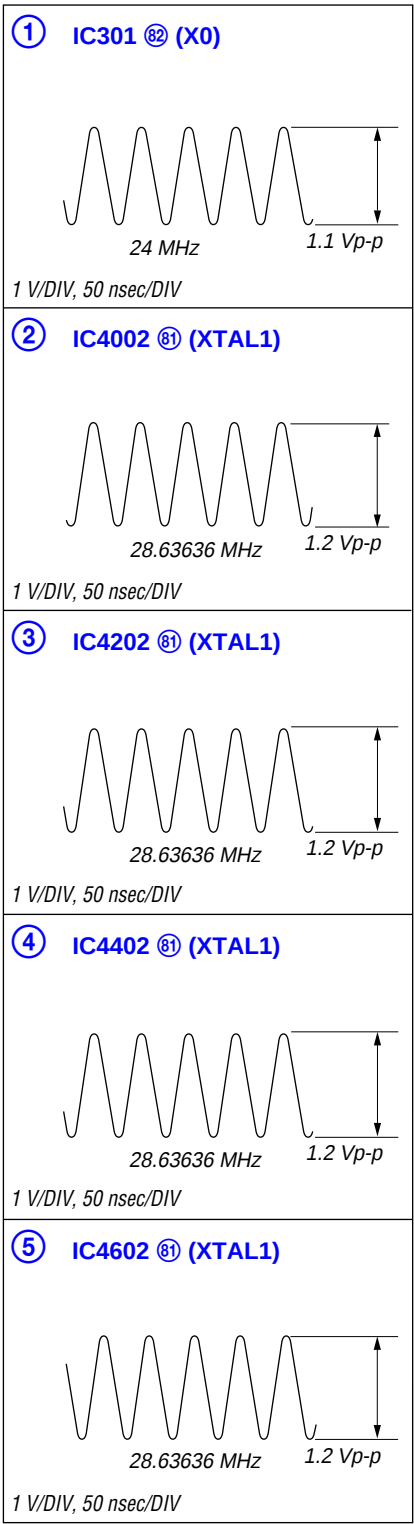
for printed wiring boards:

- $\circ$ —— : parts extracted from the component side.
- $\triangle$: internal component.
- : Pattern from the side which enables seeing.

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

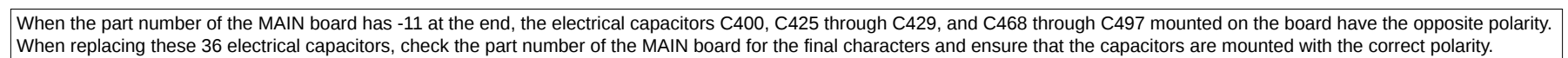
• Waveforms

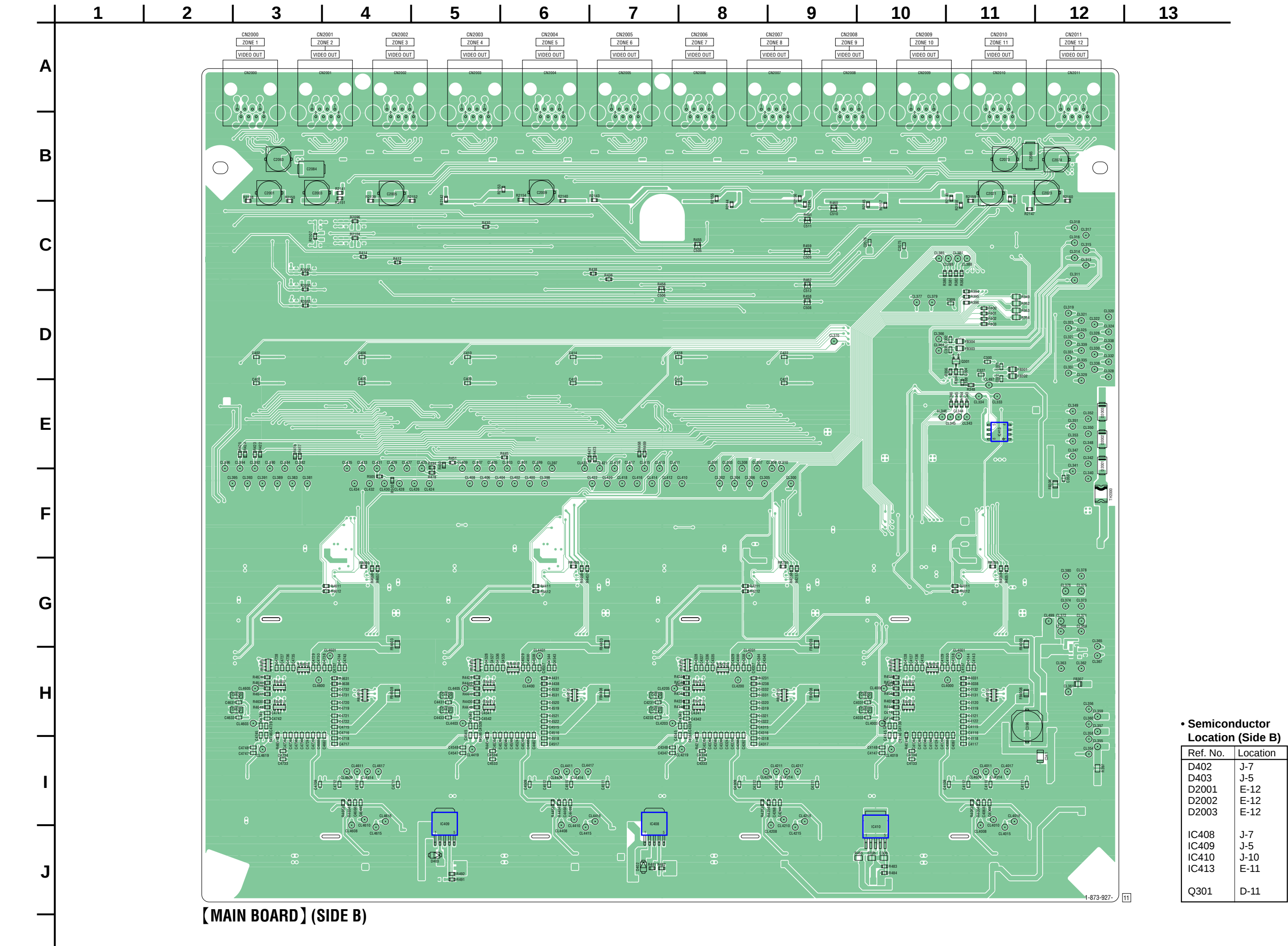
— MAIN Board —



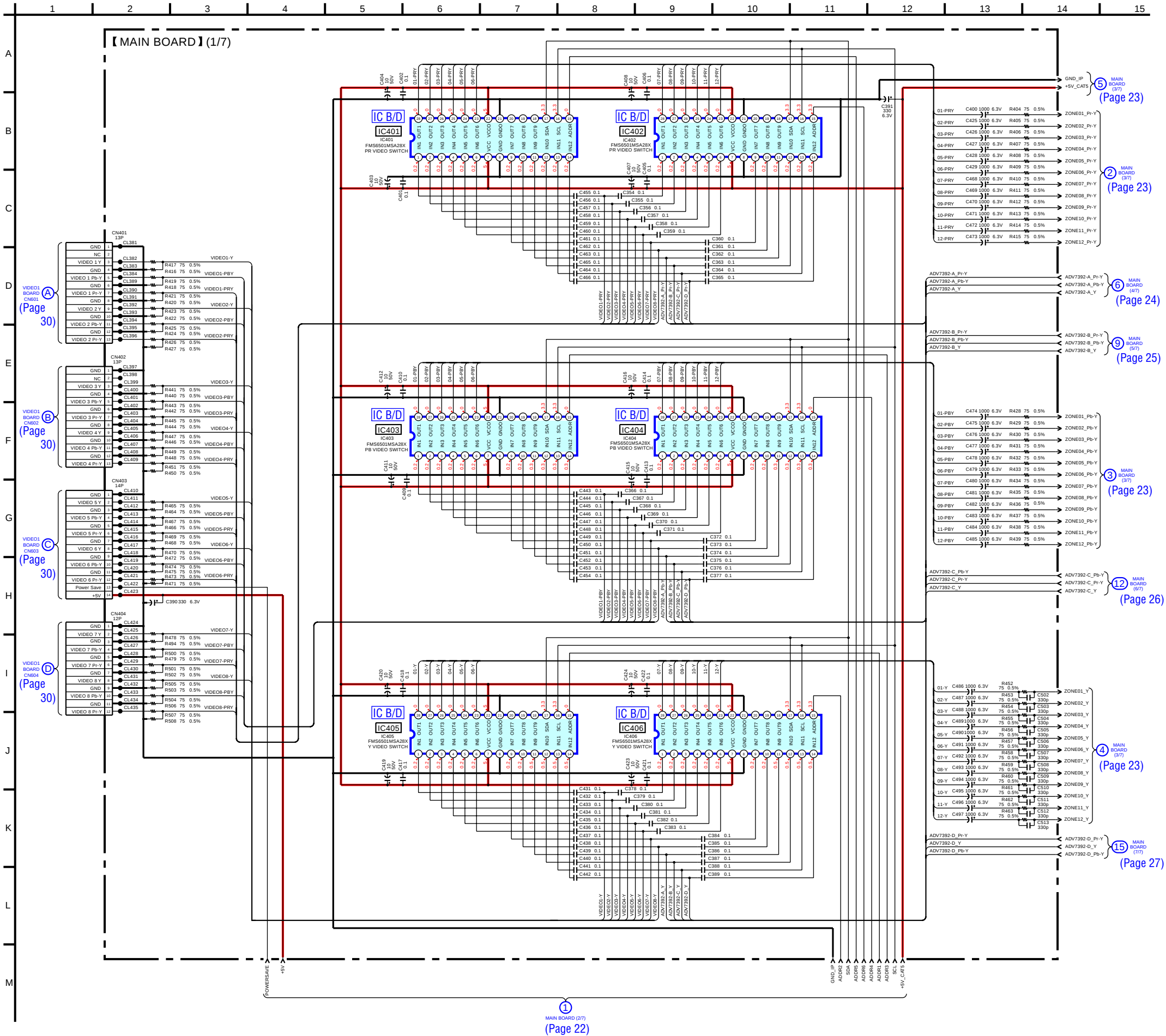
• Semiconductor Location (Side A)

Ref. No.	Location	Ref. No.	Location
D400	E-11	IC2005	B-7
D404	C-11	IC2006	B-8
D405	C-11	IC2007	B-9
D2000	C-10	IC2008	B-9
		IC2009	B-10
IC301	D-11	IC2010	B-11
IC302	D-10	IC2011	B-12
IC303	C-11	IC2012	C-10
IC401	D-3	IC4001	G-11
IC402	D-4	IC4002	H-10
IC403	D-5	IC4003	I-11
IC404	D-6	IC4191	G-10
IC405	D-8	IC4201	G-9
IC406	D-9	IC4202	H-8
IC407	E-11	IC4203	I-9
IC411	I-12	IC4401	G-6
IC2000	B-3	IC4402	H-6
IC2001	B-3	IC4403	I-6
IC2002	B-4	IC4601	G-4
IC2003	B-5	IC4602	H-3
IC2004	B-6	IC4603	I-4





4-6. SCHEMATIC DIAGRAM — MAIN SECTION (1/7) — • Refer to page 38 for IC Block Diagrams.



MAIN BOARD (1/7) (Page 21)

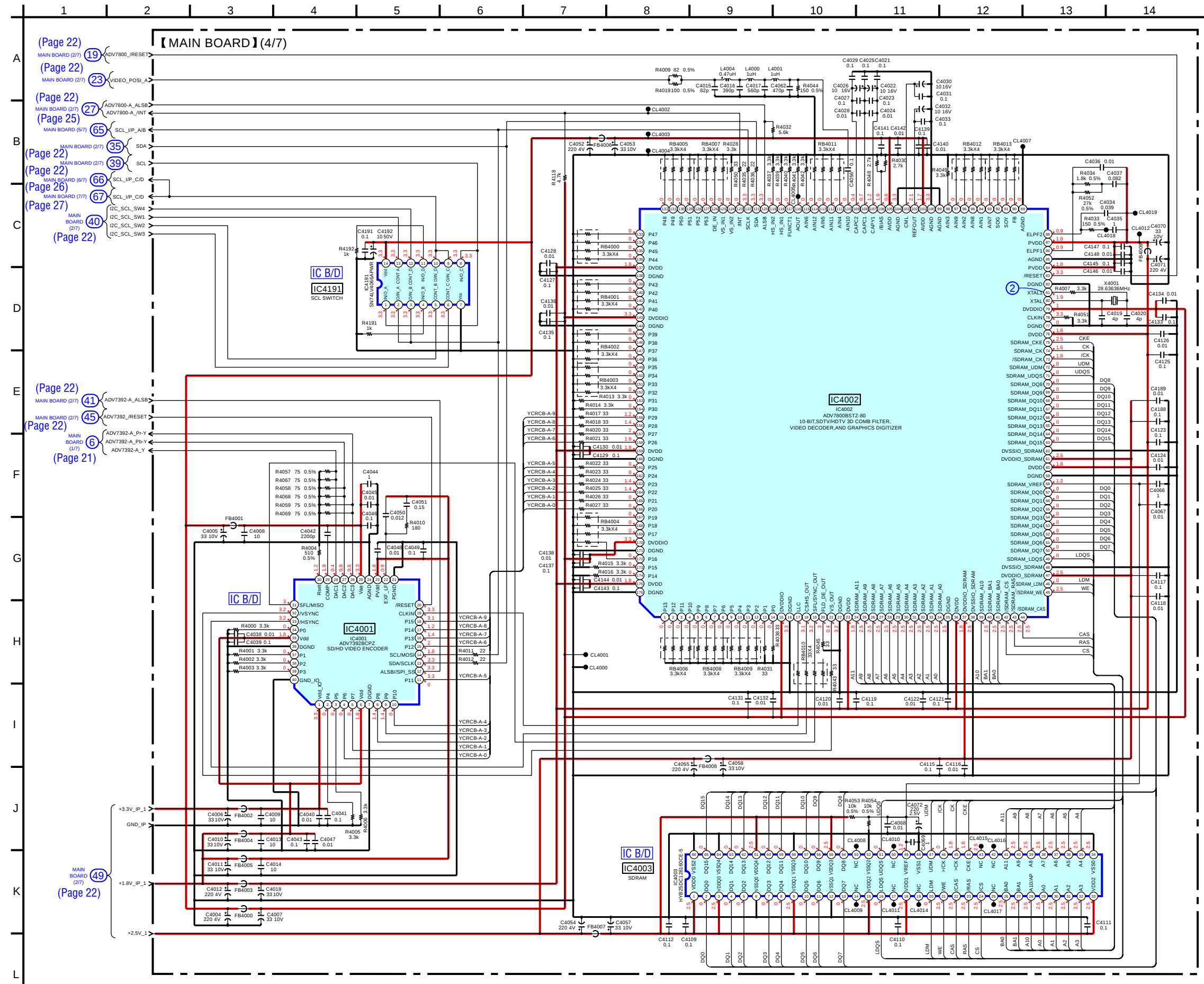
COMPONENTS AND CONNECTORS:

- IC301:** MB90F488BPF-G-SPE1-12ESV050 SYSTEM CONTROL
- IC302:** RESET
- IC303:** NAND GATE
- IC407:** +5V REG
- IC408:** +1.8V REG
- IC409:** +2.5V REG
- IC410:** +3.3V REG
- IC411:** +1.8V/+2.5V REG
- IC413:** EEPROM
- IC414:** BR24L16F-WE2
- IC415:** I2C SCL SW4
- IC416:** I2C SCL SW3
- IC417:** I2C SCL SW2
- IC418:** I2C SCL SW1
- IC419:** I2C SCL SW4
- IC420:** I2C SCL SW3
- IC421:** I2C SCL SW2
- IC422:** I2C SCL SW1
- IC423:** I2C SCL SW4
- IC424:** I2C SCL SW3
- IC425:** I2C SCL SW2
- IC426:** I2C SCL SW1
- IC427:** I2C SCL SW4
- IC428:** I2C SCL SW3
- IC429:** I2C SCL SW2
- IC430:** I2C SCL SW1
- IC431:** I2C SCL SW4
- IC432:** I2C SCL SW3
- IC433:** I2C SCL SW2
- IC434:** I2C SCL SW1
- IC435:** I2C SCL SW4
- IC436:** I2C SCL SW3
- IC437:** I2C SCL SW2
- IC438:** I2C SCL SW1
- IC439:** I2C SCL SW4
- IC440:** I2C SCL SW3
- IC441:** I2C SCL SW2
- IC442:** I2C SCL SW1
- IC443:** I2C SCL SW4
- IC444:** I2C SCL SW3
- IC445:** I2C SCL SW2
- IC446:** I2C SCL SW1
- IC447:** I2C SCL SW4
- IC448:** I2C SCL SW3
- IC449:** I2C SCL SW2
- IC450:** I2C SCL SW1
- IC451:** I2C SCL SW4
- IC452:** I2C SCL SW3
- IC453:** I2C SCL SW2
- IC454:** I2C SCL SW1
- IC455:** I2C SCL SW4
- IC456:** I2C SCL SW3
- IC457:** I2C SCL SW2
- IC458:** I2C SCL SW1
- IC459:** I2C SCL SW4
- IC460:** I2C SCL SW3
- IC461:** I2C SCL SW2
- IC462:** I2C SCL SW1
- IC463:** I2C SCL SW4
- IC464:** I2C SCL SW3
- IC465:** I2C SCL SW2
- IC466:** I2C SCL SW1
- IC467:** I2C SCL SW4
- IC468:** I2C SCL SW3
- IC469:** I2C SCL SW2
- IC470:** I2C SCL SW1
- IC471:** I2C SCL SW4
- IC472:** I2C SCL SW3
- IC473:** I2C SCL SW2
- IC474:** I2C SCL SW1
- IC475:** I2C SCL SW4
- IC476:** I2C SCL SW3
- IC477:** I2C SCL SW2
- IC478:** I2C SCL SW1
- IC479:** I2C SCL SW4
- IC480:** I2C SCL SW3
- IC481:** I2C SCL SW2
- IC482:** I2C SCL SW1
- IC483:** I2C SCL SW4
- IC484:** I2C SCL SW3
- IC485:** I2C SCL SW2
- IC486:** I2C SCL SW1
- IC487:** I2C SCL SW4
- IC488:** I2C SCL SW3
- IC489:** I2C SCL SW2
- IC490:** I2C SCL SW1
- IC491:** I2C SCL SW4
- IC492:** I2C SCL SW3
- IC493:** I2C SCL SW2
- IC494:** I2C SCL SW1
- IC495:** I2C SCL SW4
- IC496:** I2C SCL SW3
- IC497:** I2C SCL SW2
- IC498:** I2C SCL SW1
- IC499:** I2C SCL SW4
- IC500:** I2C SCL SW3
- IC501:** I2C SCL SW2
- IC502:** I2C SCL SW1
- IC503:** I2C SCL SW4
- IC504:** I2C SCL SW3
- IC505:** I2C SCL SW2
- IC506:** I2C SCL SW1
- IC507:** I2C SCL SW4
- IC508:** I2C SCL SW3
- IC509:** I2C SCL SW2
- IC510:** I2C SCL SW1
- IC511:** I2C SCL SW4
- IC512:** I2C SCL SW3
- IC513:** I2C SCL SW2
- IC514:** I2C SCL SW1
- IC515:** I2C SCL SW4
- IC516:** I2C SCL SW3
- IC517:** I2C SCL SW2
- IC518:** I2C SCL SW1
- IC519:** I2C SCL SW4
- IC520:** I2C SCL SW3
- IC521:** I2C SCL SW2
- IC522:** I2C SCL SW1
- IC523:** I2C SCL SW4
- IC524:** I2C SCL SW3
- IC525:** I2C SCL SW2
- IC526:** I2C SCL SW1
- IC527:** I2C SCL SW4
- IC528:** I2C SCL SW3
- IC529:** I2C SCL SW2
- IC530:** I2C SCL SW1
- IC531:** I2C SCL SW4
- IC532:** I2C SCL SW3
- IC533:** I2C SCL SW2
- IC534:** I2C SCL SW1
- IC535:** I2C SCL SW4
- IC536:** I2C SCL SW3
- IC537:** I2C SCL SW2
- IC538:** I2C SCL SW1
- IC539:** I2C SCL SW4
- IC540:** I2C SCL SW3
- IC541:** I2C SCL SW2
- IC542:** I2C SCL SW1
- IC543:** I2C SCL SW4
- IC544:** I2C SCL SW3
- IC545:** I2C SCL SW2
- IC546:** I2C SCL SW1
- IC547:** I2C SCL SW4
- IC548:** I2C SCL SW3
- IC549:** I2C SCL SW2
- IC550:** I2C SCL SW1
- IC551:** I2C SCL SW4
- IC552:** I2C SCL SW3
- IC553:** I2C SCL SW2
- IC554:** I2C SCL SW1
- IC555:** I2C SCL SW4
- IC556:** I2C SCL SW3
- IC557:** I2C SCL SW2
- IC558:** I2C SCL SW1
- IC559:** I2C SCL SW4
- IC560:** I2C SCL SW3
- IC561:** I2C SCL SW2
- IC562:** I2C SCL SW1
- IC563:** I2C SCL SW4
- IC564:** I2C SCL SW3
- IC565:** I2C SCL SW2
- IC566:** I2C SCL SW1
- IC567:** I2C SCL SW4
- IC568:** I2C SCL SW3
- IC569:** I2C SCL SW2
- IC570:** I2C SCL SW1
- IC571:** I2C SCL SW4
- IC572:** I2C SCL SW3
- IC573:** I2C SCL SW2
- IC574:** I2C SCL SW1
- IC575:** I2C SCL SW4
- IC576:** I2C SCL SW3
- IC577:** I2C SCL SW2
- IC578:** I2C SCL SW1
- IC579:** I2C SCL SW4
- IC580:** I2C SCL SW3
- IC581:** I2C SCL SW2
- IC582:** I2C S

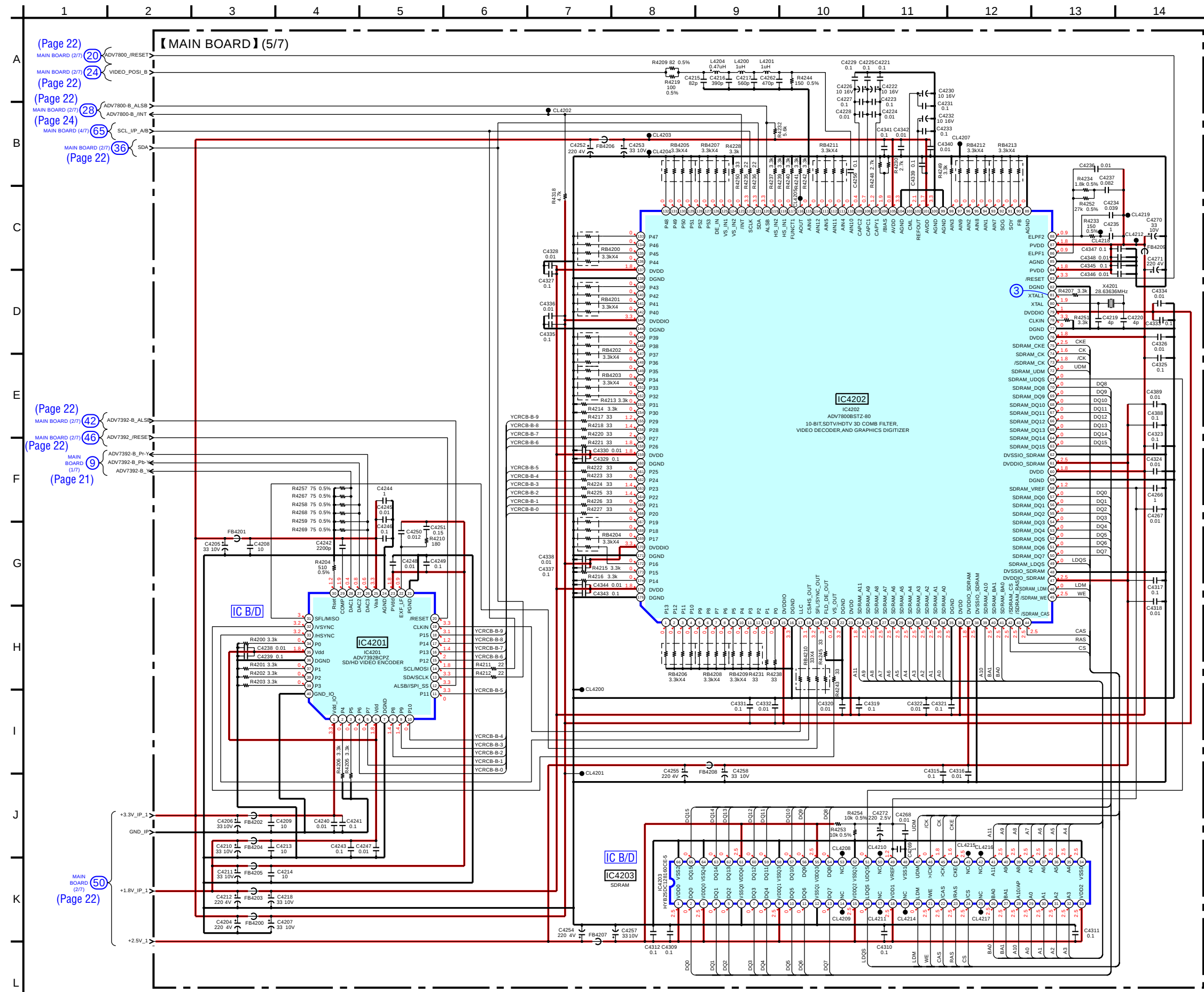
23



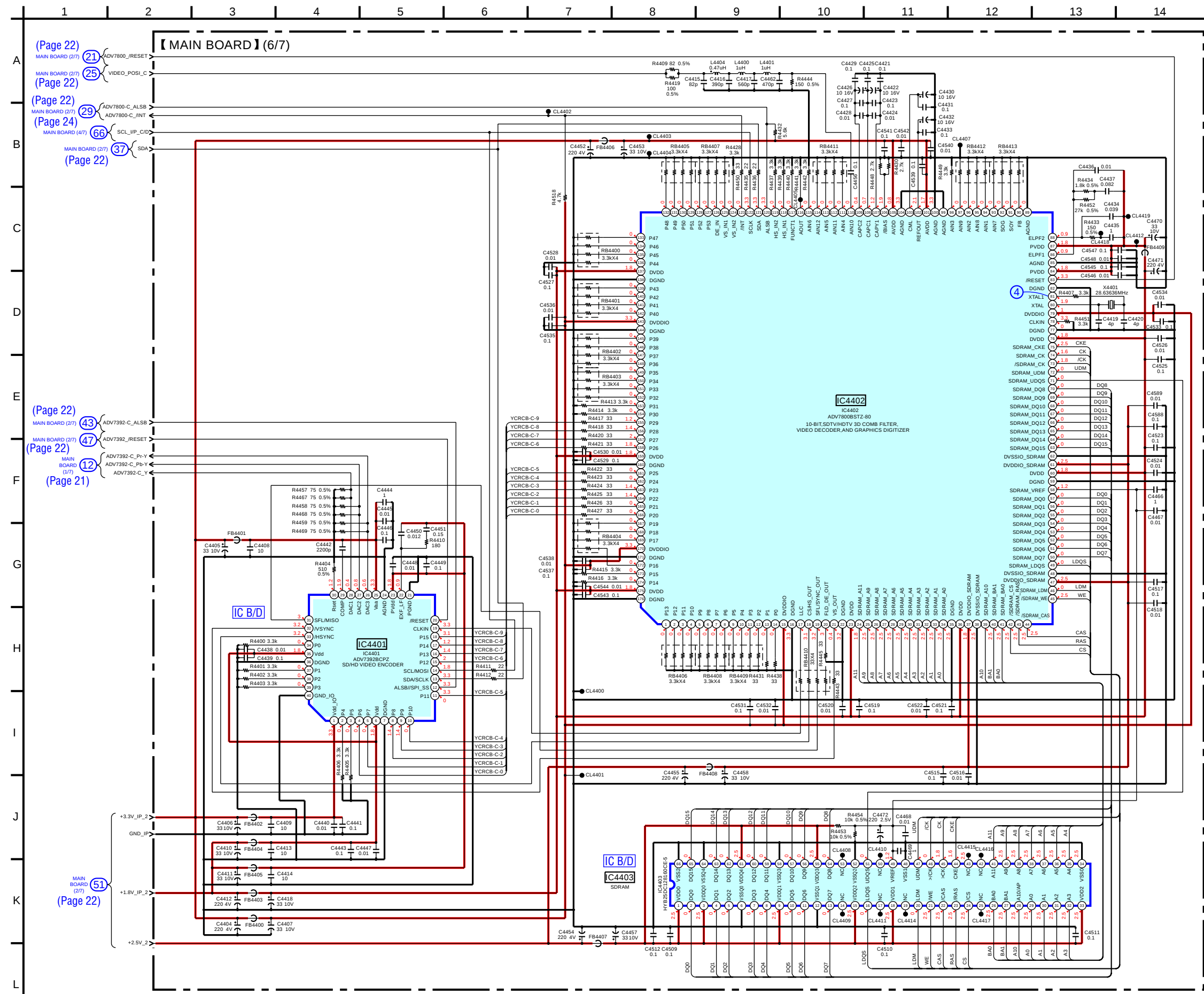
24



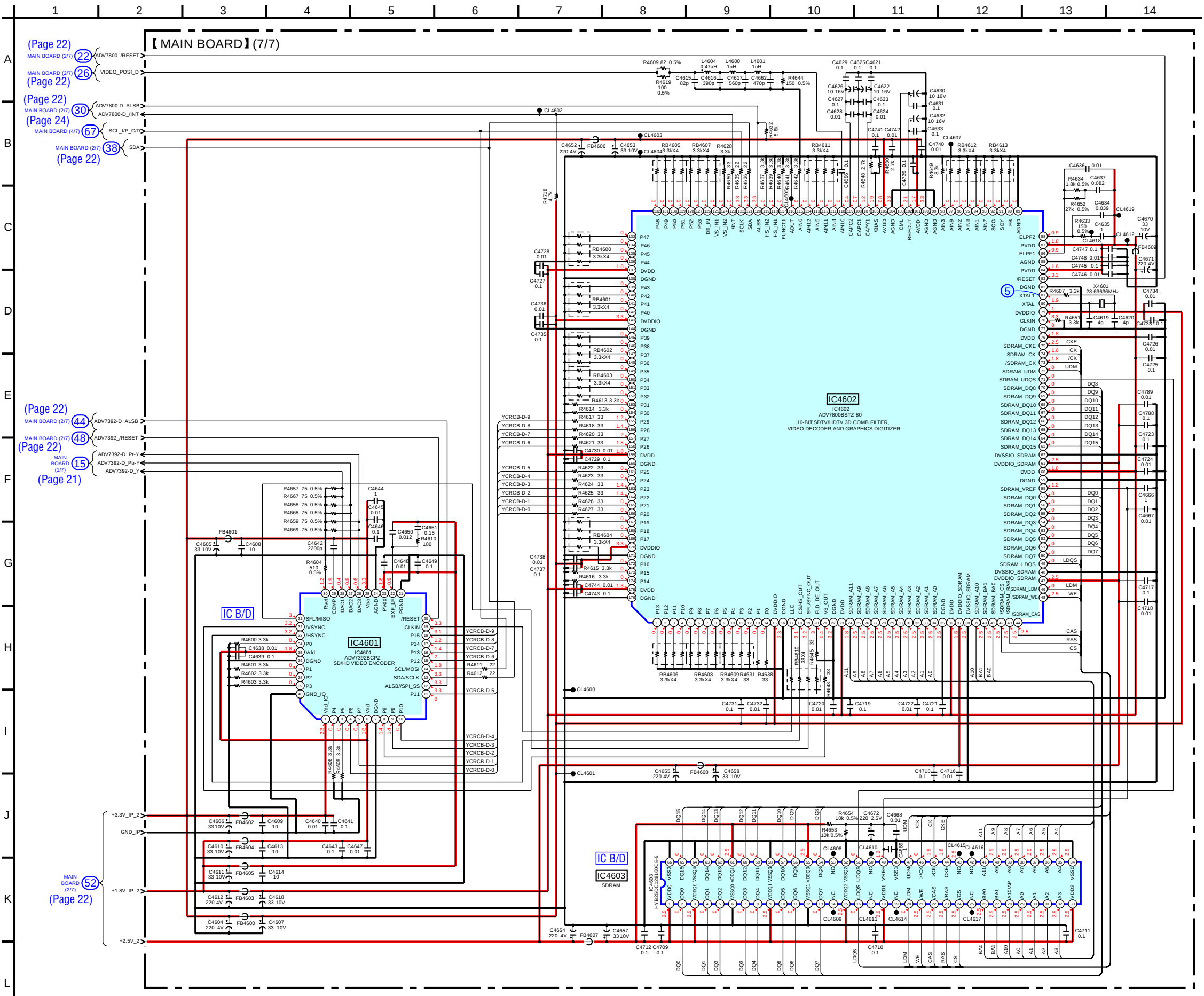
4-10. SCHEMATIC DIAGRAM — MAIN SECTION (5/7) — • Refer to page 18 for Waveforms, page 40 for IC Block Diagrams and page 46 for IC Pin Descriptions.



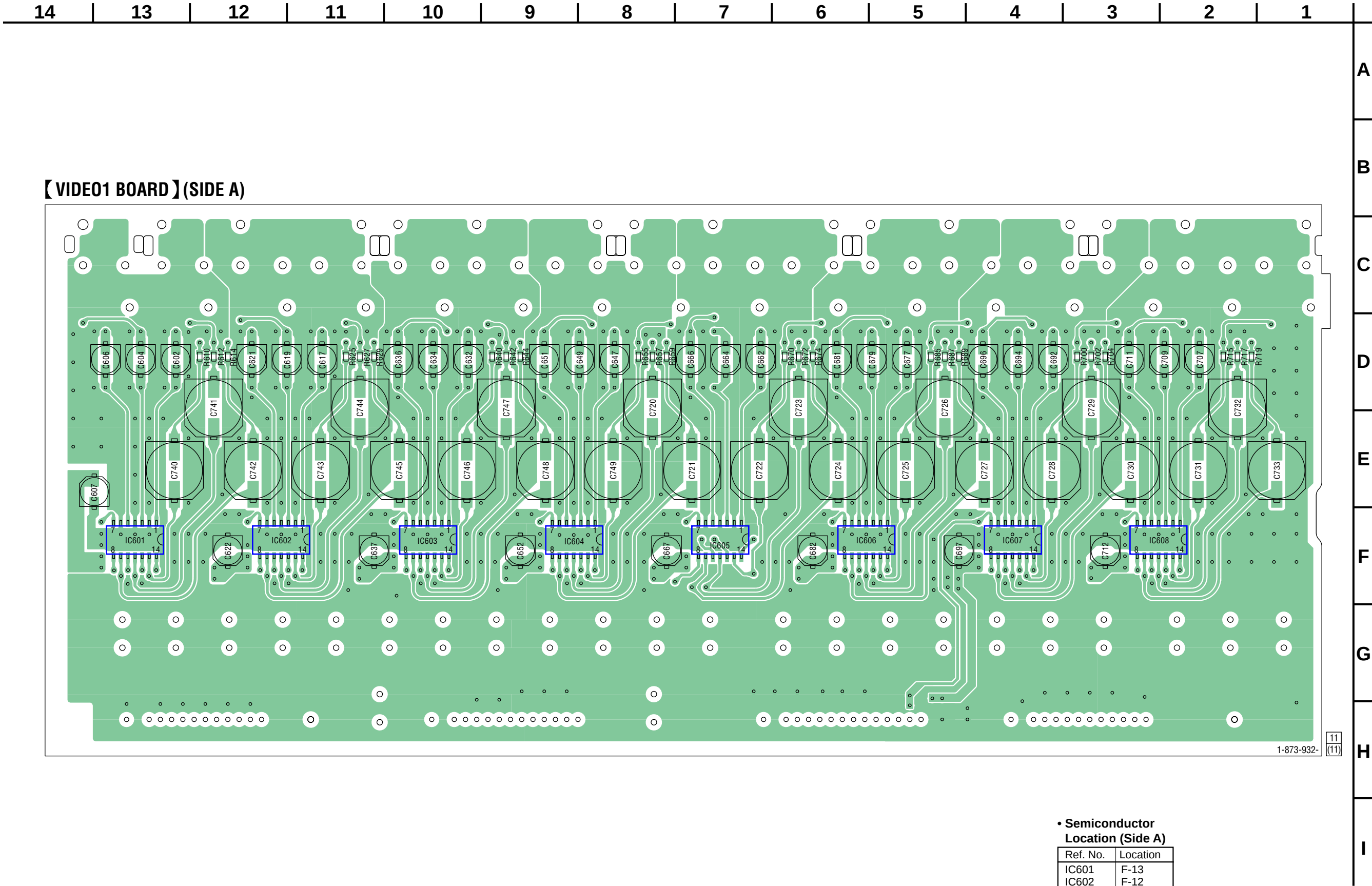
4-11. SCHEMATIC DIAGRAM — MAIN SECTION (6/7) — • Refer to page 18 for Waveforms, page 40 for IC Block Diagrams and page 46 for IC Pin Descriptions.



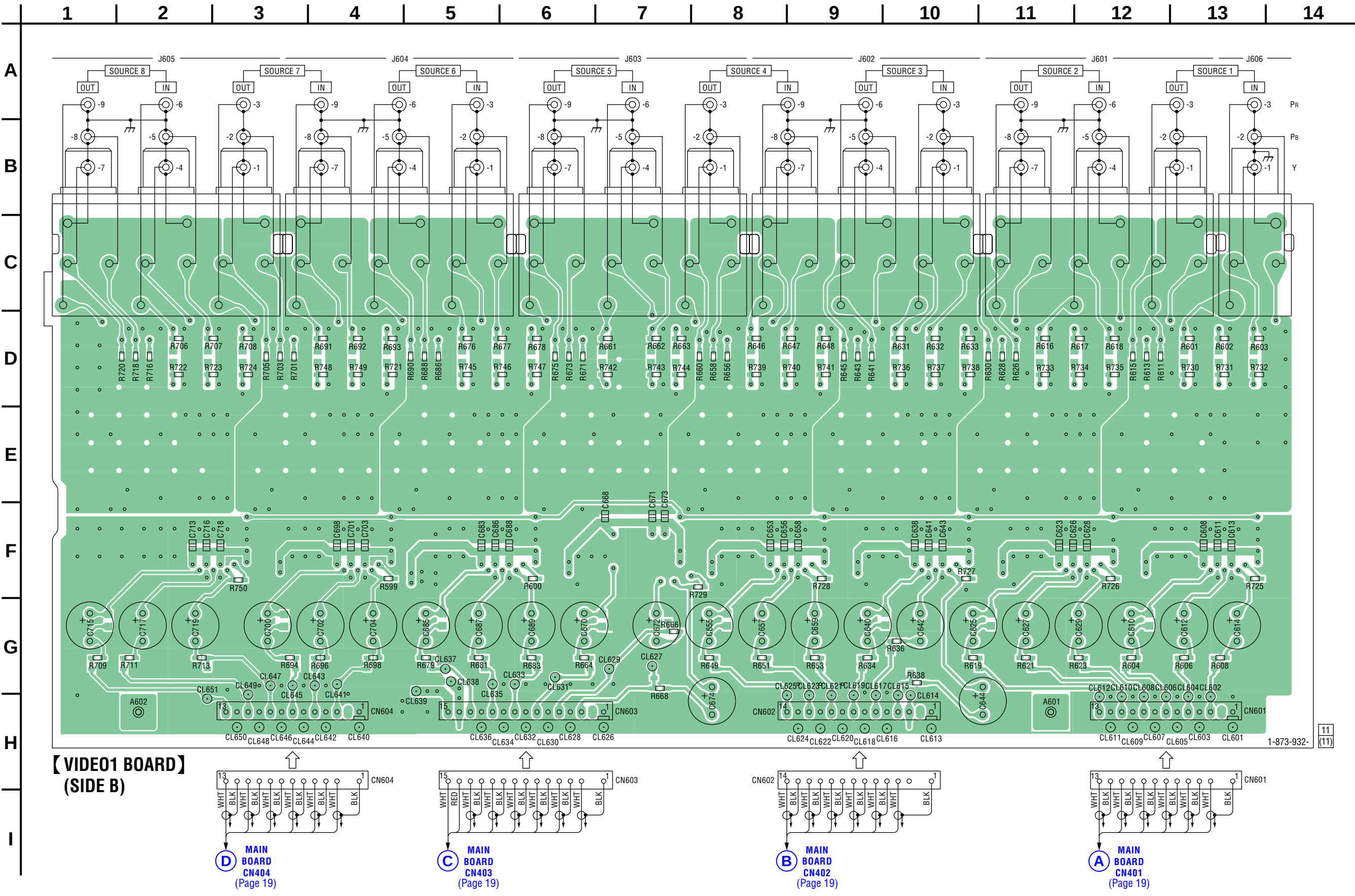
4-12. SCHEMATIC DIAGRAM — MAIN SECTION (7/7) — • Refer to page 18 for Waveforms, page 40 for IC Block Diagrams and page 46 for IC Pin Descriptions.



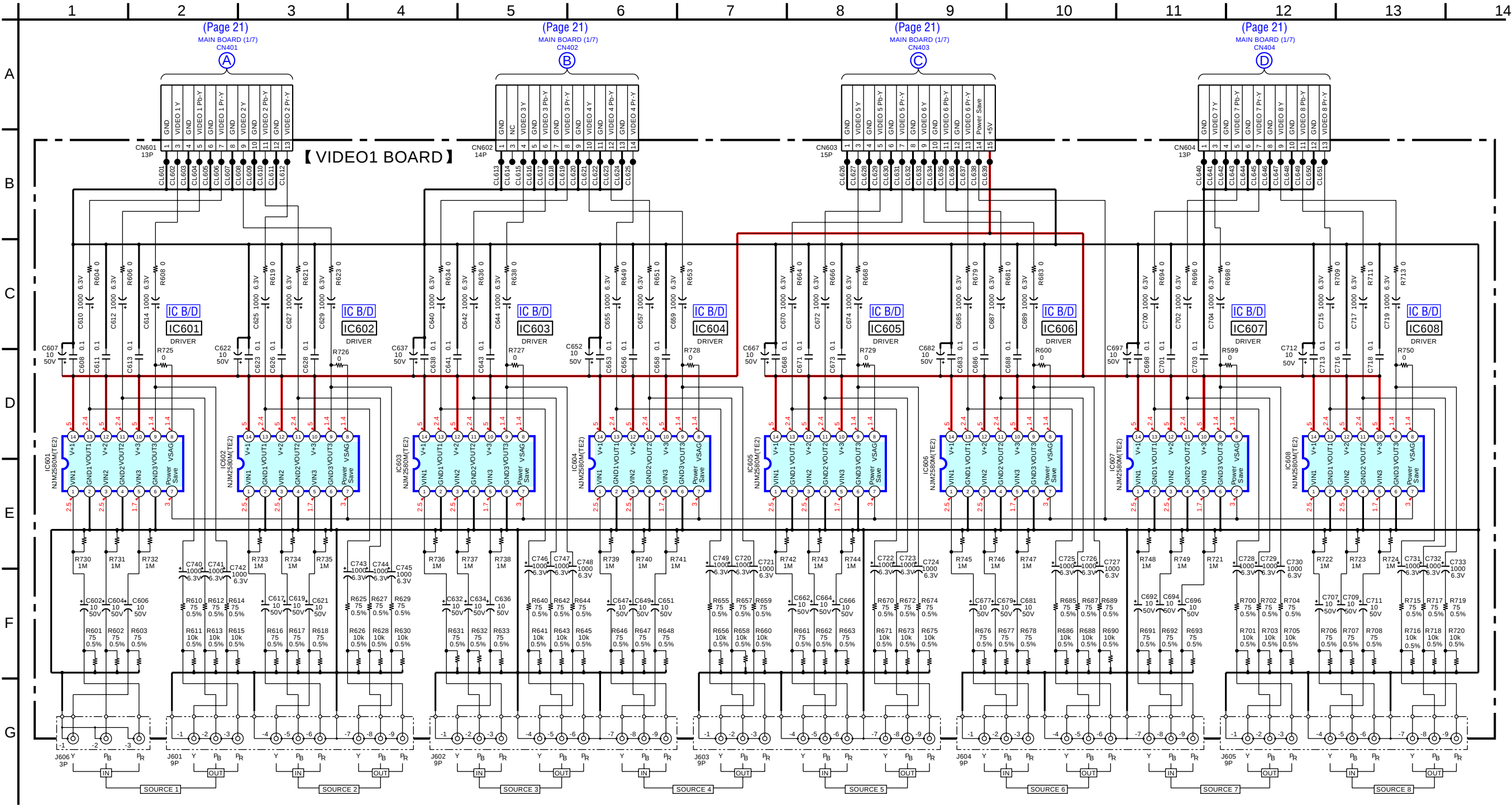
4-13. PRINTED WIRING BOARD — VIDEO1 SECTION (1/2) — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



4-14. PRINTED WIRING BOARD — VIDEO1 SECTION (2/2) — • Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

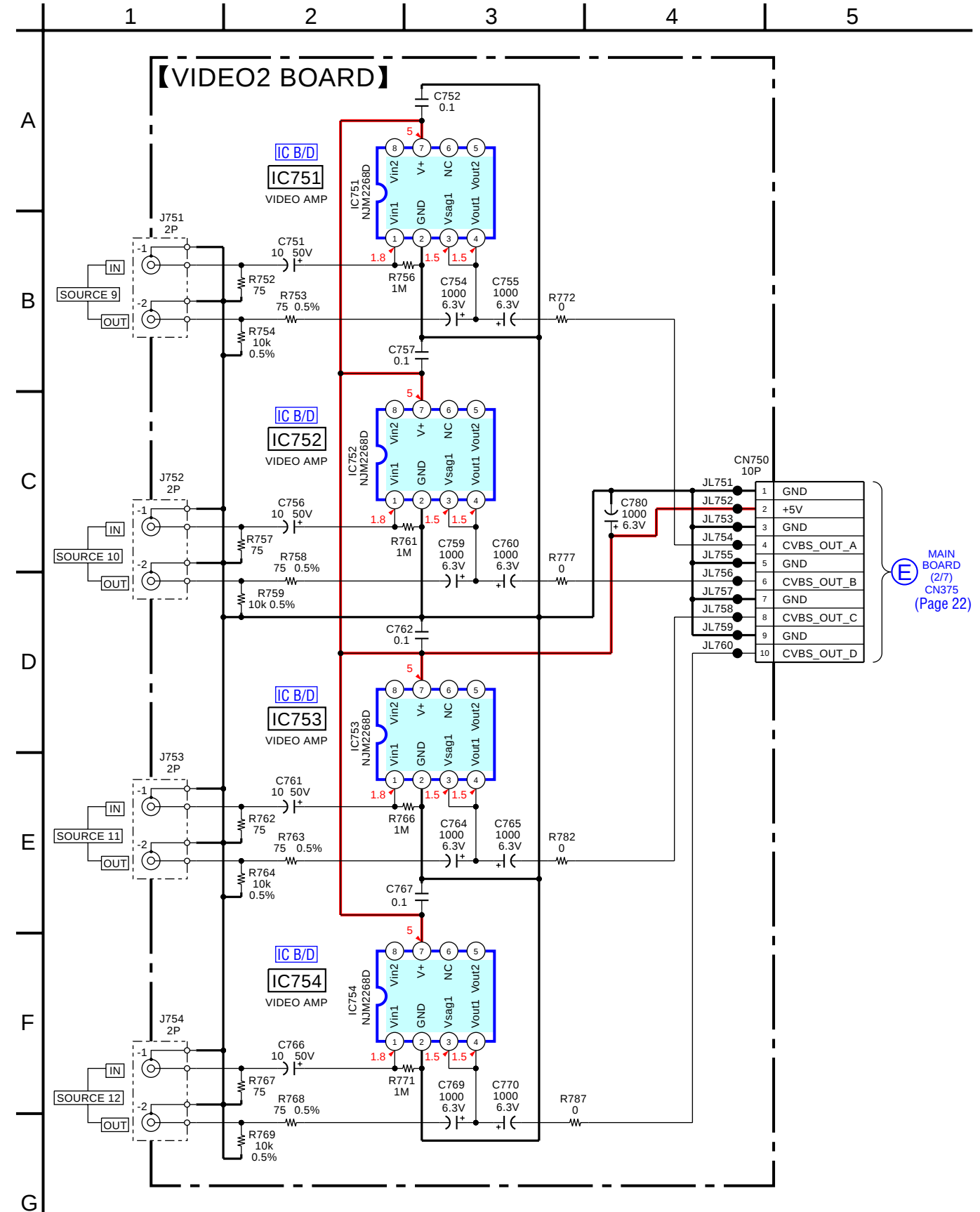
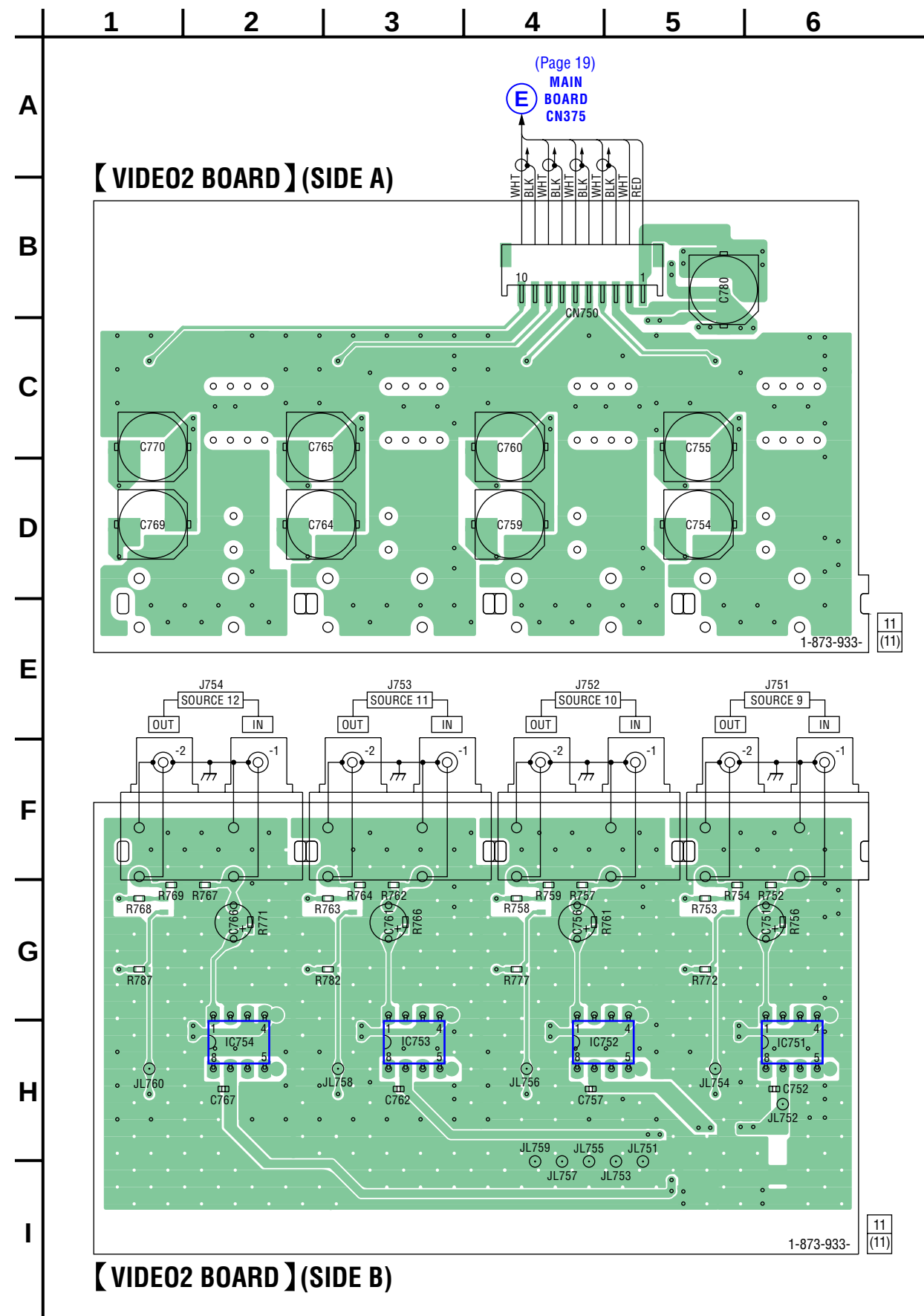


4-15. SCHEMATIC DIAGRAM — VIDEO1 SECTION — • Refer to page 42 for IC Block Diagrams.



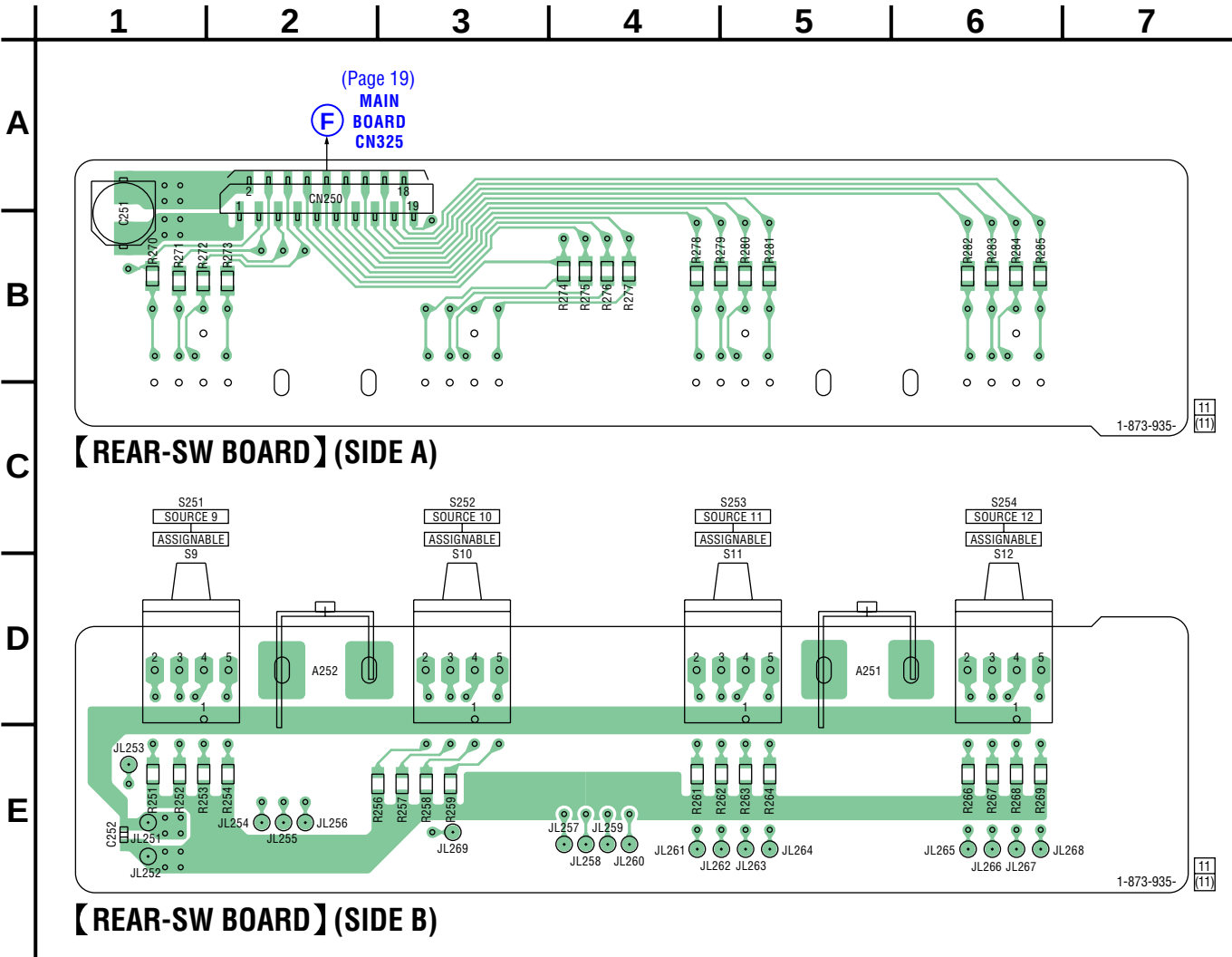
4-17. SCHEMATIC DIAGRAM — VIDEO2 SECTION —

- Refer to page 42 for IC Block Diagrams.

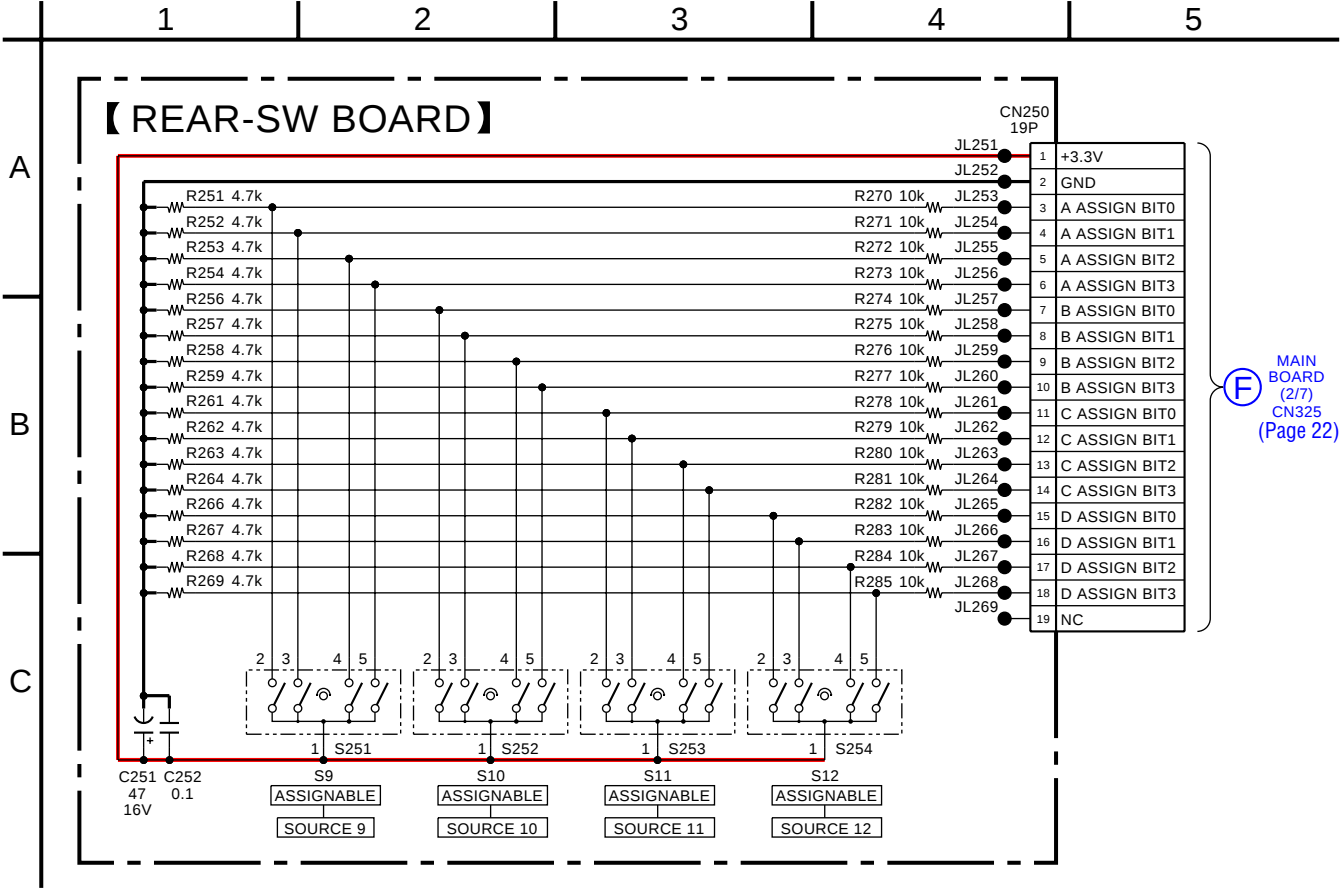


4-18. PRINTED WIRING BOARD — REAR SWITCH SECTION —

• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.

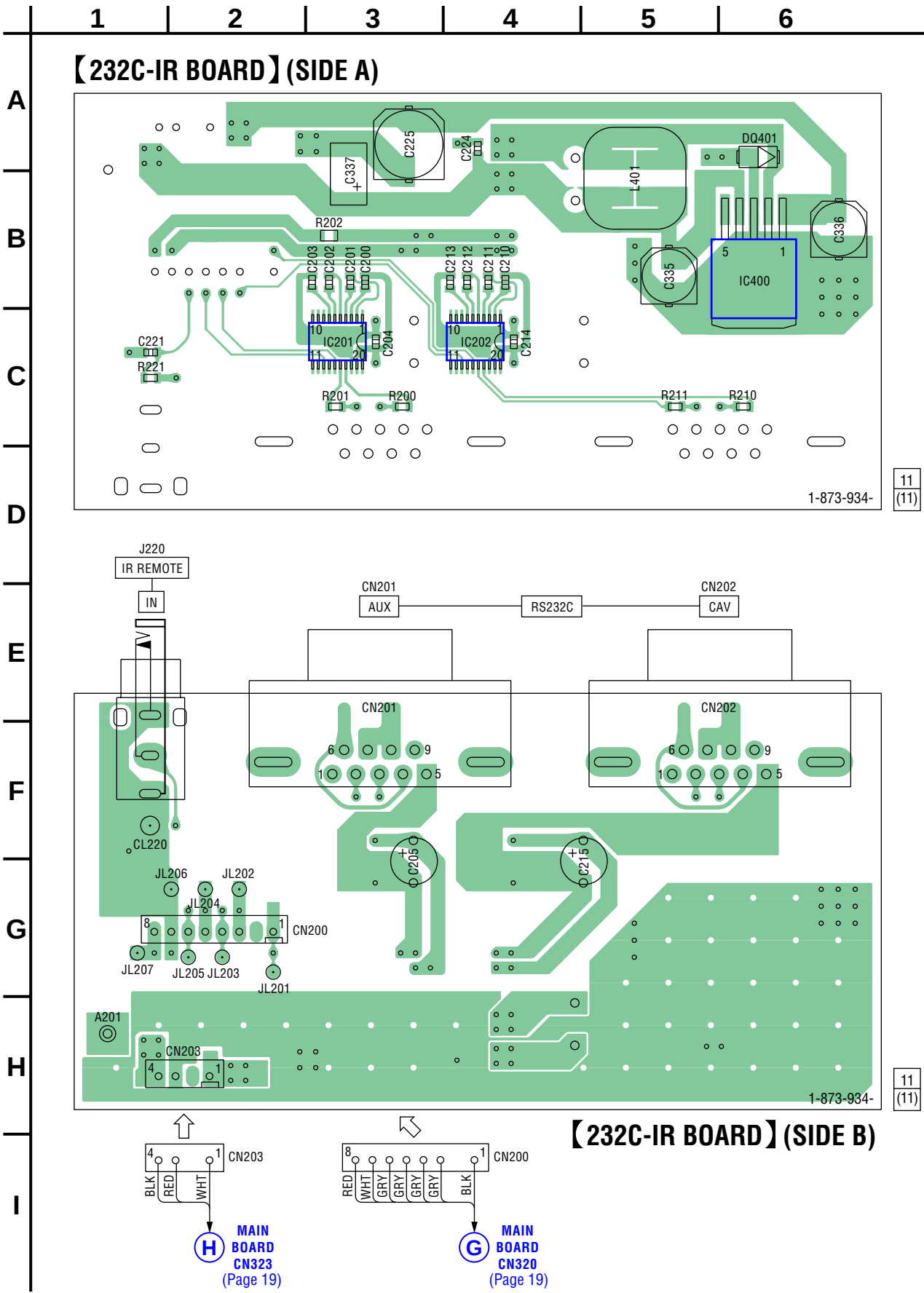


4-19. SCHEMATIC DIAGRAM — REAR SWITCH SECTION —



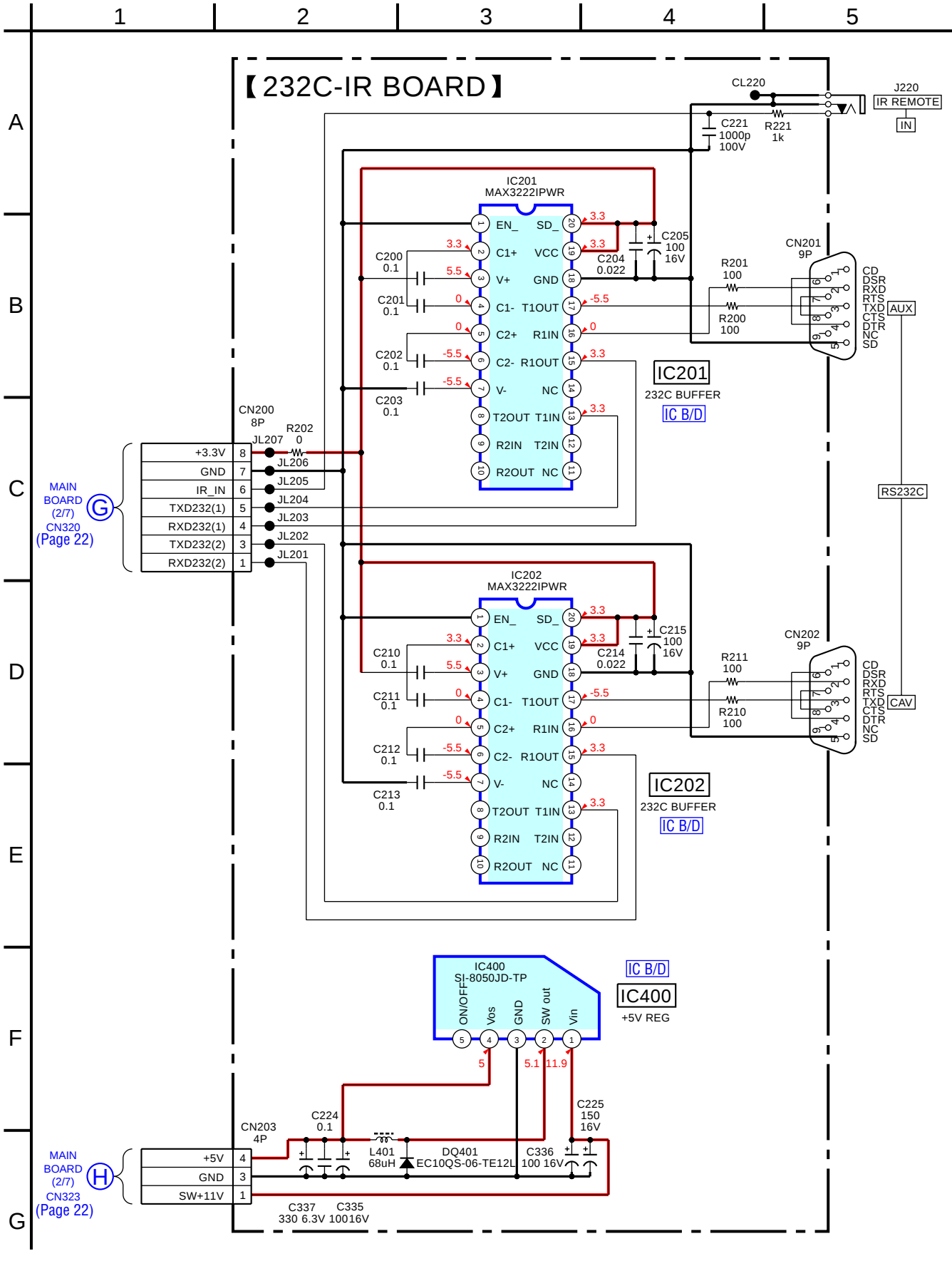
4-20. PRINTED WIRING BOARD — RS232C SECTION —

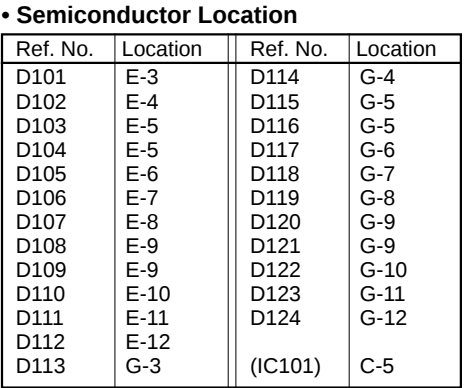
• Refer to page 14 for Circuit Boards Location.  : Uses unleaded solder.



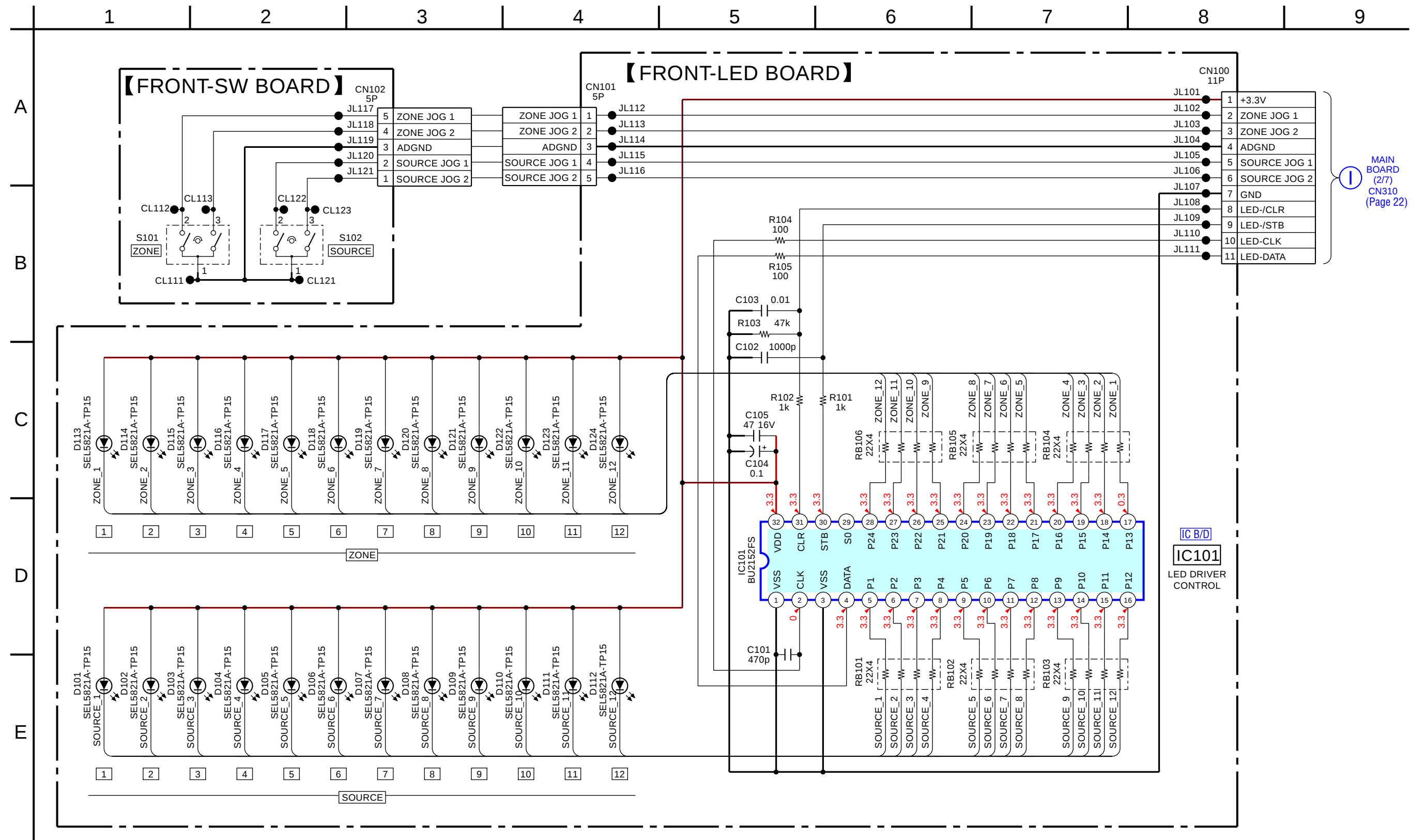
4-21. SCHEMATIC DIAGRAM — RS232C SECTION —

• Refer to page 42 for IC Block Diagrams.

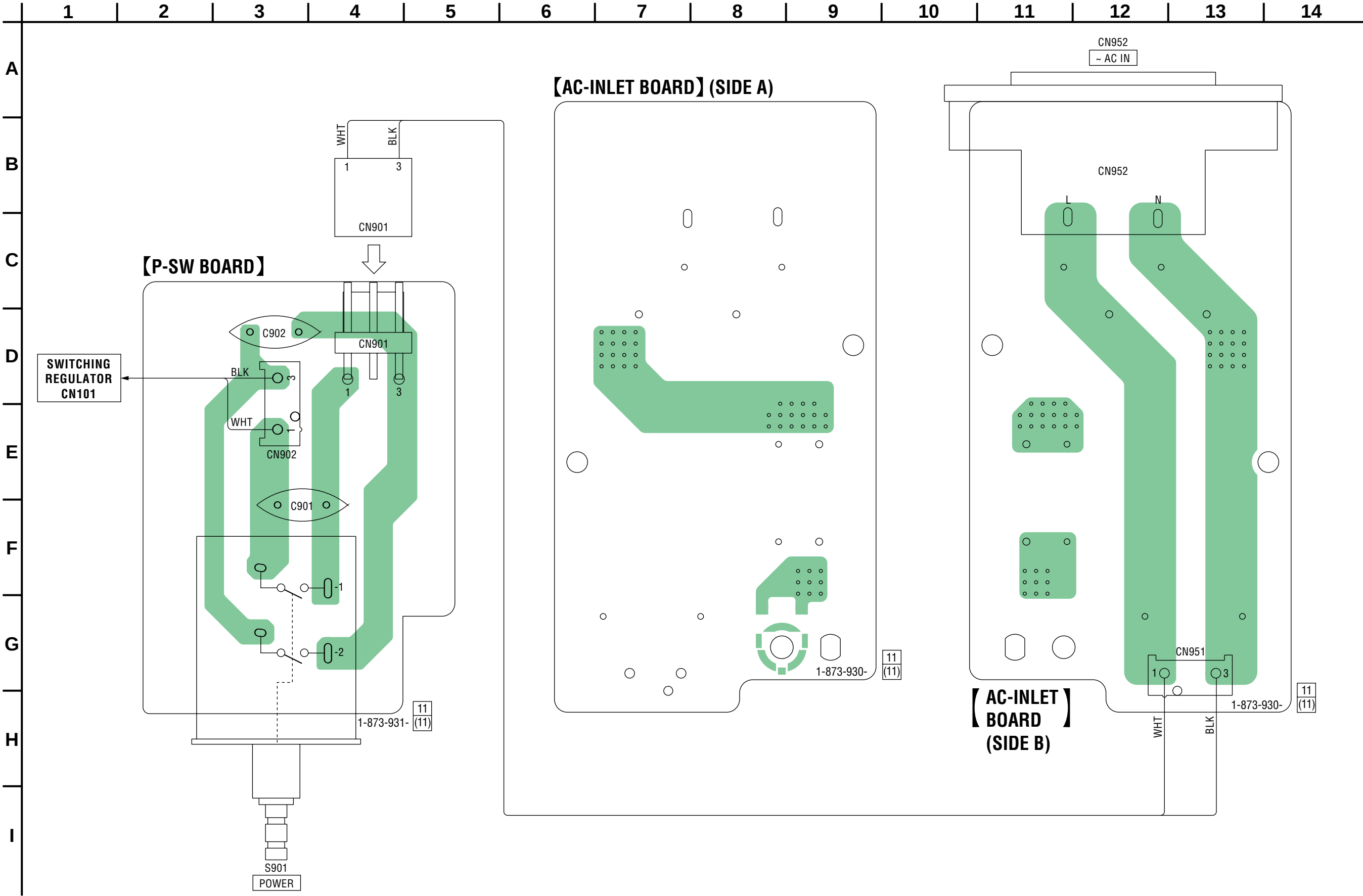




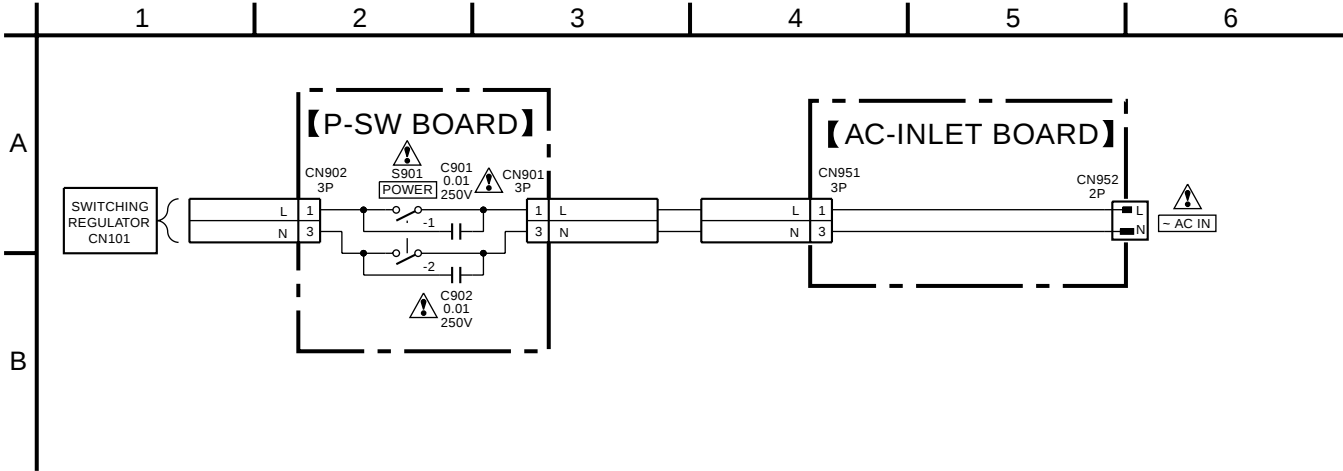
4-23. SCHEMATIC DIAGRAM — PANEL SECTION — • Refer to page 43 for IC Block Diagrams.



4-24. PRINTED WIRING BOARDS — POWER SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

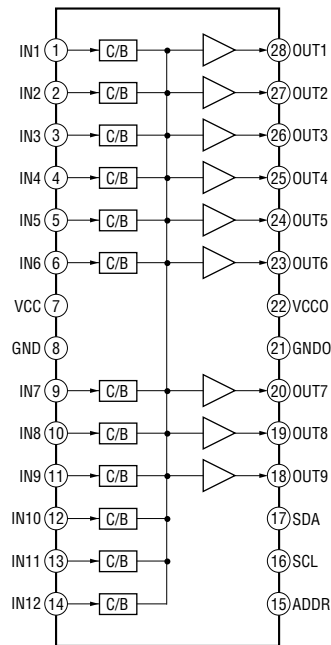


4-25. SCHEMATIC DIAGRAM — POWER SECTION —

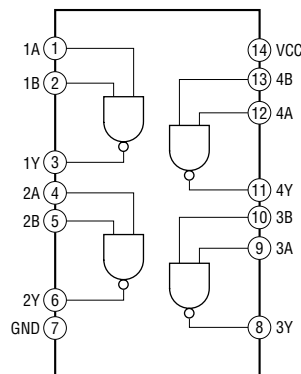


• IC Block Diagrams

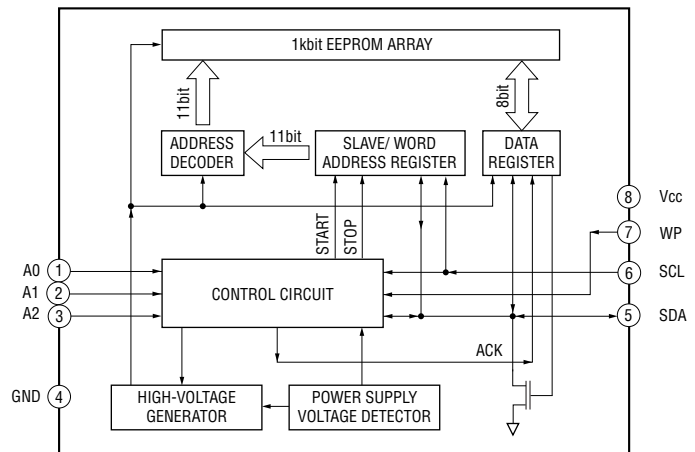
IC401 FMS6501MSA28X (MAIN BOARD (1/7))
 IC402 FMS6501MSA28X (MAIN BOARD (1/7))
 IC403 FMS6501MSA28X (MAIN BOARD (1/7))
 IC404 FMS6501MSA28X (MAIN BOARD (1/7))
 IC405 FMS6501MSA28X (MAIN BOARD (1/7))
 IC406 FMS6501MSA28X (MAIN BOARD (1/7))



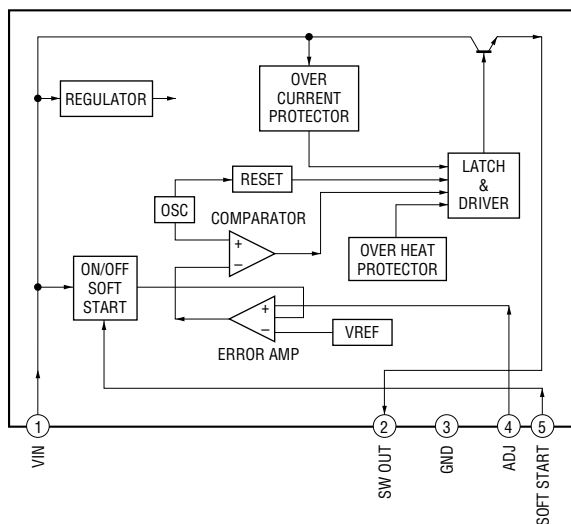
IC303 TC74VHC00FT(EL) (MAIN BOARD (2/7))



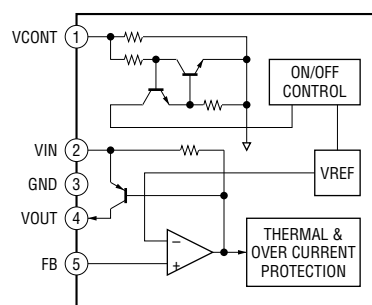
IC413 BR24L16F-WE2 (MAIN BOARD (2/7))



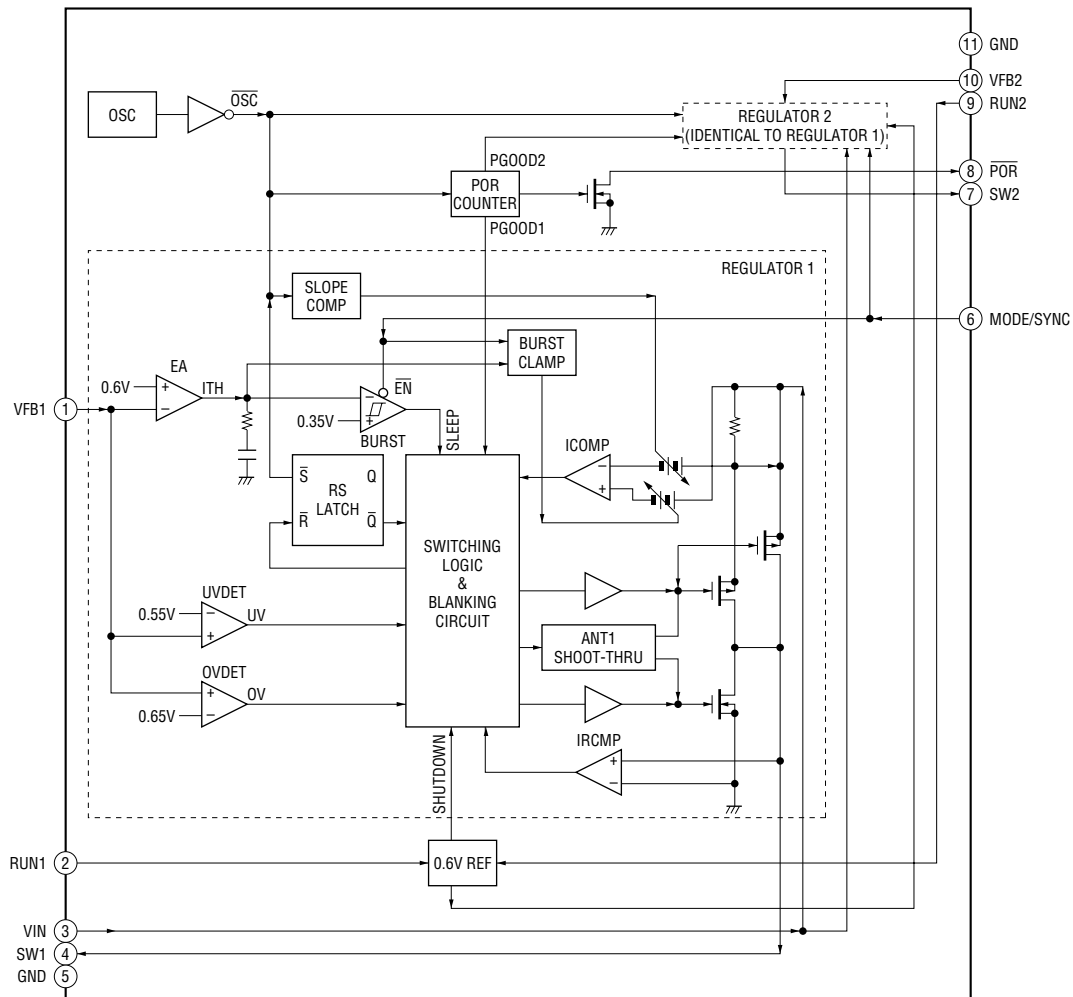
IC407 SI8008TM-TL (MAIN BOARD (2/7))
 IC408 SI8008TM-TL (MAIN BOARD (2/7))
 IC409 SI8008TM-TL (MAIN BOARD (2/7))



IC410 TK73400AU3G0L-C (MAIN BOARD (2/7))



IC411 LTC3407EMSE-2#TR (MAIN BOARD (2/7))



IC2000 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2001 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2002 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2003 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2004 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2005 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2006 EL5370IUZ-T7 (MAIN BOARD (3/7))

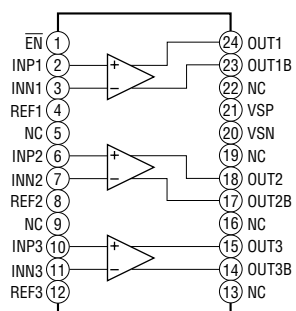
IC2007 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2008 EL5370IUZ-T7 (MAIN BOARD (3/7))

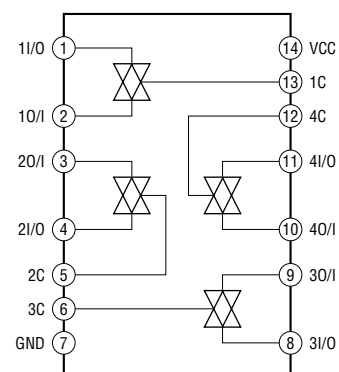
IC2009 EL5370IUZ-T7 (MAIN BOARD (3/7))

IC2010 EL5370IUZ-T7 (MAIN BOARD (3/7))

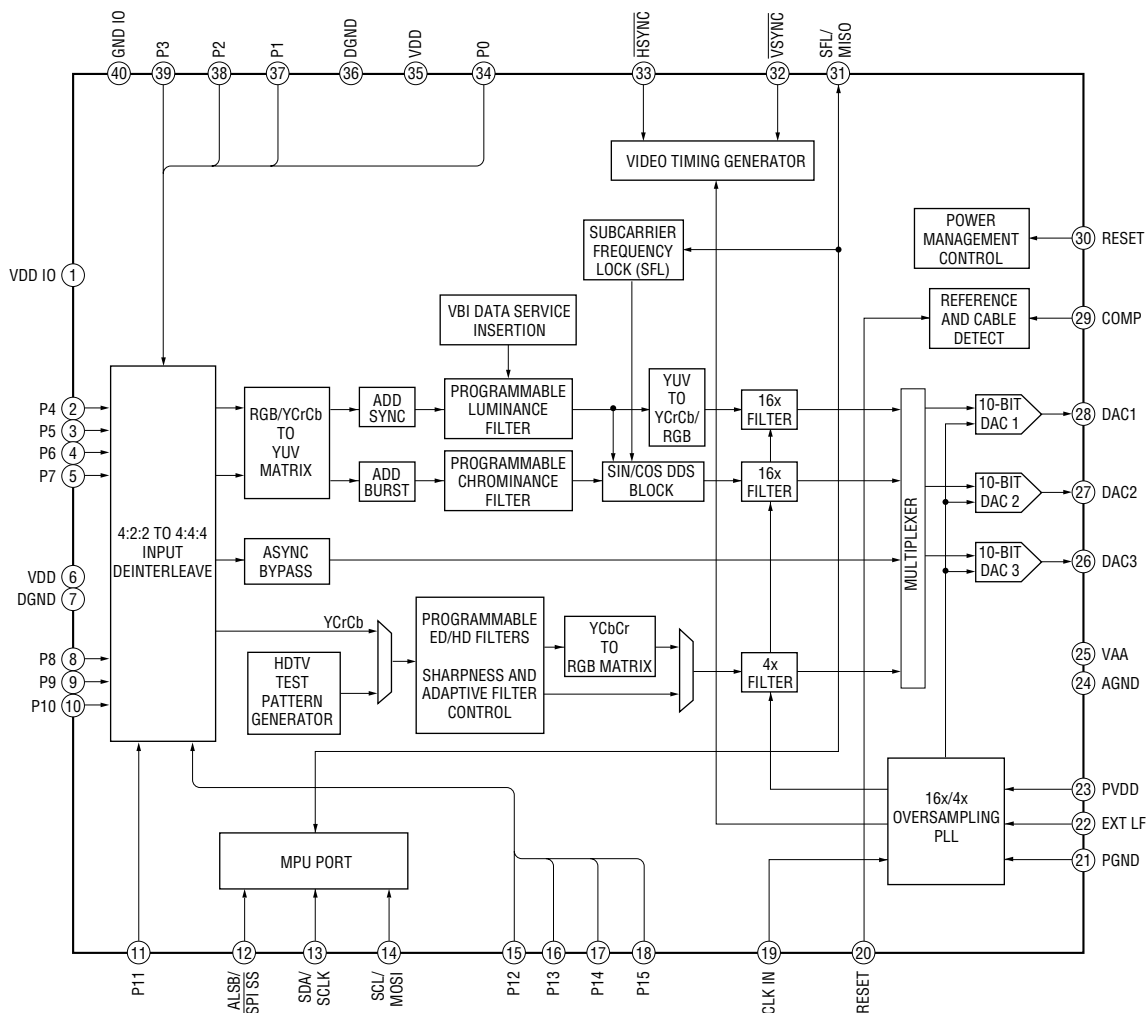
IC2011 EL5370IUZ-T7 (MAIN BOARD (3/7))



IC4191 SN74LV4066APWR (MAIN BOARD (4/7))



IC4001 ADV7392BCPZ (MAIN BOARD (4/7))
 IC4201 ADV7392BCPZ (MAIN BOARD (5/7))
 IC4401 ADV7392BCPZ (MAIN BOARD (6/7))
 IC4601 ADV7392BCPZ (MAIN BOARD (7/7))

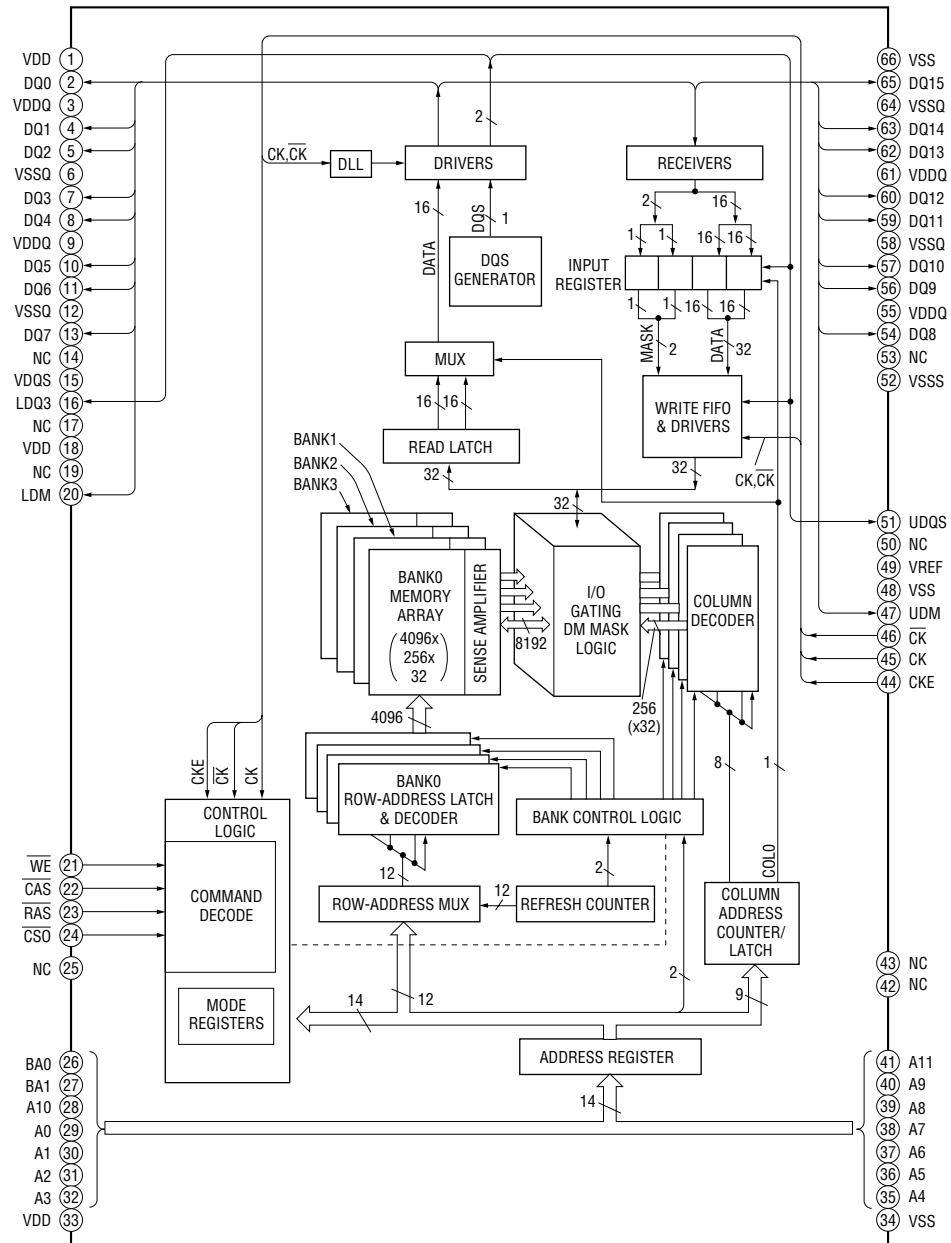


IC4003 HYB25DC128160CE-5 (MAIN BOARD (4/7))

IC4203 HYB25DC128160CE-5 (MAIN BOARD (5/7))

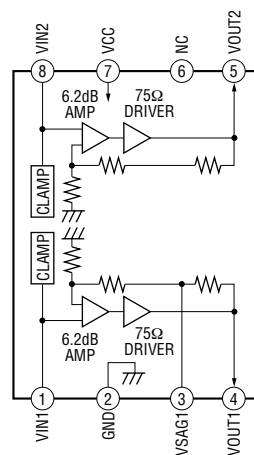
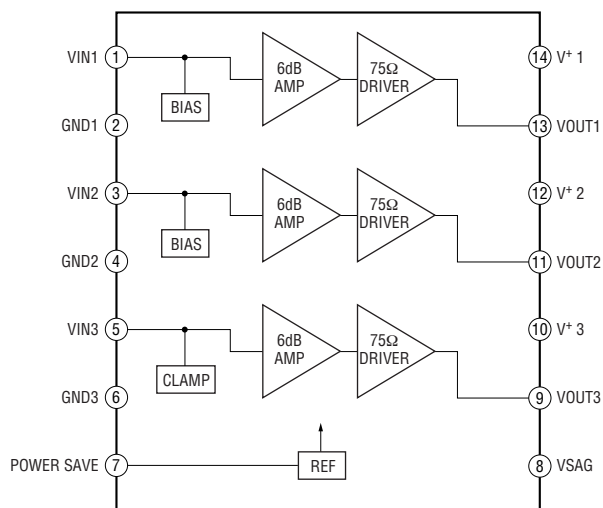
IC4403 HYB25DC128160CE-5 (MAIN BOARD (6/7))

IC4603 HYB25DC128160CE-5 (MAIN BOARD (7/7))

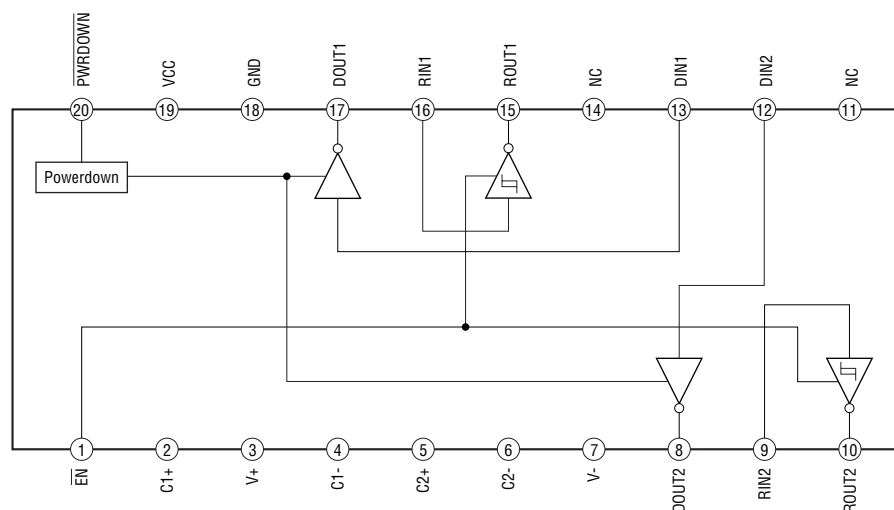


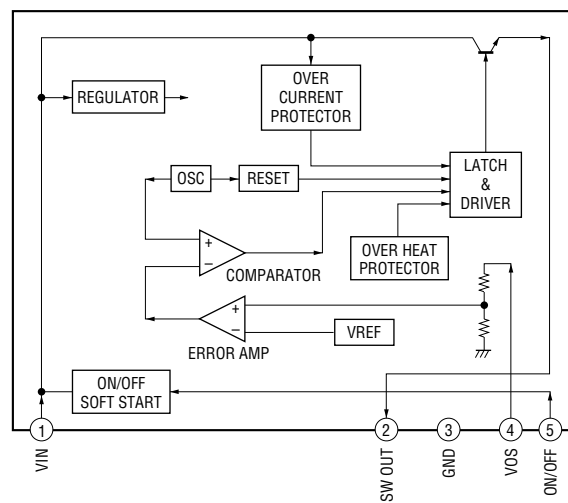
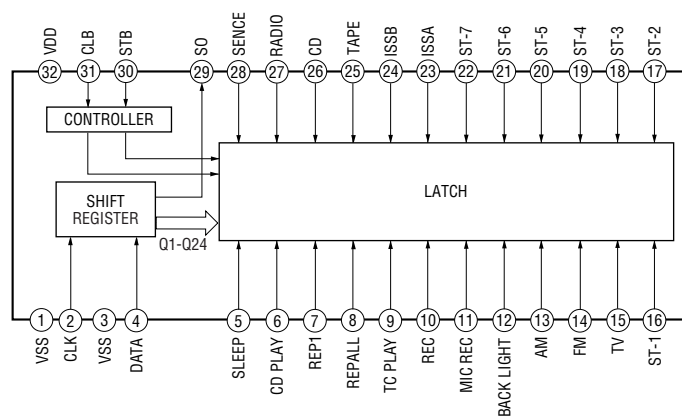
IC601 NJM2580M(TE2) (VIDEO1 BOARD)
 IC602 NJM2580M(TE2) (VIDEO1 BOARD)
 IC603 NJM2580M(TE2) (VIDEO1 BOARD)
 IC604 NJM2580M(TE2) (VIDEO1 BOARD)
 IC605 NJM2580M(TE2) (VIDEO1 BOARD)
 IC606 NJM2580M(TE2) (VIDEO1 BOARD)
 IC607 NJM2580M(TE2) (VIDEO1 BOARD)
 IC608 NJM2580M(TE2) (VIDEO1 BOARD)

IC751 NJM2268D (VIDEO2 BOARD)
 IC752 NJM2268D (VIDEO2 BOARD)
 IC753 NJM2268D (VIDEO2 BOARD)
 IC754 NJM2268D (VIDEO2 BOARD)



IC201 MAX3322IPWR (232C-IR BOARD)
 IC202 MAX3322IPWR (232C-IR BOARD)



IC400 SI-8050JD-TP (232C-IR BOARD)**IC101 BU2152FS (FRONT-LED BOARD)**

• IC Pin Descriptions

IC301 MB90F488BPF-G-SPE1-12ESV050 (SYSTEM CONTROL) (MAIN BOARD (2/7))

Pin No.	Pin Name	I/O	Pin Description
1	ADV7800-A ALSB	O	ADV7800BSTZ-80 ALSB for I/P converter A (P120)
2	ADV7800-B ALSB	O	ADV7800BSTZ-80 ALSB for I/P converter B (P120)
3	ADV7800-C ALSB	O	ADV7800BSTZ-80 ALSB for I/P converter C (P120)
4	ADV7800-D ALSB	O	ADV7800BSTZ-80 ALSB for I/P converter D (P120)
5	ADV7800-A_/INT	I	Detect INT ADV7800BSTZ-80 A (P123)
6	ADV7800-B_/INT	I	Detect INT ADV7800BSTZ-80 B (P123)
7	ADV7800-C_/INT	I	Detect INT ADV7800BSTZ-80 C (P123)
8	ADV7800-D_/INT	I	Detect INT ADV7800BSTZ-80 D (P123)
9	CVBS A ASSI BIT0	I	CVBS A Source Assign SW bit0
10	CVBS A ASSI BIT1	I	CVBS A Source Assign SW bit1
11	Vss	—	Ground
12	CVBS A ASSI BIT2	I	CVBS A Source Assign SW bit2
13	CVBS A ASSI BIT3	I	CVBS A Source Assign SW bit3
14	CVBS B ASSI BIT0	I	CVBS B Source Assign SW bit0
15	CVBS B ASSI BIT1	I	CVBS B Source Assign SW bit1
16	CVBS B ASSI BIT2	I	CVBS B Source Assign SW bit2
17	CVBS B ASSI BIT3	I	CVBS B Source Assign SW bit3
18	CVBS C ASSI BIT0	I	CVBS C Source Assign SW bit0
19	CVBS C ASSI BIT1	I	CVBS C Source Assign SW bit1
20	CVBS C ASSI BIT2	I	CVBS C Source Assign SW bit2
21	CVBS C ASSI BIT3	I	CVBS C Source Assign SW bit3
22	CVBS D ASSI BIT0	I	CVBS D Source Assign SW bit0
23	Vcc5	—	Power supply pin (+3.3 V)
24	CVBS D ASSI BIT1	I	CVBS D Source Assign SW bit1
25	CVBS D ASSI BIT2	I	CVBS D Source Assign SW bit2
26	CVBS D ASSI BIT3	I	CVBS D Source Assign SW bit3
27	RS232C-1 RX	—	M1000 RX/Programming Purpose
28	RS232C-1 TX	—	M1000 TX/Programming Purpose
29	UNUSED	—	Not used. (Fixed at L)
30	ADV7800 RESET	O	ADV7800BSTZ-80 A-D Reset Port (P83)
31	ADV7392 RESET	O	ADV7392BCPZ A-D Reset Port (P20)
32	UNUSED	—	Not used. (Fixed at L)
33	I2C_SCL	—	FMS6501MSA28X, ADV7800BSTZ-80 and ADV7392BCPZ Control
34	I2C_SDA	—	FMS6501MSA28X, ADV7800BSTZ-80 and ADV7392BCPZ Control
35	AVcc	—	Power supply pin (+3.3 V)
36	AVRH	—	Power supply pin (+3.3 V)
37	AVss	—	Ground
38 to 41	UNUSED	—	Not used. (Fixed at L)
42	Vss	—	Ground
43	I2C_SCL_SW1	O	SDA connect SW for I/P Block A
44	I2C_SCL_SW2	O	SDA connect SW for I/P Block B
45	I2C_SCL_SW3	O	SDA connect SW for I/P Block C
46	I2C_SCL_SW4	O	SDA connect SW for I/P Block D
47, 48	UNUSED	—	Not used. (Fixed at L)
49	MOD0	—	Selection of micon operation mode
50	MOD1	—	Selection of micon operation mode (Connect to AVcc)
51	MOD2	—	Selection of micon operation mode
52	SIRCS	I	SIRCS Code Detect
53	STOP	I	Not used. (Fixed at L)
54 to 63	UNUSED	—	Not used. (Fixed at L)
64	RS232C-2 RX	I	AUX RX

Pin No.	Pin Name	I/O	Pin Description
65	UNUSED	—	Not used. (Fixed at L)
66	RS232C-2 TX	O	AUX TX
67 to 69	UNUSED	—	Not used. (Fixed at L)
70	VIDEO_POWER SAVE	O	To control Power Save Mode of All Video IC
71	FMS6501-1_ADDR	O	I2C Address Port for FMS6501MSA28X-1
72	FMS6501-2_ADDR	O	I2C Address Port for FMS6501MSA28X-2
73	FMS6501-3_ADDR	O	I2C Address Port for FMS6501MSA28X-3
74	FMS6501-4_ADDR	O	I2C Address Port for FMS6501MSA28X-4
75	FMS6501-5_ADDR	O	I2C Address Port for FMS6501MSA28X-5
76	FMS6501-6_ADDR	O	I2C Address Port for FMS6501MSA28X-6
77	RSTX	I	Reset Detect
78	UNUSED	—	Not used. (Fixed at L)
79	X1A	—	Not used. (Open)
80	X0A	—	Not used. (Fixed at L)
81	Vss	—	Ground
82	X0	—	Clock signal input (24 MHz)
83	X1	—	Clock signal output (24 MHz)
84	Vcc3	—	Power supply pin (+3.3 V)
85	ZONE JOG_1	I	Rotary Encoder for ZONE Select
86	ZONE JOG_2	I	Rotary Encoder for ZONE Select
87	SOURCE JOG_1	I	Rotary Encoder for SOURCE Select
88	SOURCE JOG_2	I	Rotary Encoder for SOURCE Select
89	/CLR	I	LED Driver Control (BU2152FS:P31)
90	/STB	I	LED Driver Control (BU2152FS:P30)
91	CLK	I	LED Driver Control (BU2152FS:P2)
92	DATA	I	LED Driver Control (BU2152FS:P4)
93	ADV7392-A ALSB	O	ADV7392BCPZ ALSB for I/P converter A (P12)
94	ADV7392-B ALSB	O	ADV7392BCPZ ALSB for I/P converter B (P12)
95	ADV7392-C ALSB	O	ADV7392BCPZ ALSB for I/P converter C (P12)
96	ADV7392-D ALSB	O	ADV7392BCPZ ALSB for I/P converter D (P12)
97 to 100	UNUSED	—	Not used. (Fixed at L)

**IC4002 ADV7800BSTZ-80 (10-BIT, SDTV/HDTV 3D COMB FILTER, VIDEO ENCODER, AND GRAPHICS DIGITIZER)
(MAIN BOARD (4/7))**

**IC4202 ADV7800BSTZ-80 (10-BIT, SDTV/HDTV 3D COMB FILTER, VIDEO ENCODER, AND GRAPHICS DIGITIZER)
(MAIN BOARD (5/7))**

**IC4402 ADV7800BSTZ-80 (10-BIT, SDTV/HDTV 3D COMB FILTER, VIDEO ENCODER, AND GRAPHICS DIGITIZER)
(MAIN BOARD (6/7))**

**IC4602 ADV7800BSTZ-80 (10-BIT, SDTV/HDTV 3D COMB FILTER, VIDEO ENCODER, AND GRAPHICS DIGITIZER)
(MAIN BOARD (7/7))**

Pin No.	Pin Name	I/O	Pin Description
1 to 14	P13 to P0	O	Video Pixel Output Port
15	DVDDIO	—	Digital Input/Output Supply Voltage (+3.3 V)
16	DGND	—	Digital Ground
17	LLC	O	Line-Locked Output Clock for the Pixel Data.
18	CS/HS_OUT	O	Horizontal Synchronization or Composite Synchronization Signal. This signal can be selected while in SDP mode.
19	SFL/SYNC_OUT	O	Subcarrier Frequency Lock. This pin contains a serial output stream, which can be used to lock the subcarrier frequency when this decoder is connected to any Analog Device, Inc. digital video encoder. SYNC_OUT is the sliced synchronization output signal available only in CP mode.
20	FLD_DE_OUT	O	Field Synchronization Output Signal (All Interlaced Video Modes). This pin also can be enabled as a data enable signal (DE) to allow direct connection to HDMI/DVI Tx IC.
21	VS_OUT	O	Vertical Synchronization Output Signal (SDP and CP modes)
22	DGND	—	Digital Ground
23	DVDD	—	Digital Core Supply Voltage (+1.8 V)
24	SDRAM_A11	O	Address Output. Interface to external RAM address lines.
25 to 34	SDRAM_A9 to SDRAM_A0	O	Address Outputs. Interface to external RAM address lines.
35	DGND	—	Digital Ground
36	DVDD	—	Digital Core Supply Voltage (+1.8 V)
37	DVDDIO_SDRAM	—	External Memory Interface Digital Input/Output Supply (+2.5 V)
38	DVSSIO_SDRAM	—	External Memory Interface Digital Ground
39	SDRAM_A10	O	Address Output. Interface to external RAM address lines.
40, 41	SDRAM_BA1, SDRAM_BA0	O	Bank Address Outputs. Interface to external RAM bank address lines.
42	/SDRAM_CS	O	/CS is a chip select function that enables and disables the command decoder on the RAM.
43	/SDRAM_RAS	O	Row Address Select Command Signal. /SDRAM_RAS, /SDRAM_CAS, /SDRAM_WE, and /SDRAM_CS define the command to the RAM.
44	/SDRAM_CAS	O	Column Address Select Command Signal. /SDRAM_RAS, /SDRAM_CAS, /SDRAM_WE, and /SDRAM_CS define the command to the RAM.
45	/SDRAM_WE	O	Write Enable Output Command Signal. /SDRAM_RAS, /SDRAM_CAS, /SDRAM_WE, and /SDRAM_CS define the command to the RAM.
46	SDRAM_LDM	O	Data Mask Output. Data is masked when DM is high, for write data to the external RAM. LDM corresponds to the data on SDRAM_DQ0 to SDRAM_DQ7.
47	DVDDIO_SDRAM	—	External Memory Interface Digital Input/Output Supply (+2.5 V)
48	DVSSIO_SDRAM	—	External Memory Interface Digital Ground
49	SDRAM_LDQS	I/O	Lower Data Strobe Pin. Data strobe pins for the RAM interface. This is an output with read data and an input with write data. It is edge aligned with write data and centered in read data. SDRAM_LDQS corresponds to the data on SDRAM_DQ0 to SDRAM_DQ7.
50 to 57	SDRAM_DQ7 to SDRAM_DQ0	I/O	Data Bus. Interface to external RAM 16-bit data bus.
58	SDRAM_VREF	—	+1.25 V reference for DDR SDRAM interface.
59	DGND	—	Digital Ground
60	DVDD	—	Digital Core Supply Voltage (+1.8 V)

Pin No.	Pin Name	I/O	Pin Description
61	DVDDIO_SDRAM	—	External Memory Interface Digital Input/Output Supply (+2.5 V)
62	DVSSIO_SDRAM	—	External Memory Interface Digital Ground
63 to 70	SDRAM_DQ15 to SDRAM_DQ8	I/O	Data Bus. Interface to external RAM 16-bit data bus.
71	SDRAM_UDQS	I/O	Upper Data Strobe Pin. Data strobe pins for the RAM interface. This is an output with read data and an input with write data. It is edge aligned with write data and centered in read data. SDRAM_UDQS corresponds to the data on SDRAM_DQ8 to SDRAM_DQ15.
72	SDRAM_UDM	O	Data Mask Output. Data is masked when DM is high, for write data to the external RAM. UDM corresponds to the data on SDRAM_DQ8 to SDRAM_DQ15.
73	/SDRAM_CK	O	Differential Clock Output. All address and control output signal to the RAM should be sampled on the negative edge of /SDRAM_CK.
74	SDRAM_CK	O	Differential Clock Output. All address and control output signal to the RAM should be sampled on the positive edge of SDRAM_CK.
75	SDRAM_CKE	O	Clock Enable. This pin is used as an enable to the clock signals of the external RAM.
76	DVDD	—	Digital Core Supply Voltage (+1.8 V)
77	DGND	—	Digital Ground
78	CLKIN	I	Clock Input Signal. Used in 24-bit digital input mode (for example, processing 24-bit RGB data from a DVI/HDMI Rx IC and also in digital CVBS input mode).
79	DVDDIO	—	Digital Input/Output Supply Voltage (+3.3 V)
80	XTAL	I	Crystal Input. Input pin for 28.63636 MHz crystal.
81	XTAL1	O	Crystal Output. This pin should be connected to the 28.63636 MHz crystal.
82	DGND	—	Digital Ground
83	/RESET	I	System Reset Input. Active low. A minimum low reset pulse width of 5 ms is required to reset the ADV7800BSTZ-80 circuitry.
84	PVDD	—	PLL Supply Voltage (+1.8 V)
85	AGND	—	Analog Ground
86	ELPF1	I	External Loop Filter. The recommend external loop filter must be connected to each ELPF pin.
87	PVDD	—	PLL Supply Voltage (+1.8 V)
88	ELPF2	I	External Loop Filter. The recommend external loop filter must be connected to each ELPF pin.
89	AGND	—	Analog Ground
90	FB	I	SCART Fast Blank Input
91	SOY	I	Sync On Luma Input. Used in embedded synchronization mode.
92	SOG	I	Sync On Green Input. Used in embedded synchronization mode.
93	AIN7	I	Analog Video Input Channel
94	AIN1	I	Analog Video Input Channel
95	AIN8	I	Analog Video Input Channel
96	AIN2	I	Analog Video Input Channel
97	AIN9	I	Analog Video Input Channel
98	AIN3	I	Analog Video Input Channel
99, 100	AGND	—	Analog Ground
101	AVDD	—	Analog Supply Voltage (+3.3 V)
102	REFOUT	O	Internal Voltage Reference Output
103	CML	O	Common-Mode Level Pin Used for the Internal ADCs.
104	AGND	—	Analog Ground
105	AVDD	—	Analog Supply Voltage (+3.3 V)
106	/BIAS	O	External Bias Setting Pin. Connect the recommended resistor (1.35 k Ω) between the pin and ground.
107	CAPY1	I	ADC Capacitor Network
108, 109	CAPC1, CAPC2	I	ADC Capacitor Network
110	AIN10	I	Analog Video Input Channel

Pin No.	Pin Name	I/O	Pin Description
111	AIN4	I	Analog Video Input Channel
112	AIN11	I	Analog Video Input Channel
113	AIN5	I	Analog Video Input Channel
114	AIN12	I	Analog Video Input Channel
115	AIN6	I	Analog Video Input Channel
116	AOUT	O	Analog Monitor Output
117	FUNCT1	I	SCART Function Select Input
118	HS_IN1	I	Horizontal Synchronization Input Signal. Used in CP mode for 5-wire timing mode.
119	HS_IN2	I/O	Horizontal Synchronization Input Signal. Used in 24-bit digital input mode port mode (for example, processing 24-bit RGB data from an DVI/HDMI Rx IC). HS_IN2 in conjunction with VS_IN2 can be configured as a fast I2C port serial clock input.
120	ALSB	I	ALSB selects the I2C address for the ADV7800BSTZ-80 control. ALSB set to Logic 0 configures the address for a write to the input/output port of 0x40. ALSB set to high configures the address for a write to the input/output port of 0x42.
121	SDA	I/O	I2C Port Serial Data Input/Output Pin
122	SCLK	I	I2C Port Serial Clock Input (Maximum Clock Rate of 400 kHz).
123	/INT	O	Interrupt Output. This pin can be active low or active high. When SDP/CP status bits change, this pin triggers. The set of events that triggers an interrupt is under user control.
124	VS_IN2	I/O	Vertical Synchronization Input Signal. Used in 24-bit digital input mode (for example, processing 24-bit RGB data from an DVI/HDMI Rx IC). VS_IN2 in conjunction with HS_IN2 can be configured as a fast I2C interface for teletext data extraction. VS_IN2 is used as the I2C port serial data input/output pins.
125	VS_IN1	I	Vertical Synchronization Input Signal.
126	DE_IN	I	Data Enable Input Signal. Used in 24-bit digital input port mode (for example, processing 24-bit RGB data from an DVI/HDMI Rx IC).
127 to 136	P53 to P44	I/O	Video Pixel Input/Output Port
137	DVDD	—	Digital Core Supply Voltage (+1.8 V)
138	DGND	—	Digital Ground
139 to 142	P43 to P40	I/O	Video Pixel Input/Output Port
143	DVDDIO	—	Digital Input/Output Supply Voltage (+3.3 V)
144	DGND	—	Digital Ground
145 to 158	P39 to P26	I/O	Video Pixel Input/Output Port
159	DVDD	—	Digital Core Supply Voltage (+1.8 V)
160	DGND	—	Digital Ground
161 to 169	P25 to P17	I/O	Video Pixel Input/Output Port
170	DVDDIO	—	Digital Input/Output Supply Voltage (+3.3 V)
171	DGND	—	Digital Ground
172 to 174	P16 to P14	I/O	Video Pixel Input/Output Port
175	DVDD	—	Digital Core Supply Voltage (+1.8 V)
176	DGND	—	Digital Ground

SECTION 5

EXPLODED VIEWS

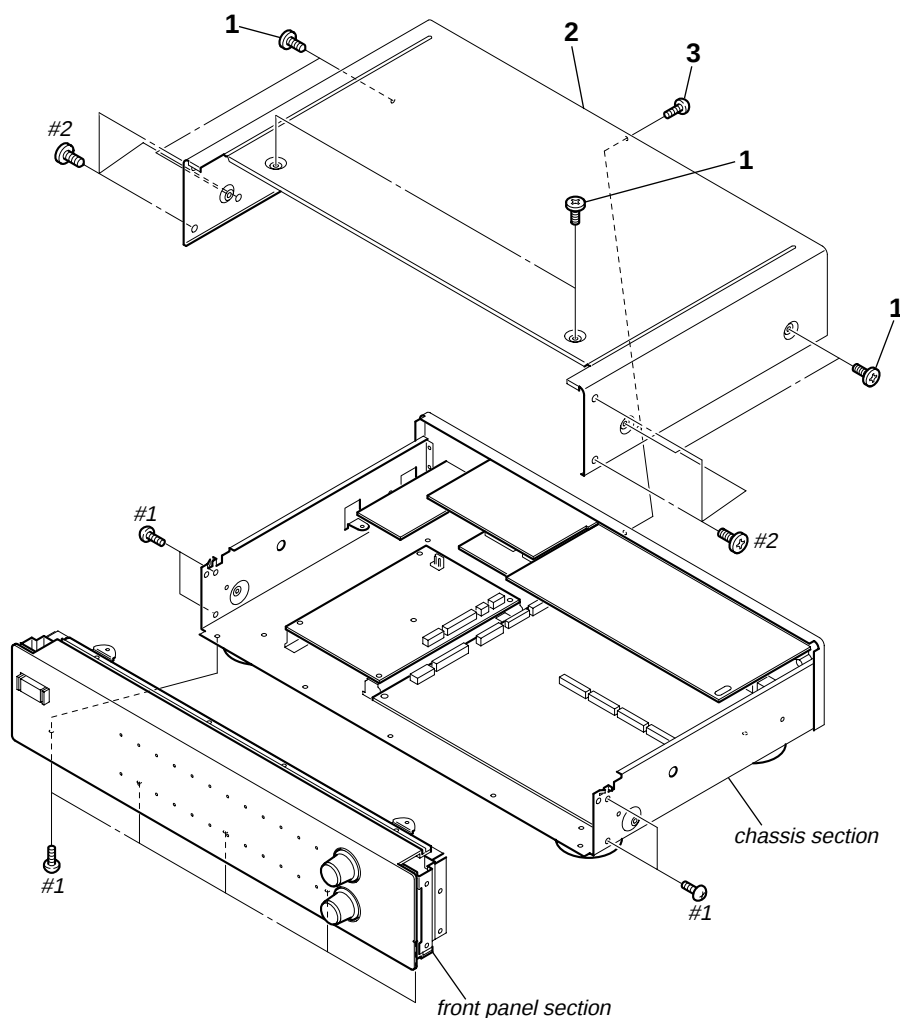
NOTE:

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

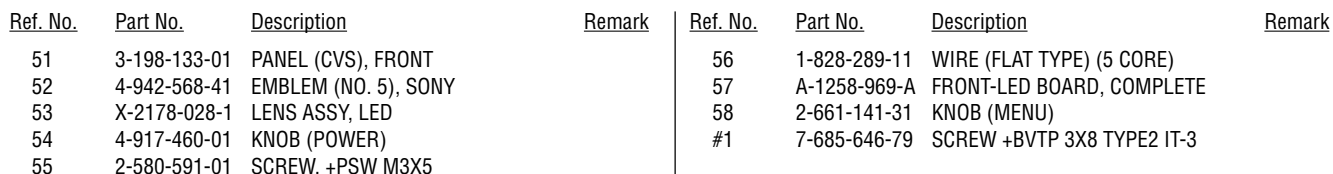
- Color Indication of Appearance Parts
Example :
 KNOB, BALANCE (WHITE) ... (RED)
 ↑ ↑
 Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

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

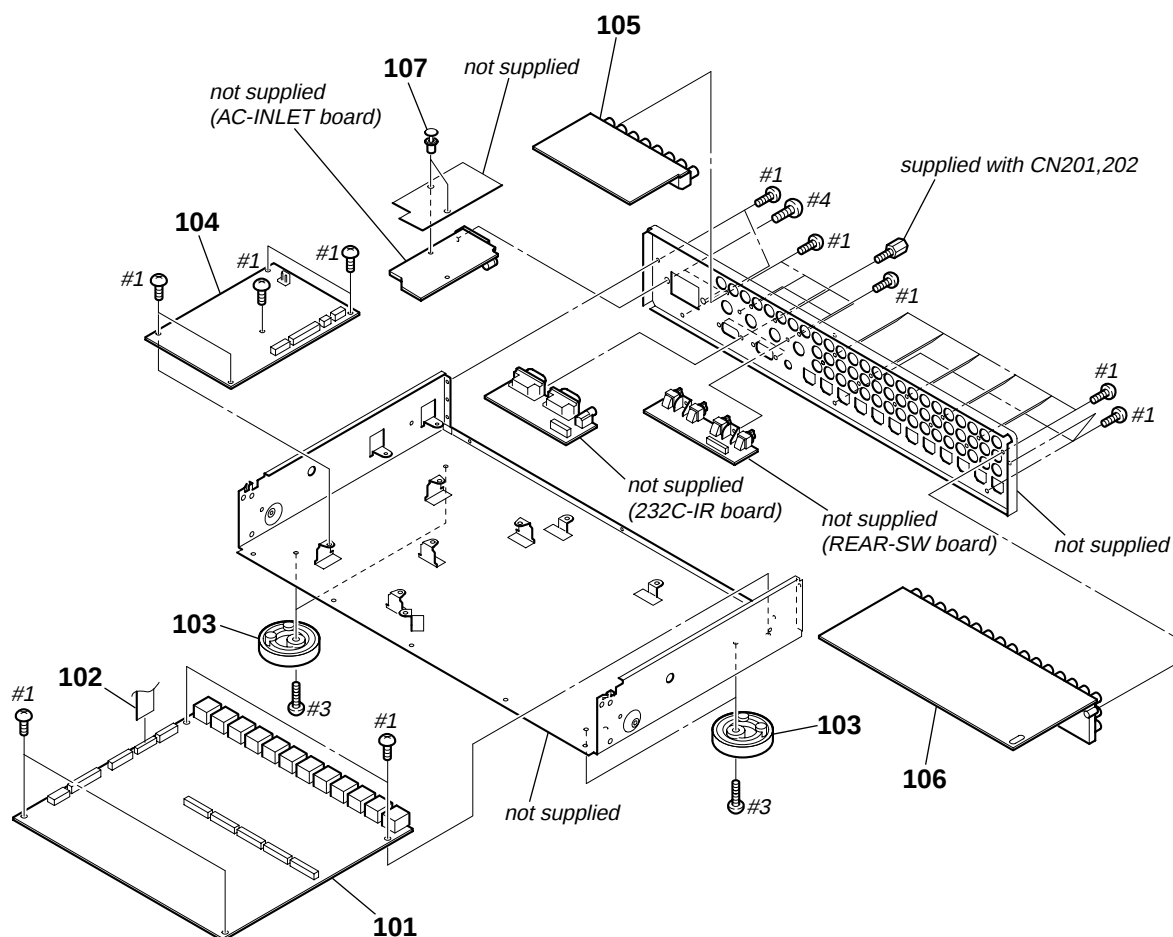
5-1. CASE SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-227-843-03	SCREW (TP), FLAT HEAD		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
2	4-997-138-43	CASE (409526)		#2	7-682-561-09	SCREW +B 4X8	
3	3-704-515-22	SCREW (BV/RING)					



5-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-1258-962-A	MAIN BOARD, COMPLETE		106	A-1258-966-A	VIDEO1 BOARD, COMPLETE	
102	1-828-359-11	WIRE (FLAT TYPE) (19 CORE)		107	3-531-576-11	RIVET	
103	X-4956-420-1	FOOT ASSY		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ 104	1-468-895-11	REGULATOR, SWITCHING		#3	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
105	A-1258-967-A	VIDEO2 BOARD, COMPLETE		#4	7-685-659-79	SCREW +BVTP 4X8 TYPE2 N-S	

AC-INLET FRONT-LED
FRONT-SW MAIN

SECTION 6
ELECTRICAL PARTS LIST

- NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
 - RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
 - Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
• CAPACITORS
uF : μ F
• COILS
uH : μ H

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

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

Ref. No.	Part No.	Description	Remark
		AC-INLET BOARD *****	
		< AC INLET >	
$\triangle$ CN952	1-816-148-11	INLET, AC ($\sim$ AC IN)	

	A-1258-969-A	FRONT-LED BOARD, COMPLETE *****	
		< CAPACITOR >	
C101	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
C102	1-162-964-11	CERAMIC CHIP 0.001uF 10% 50V	
C103	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C104	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C105	1-126-947-11	ELECT 47uF 20% 35V	
		< CONNECTOR >	
CN100	1-794-032-21	PIN, CONNECTOR (PC BOARD) 11P	
CN101	1-794-362-41	CONNECTOR, FFC/FPC 5P	
		< DIODE >	
D101	8-719-046-39	LED SEL5821A-TP15 (SOURCE 1)	
D102	8-719-046-39	LED SEL5821A-TP15 (SOURCE 2)	
D103	8-719-046-39	LED SEL5821A-TP15 (SOURCE 3)	
D104	8-719-046-39	LED SEL5821A-TP15 (SOURCE 4)	
D105	8-719-046-39	LED SEL5821A-TP15 (SOURCE 5)	
D106	8-719-046-39	LED SEL5821A-TP15 (SOURCE 6)	
D107	8-719-046-39	LED SEL5821A-TP15 (SOURCE 7)	
D108	8-719-046-39	LED SEL5821A-TP15 (SOURCE 8)	
D109	8-719-046-39	LED SEL5821A-TP15 (SOURCE 9)	
D110	8-719-046-39	LED SEL5821A-TP15 (SOURCE 10)	
D111	8-719-046-39	LED SEL5821A-TP15 (SOURCE 11)	
D112	8-719-046-39	LED SEL5821A-TP15 (SOURCE 12)	
D113	8-719-046-39	LED SEL5821A-TP15 (ZONE 1)	
D114	8-719-046-39	LED SEL5821A-TP15 (ZONE 2)	
D115	8-719-046-39	LED SEL5821A-TP15 (ZONE 3)	
D116	8-719-046-39	LED SEL5821A-TP15 (ZONE 4)	
D117	8-719-046-39	LED SEL5821A-TP15 (ZONE 5)	
D118	8-719-046-39	LED SEL5821A-TP15 (ZONE 6)	
D119	8-719-046-39	LED SEL5821A-TP15 (ZONE 7)	
D120	8-719-046-39	LED SEL5821A-TP15 (ZONE 8)	
D121	8-719-046-39	LED SEL5821A-TP15 (ZONE 9)	
D122	8-719-046-39	LED SEL5821A-TP15 (ZONE 10)	
D123	8-719-046-39	LED SEL5821A-TP15 (ZONE 11)	

Ref. No.	Part No.	Description	Remark
D124	8-719-046-39	LED SEL5821A-TP15 (ZONE 12)	
		< IC >	
IC101	6-701-888-01	IC BU2152FS	
		< RESISTOR >	
R101	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R102	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R103	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R104	1-216-809-11	METAL CHIP 100 5% 1/10W	
R105	1-216-809-11	METAL CHIP 100 5% 1/10W	
		< NETWORK RESISTOR >	
RB101	1-233-575-11	RES, CHIP NETWORK 22X4 (3216)	
RB102	1-233-575-11	RES, CHIP NETWORK 22X4 (3216)	
RB103	1-233-575-11	RES, CHIP NETWORK 22X4 (3216)	
RB104	1-233-575-11	RES, CHIP NETWORK 22X4 (3216)	
RB105	1-233-575-11	RES, CHIP NETWORK 22X4 (3216)	
RB106	1-233-575-11	RES, CHIP NETWORK 22X4 (3216)	

		FRONT-SW BOARD *****	
		< CONNECTOR >	
CN102	1-794-362-41	CONNECTOR, FFC/FPC 5P	
		< ENCODER >	
S101	1-418-976-11	ENCODER (ZONE)	
S102	1-418-976-11	ENCODER (SOURCE)	

	A-1258-962-A	MAIN BOARD, COMPLETE *****	
		< CAPACITOR >	
C300	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C302	1-164-315-11	CERAMIC CHIP 470PF 5% 50V	
C303	1-164-315-11	CERAMIC CHIP 470PF 5% 50V	
C304	1-162-962-11	CERAMIC CHIP 470PF 10% 50V	
C305	1-127-573-11	CERAMIC CHIP 1uF 10% 16V	
C306	1-163-025-11	CERAMIC CHIP 0.001uF 50V	
C307	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C308	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C309	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C310	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C375	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C311	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C376	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C312	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C377	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C314	1-112-791-11	ELECT CHIP	100uF	20%	16V	C378	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C315	1-119-667-11	CERAMIC CHIP	22uF		10V	C379	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C316	1-119-667-11	CERAMIC CHIP	22uF		10V	C380	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C317	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C381	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C318	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	C382	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C319	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C383	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C320	1-114-250-21	ELECT CHIP	150uF	20%	16V	C384	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C321	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	C385	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C322	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	C386	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C323	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C387	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C324	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C388	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C325	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C389	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C326	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C390	1-100-395-21	TANTAL. CHIP	330uF	20%	6.3V
C327	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C391	1-100-395-21	TANTAL. CHIP	330uF	20%	6.3V
C328	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C392	1-100-395-21	TANTAL. CHIP	330uF	20%	6.3V
C329	1-126-193-11	ELECT CHIP	1uF	20%	50V	C396	1-114-250-21	ELECT CHIP	150uF	20%	16V
C330	1-112-791-11	ELECT CHIP	100uF	20%	16V	C397	1-114-250-21	ELECT CHIP	150uF	20%	16V
C332	1-112-791-11	ELECT CHIP	100uF	20%	16V	C398	1-100-395-21	TANTAL. CHIP	330uF	20%	6.3V
C333	1-112-791-11	ELECT CHIP	100uF	20%	16V	C400	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
C334	1-114-250-21	ELECT CHIP	150uF	20%	16V	C401	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C338	1-112-791-11	ELECT CHIP	100uF	20%	16V	C402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C339	1-112-791-11	ELECT CHIP	100uF	20%	16V	C403	1-128-991-21	ELECT CHIP	10uF	20%	50V
C340	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C404	1-128-991-21	ELECT CHIP	10uF	20%	50V
C341	1-119-667-11	CERAMIC CHIP	22uF		10V	C405	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C342	1-131-661-21	ELECT CHIP	100uF	20%	10V	C406	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C345	1-128-401-11	ELECT CHIP	100uF	20%	25V	C407	1-128-991-21	ELECT CHIP	10uF	20%	50V
C346	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C408	1-128-991-21	ELECT CHIP	10uF	20%	50V
C347	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C409	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C348	1-126-204-11	ELECT CHIP	47uF	20%	16V	C410	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C349	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V	C411	1-128-991-21	ELECT CHIP	10uF	20%	50V
C350	1-128-536-11	ELECT CHIP	100uF	20%	25V	C412	1-128-991-21	ELECT CHIP	10uF	20%	50V
C351	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C413	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C352	1-131-661-21	ELECT CHIP	100uF	20%	10V	C414	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C353	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C415	1-128-991-21	ELECT CHIP	10uF	20%	50V
C354	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C416	1-128-991-21	ELECT CHIP	10uF	20%	50V
C355	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C417	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C356	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C418	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C357	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C419	1-128-991-21	ELECT CHIP	10uF	20%	50V
C358	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C420	1-128-991-21	ELECT CHIP	10uF	20%	50V
C359	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C421	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C360	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C422	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C361	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C423	1-128-991-21	ELECT CHIP	10uF	20%	50V
C362	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C424	1-128-991-21	ELECT CHIP	10uF	20%	50V
C363	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C425	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
C364	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C426	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
C365	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C427	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
C366	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C428	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
C367	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C429	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
C368	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C431	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C369	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C432	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C370	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C433	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C371	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C434	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C372	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C435	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C373	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C436	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C374	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C437	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

MAIN

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C2043	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4025	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2044	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4026	1-137-910-11	TANTAL. CHIP	10uF	20%	16V
C2045	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4027	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2046	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4028	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C2047	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4029	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2048	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4030	1-137-910-11	TANTAL. CHIP	10uF	20%	16V
C2049	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4031	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2050	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4032	1-137-910-11	TANTAL. CHIP	10uF	20%	16V
C2051	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4033	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2052	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4034	1-137-652-11	CERAMIC CHIP	0.039uF	10%	16V
C2053	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4035	1-107-682-11	CERAMIC CHIP	1uF	10%	16V
C2054	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4036	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2055	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4037	1-114-409-11	CERAMIC CHIP	0.082uF	5%	50V
C2056	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4038	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C2057	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4039	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2058	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4040	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C2059	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4041	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2060	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4042	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C2061	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4043	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2062	1-165-662-21	ELECT CHIP	220uF	20%	4V	C4044	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C2063	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4045	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C2064	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4046	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2065	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4047	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C2066	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4048	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C2067	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4049	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2068	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4050	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V
C2069	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4051	1-131-664-11	CERAMIC CHIP	0.15uF	10%	10V
C2070	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4052	1-126-210-21	ELECT CHIP	220uF	20%	4V
C2071	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4053	1-126-393-11	ELECT CHIP	33uF	20%	10V
C2072	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4054	1-126-210-21	ELECT CHIP	220uF	20%	4V
C2073	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4055	1-126-210-21	ELECT CHIP	220uF	20%	4V
C2074	1-128-590-11	ELECT CHIP	100uF	20%	6.3V	C4056	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C2075	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C4057	1-126-393-11	ELECT CHIP	33uF	20%	10V
C2076	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C4058	1-126-393-11	ELECT CHIP	33uF	20%	10V
C2077	1-128-995-21	ELECT CHIP	100uF	20%	10V	C4062	1-164-362-11	CERAMIC CHIP	470PF	5%	50V
C2084	1-100-395-21	TANTAL. CHIP	330uF	20%	6.3V	C4066	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C2085	1-100-395-21	TANTAL. CHIP	330uF	20%	6.3V	C4067	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4004	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4068	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4005	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4069	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4006	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4070	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4007	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4071	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4008	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4072	1-165-880-21	ELECT CHIP	220uF	20%	2.5V
C4009	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4109	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4010	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4110	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4011	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4111	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4012	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4112	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4013	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4115	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4014	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4116	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4015	1-162-926-11	CERAMIC CHIP	82PF	5%	50V	C4117	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4016	1-164-392-11	CERAMIC CHIP	390PF	5%	50V	C4118	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4017	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	C4119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4018	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4120	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4019	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4020	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4122	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4021	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4022	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4124	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4023	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4125	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4024	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4126	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V

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MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C4127	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4236	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C4128	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4237	1-114-409-11	CERAMIC CHIP	0.082uF	5%	50V
C4129	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4238	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4130	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4239	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4131	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4240	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4132	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4241	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4133	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4242	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C4134	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4243	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4135	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4244	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4136	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4245	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4137	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4246	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4138	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4247	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4248	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4140	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4249	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4141	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4250	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V
C4142	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4251	1-131-664-11	CERAMIC CHIP	0.15uF	10%	10V
C4143	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4252	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4144	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4253	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4145	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4254	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4146	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4255	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4147	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4256	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4148	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4257	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4188	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4258	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4189	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4262	1-164-362-11	CERAMIC CHIP	470PF	5%	50V
C4191	1-163-038-11	CERAMIC CHIP	0.1uF		25V	C4266	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4192	1-128-991-21	ELECT CHIP	10uF	20%	50V	C4267	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4204	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4268	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4205	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4269	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4206	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4270	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4207	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4271	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4208	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4272	1-165-880-21	ELECT CHIP	220uF	20%	2.5V
C4209	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4309	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4210	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4310	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4211	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4311	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4212	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4213	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4214	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4316	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4215	1-162-926-11	CERAMIC CHIP	82PF	5%	50V	C4317	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4216	1-164-392-11	CERAMIC CHIP	390PF	5%	50V	C4318	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4217	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	C4319	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4218	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4320	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4219	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4321	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4220	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4322	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4221	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4323	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4222	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4324	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4223	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4325	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4224	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4326	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4225	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4327	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4226	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4328	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4227	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4329	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4228	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4330	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4229	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4331	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4230	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4332	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4231	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4333	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4232	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4334	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4233	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4335	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4234	1-137-652-11	CERAMIC CHIP	0.039uF	10%	16V	C4336	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4235	1-107-682-11	CERAMIC CHIP	1uF	10%	16V	C4337	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
C4338	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4449	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4339	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4450	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V
C4340	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4451	1-131-664-11	CERAMIC CHIP	0.15uF	10%	10V
C4341	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4452	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4342	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4453	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4343	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4454	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4344	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4455	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4345	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4456	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4346	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4457	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4347	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4458	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4348	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4462	1-164-362-11	CERAMIC CHIP	470PF	5%	50V
C4388	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4466	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4389	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4467	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4404	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4468	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4405	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4469	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4406	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4470	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4407	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4471	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4408	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4472	1-165-880-21	ELECT CHIP	220uF	20%	2.5V
C4409	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4509	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4410	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4510	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4411	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4511	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4412	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4512	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4413	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4515	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4414	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4516	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4415	1-162-926-11	CERAMIC CHIP	82PF	5%	50V	C4517	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4416	1-164-392-11	CERAMIC CHIP	390PF	5%	50V	C4518	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4417	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	C4519	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4418	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4520	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4419	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4521	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4420	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4522	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4421	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4523	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4422	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4524	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4423	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4525	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4424	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4526	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4425	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4527	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4426	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4528	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4427	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4529	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4428	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4530	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4429	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4531	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4430	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4532	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4431	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4533	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4432	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4534	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4433	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4535	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4434	1-137-652-11	CERAMIC CHIP	0.039uF	10%	16V	C4536	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4435	1-107-682-11	CERAMIC CHIP	1uF	10%	16V	C4537	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4436	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C4538	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4437	1-114-409-11	CERAMIC CHIP	0.082uF	5%	50V	C4539	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4438	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4540	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4439	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4541	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4440	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4542	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4441	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4543	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4442	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C4544	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4443	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4545	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4444	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C4546	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4445	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4547	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4446	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4548	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4447	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4588	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4448	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4589	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V

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MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C4604	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4668	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4605	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4669	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4606	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4670	1-126-393-11	ELECT CHIP	33uF	20%	10V
C4607	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4671	1-126-210-21	ELECT CHIP	220uF	20%	4V
C4608	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4672	1-165-880-21	ELECT CHIP	220uF	20%	2.5V
C4609	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4709	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4610	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4710	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4611	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4711	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4612	1-126-210-21	ELECT CHIP	220uF	20%	4V	C4712	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4613	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4715	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4614	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4716	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4615	1-162-926-11	CERAMIC CHIP	82PF	5%	50V	C4717	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4616	1-164-392-11	CERAMIC CHIP	390PF	5%	50V	C4718	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4617	1-164-739-11	CERAMIC CHIP	560PF	5%	50V	C4719	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4618	1-126-393-11	ELECT CHIP	33uF	20%	10V	C4720	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4619	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4721	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4620	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V	C4722	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4621	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4723	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4622	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4724	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4623	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4725	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4624	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4726	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4625	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4727	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4626	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4728	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4627	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4729	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4628	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4730	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4629	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4731	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4630	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4732	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4631	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4733	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4632	1-137-910-11	TANTAL. CHIP	10uF	20%	16V	C4734	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4633	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4735	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4634	1-137-652-11	CERAMIC CHIP	0.039uF	10%	16V	C4736	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4635	1-107-682-11	CERAMIC CHIP	1uF	10%	16V	C4737	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4636	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	C4738	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4637	1-114-409-11	CERAMIC CHIP	0.082uF	5%	50V	C4739	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4638	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4740	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4639	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4741	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4640	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4742	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4641	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4743	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4642	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	C4744	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4643	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4745	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4644	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C4746	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4645	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4747	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4646	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	C4748	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4647	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4788	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4648	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V	C4789	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C4649	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	< CONNECTOR >					
C4650	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V	CN310	1-794-032-21	PIN, CONNECTOR (PC BOARD)	11P		
C4651	1-131-664-11	CERAMIC CHIP	0.15uF	10%	10V	CN320	1-779-992-11	PIN, CONNECTOR (PWB)	8P		
C4652	1-126-210-21	ELECT CHIP	220uF	20%	4V	CN323	1-794-509-11	PIN, CONNECTOR (PC BOARD)	3P		
C4653	1-126-393-11	ELECT CHIP	33uF	20%	10V	CN325	1-820-117-41	CONNECTOR, FFC/FPC	19P		
C4654	1-126-210-21	ELECT CHIP	220uF	20%	4V	CN375	1-770-468-21	PIN, CONNECTOR (PC BOARD)	10P		
C4655	1-126-210-21	ELECT CHIP	220uF	20%	4V	CN391	1-785-728-21	PIN (PC BOARD), CONNECTOR	7P		
C4656	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V	CN392	1-816-587-21	PIN, CONNECTOR (PC BOARD)	15P		
C4657	1-126-393-11	ELECT CHIP	33uF	20%	10V	CN401	1-815-954-21	PIN, CONNECTOR (PC BOARD)	13P		
C4658	1-126-393-11	ELECT CHIP	33uF	20%	10V	CN402	1-815-954-21	PIN, CONNECTOR (PC BOARD)	13P		
C4662	1-164-362-11	CERAMIC CHIP	470PF	5%	50V	CN403	1-794-519-21	PIN, CONNECTOR (PC BOARD)	14P		
C4666	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	CN404	1-815-875-21	PIN, CONNECTOR (PC BOARD)	12P		
C4667	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V						

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< MODULAR JACK >				FB4208	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2000	1-764-644-11	JACK, MODULAR 8P (ZONE 1 VIDEO OUT)		FB4209	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2001	1-764-644-11	JACK, MODULAR 8P (ZONE 2 VIDEO OUT)		FB4400	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2002	1-764-644-11	JACK, MODULAR 8P (ZONE 3 VIDEO OUT)		FB4401	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2003	1-764-644-11	JACK, MODULAR 8P (ZONE 4 VIDEO OUT)		FB4402	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2004	1-764-644-11	JACK, MODULAR 8P (ZONE 5 VIDEO OUT)		FB4403	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2005	1-764-644-11	JACK, MODULAR 8P (ZONE 6 VIDEO OUT)		FB4404	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2006	1-764-644-11	JACK, MODULAR 8P (ZONE 7 VIDEO OUT)		FB4405	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2007	1-764-644-11	JACK, MODULAR 8P (ZONE 8 VIDEO OUT)		FB4406	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2008	1-764-644-11	JACK, MODULAR 8P (ZONE 9 VIDEO OUT)		FB4407	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2009	1-764-644-11	JACK, MODULAR 8P (ZONE 10 VIDEO OUT)		FB4408	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2010	1-764-644-11	JACK, MODULAR 8P (ZONE 11 VIDEO OUT)		FB4409	1-469-324-21	FERRITE, EMI (SMD) (2012)	
CN2011	1-764-644-11	JACK, MODULAR 8P (ZONE 12 VIDEO OUT)		FB4600	1-469-324-21	FERRITE, EMI (SMD) (2012)	
< DIODE >				FB4601	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D400	8-719-210-43	DIODE EC10QS-06		FB4602	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D402	8-719-081-34	DIODE RB160M-30TR		FB4603	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D403	8-719-081-34	DIODE RB160M-30TR		FB4604	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D404	6-501-817-01	DIODE MA2J1110GLS0		FB4605	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D405	6-501-817-01	DIODE MA2J1110GLS0		FB4606	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D2000	8-719-210-39	DIODE EC10QS-04		FB4607	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D2001	8-719-075-77	DIODE EC10DA40-TE12		FB4608	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D2002	8-719-075-77	DIODE EC10DA40-TE12		FB4609	1-469-324-21	FERRITE, EMI (SMD) (2012)	
D2003	8-719-075-77	DIODE EC10DA40-TE12		< IC >			
< TERMINAL >				IC301	6-807-721-01	IC MB90F488BPF-G-SPE1-12ESV050	
ET301	1-780-318-11	TERMINAL		IC302	6-704-528-01	IC S-80927CNMC-G8XT2G	
ET302	1-780-318-11	TERMINAL		IC303	8-759-523-78	IC TC74VHC00FT(EL)	
ET2001	1-780-318-11	TERMINAL		IC401	6-711-267-01	IC FMS6501MSA28X	
ET2002	1-780-318-11	TERMINAL		IC402	6-711-267-01	IC FMS6501MSA28X	
< FERRITE BEAD >				IC403	6-711-267-01	IC FMS6501MSA28X	
FB301	1-414-813-11	FERRITE, EMI (SMD) (2012)		IC404	6-711-267-01	IC FMS6501MSA28X	
FB302	1-414-813-11	FERRITE, EMI (SMD) (2012)		IC405	6-711-267-01	IC FMS6501MSA28X	
FB303	1-414-813-11	FERRITE, EMI (SMD) (2012)		IC406	6-711-267-01	IC FMS6501MSA28X	
FB304	1-414-813-11	FERRITE, EMI (SMD) (2012)		IC407	6-709-441-01	IC SI8008TM-TL	
FB305	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC408	6-709-441-01	IC SI8008TM-TL	
FB306	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC409	6-709-441-01	IC SI8008TM-TL	
FB307	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC410	6-708-913-01	IC TK73400AU3G0L-C	
FB4000	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC411	6-708-503-01	IC LTC3407EMSE-2#TR	
FB4001	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC413	6-704-004-01	IC BR24L16F-WE2	
FB4002	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2000	6-711-268-01	IC EL5370IUZ-T7	
FB4003	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2001	6-711-268-01	IC EL5370IUZ-T7	
FB4004	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2002	6-711-268-01	IC EL5370IUZ-T7	
FB4005	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2003	6-711-268-01	IC EL5370IUZ-T7	
FB4006	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2004	6-711-268-01	IC EL5370IUZ-T7	
FB4007	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2005	6-711-268-01	IC EL5370IUZ-T7	
FB4008	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2006	6-711-268-01	IC EL5370IUZ-T7	
FB4009	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2007	6-711-268-01	IC EL5370IUZ-T7	
FB4200	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2008	6-711-268-01	IC EL5370IUZ-T7	
FB4201	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2009	6-711-268-01	IC EL5370IUZ-T7	
FB4202	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2010	6-711-268-01	IC EL5370IUZ-T7	
FB4203	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2011	6-711-268-01	IC EL5370IUZ-T7	
FB4204	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC2012	6-700-394-01	IC BA25BC0FP-E2	
FB4205	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC4001	6-711-254-01	IC ADV7392BCPZ	
FB4206	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC4002	6-711-256-01	IC ADV7800BSTZ-80	
FB4207	1-469-324-21	FERRITE, EMI (SMD) (2012)		IC4003	6-711-263-01	IC HYB25DC128160CE-5	
				IC4191	8-759-596-29	IC SN74LV4066APWR	
				IC4201	6-711-254-01	IC ADV7392BCPZ	
				IC4202	6-711-256-01	IC ADV7800BSTZ-80	

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Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
IC4203	6-711-263-01	IC	HYB25DC128160CE-5				R326	1-216-833-11	METAL CHIP	10K	5%	1/10W	
IC4401	6-711-254-01	IC	ADV7392BCPZ				R327	1-216-809-11	METAL CHIP	100	5%	1/10W	
IC4402	6-711-256-01	IC	ADV7800BSTZ-80				R328	1-216-833-11	METAL CHIP	10K	5%	1/10W	
IC4403	6-711-263-01	IC	HYB25DC128160CE-5				R329	1-216-833-11	METAL CHIP	10K	5%	1/10W	
IC4601	6-711-254-01	IC	ADV7392BCPZ				R330	1-216-809-11	METAL CHIP	100	5%	1/10W	
							R331	1-216-833-11	METAL CHIP	10K	5%	1/10W	
IC4602	6-711-256-01	IC	ADV7800BSTZ-80				R332	1-216-821-11	METAL CHIP	1K	5%	1/10W	
IC4603	6-711-263-01	IC	HYB25DC128160CE-5				R333	1-216-821-11	METAL CHIP	1K	5%	1/10W	
< COIL >							R334	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R335	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L400	1-400-248-21	INDUCTOR	33uH				R336	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L402	1-400-248-21	INDUCTOR	33uH				R337	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L403	1-400-248-21	INDUCTOR	33uH				R338	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L404	1-481-074-21	INDUCTOR	2.2uH				R339	1-216-858-11	METAL CHIP	1.2M	5%	1/10W	
L405	1-481-074-21	INDUCTOR	2.2uH				R340	1-216-858-11	METAL CHIP	1.2M	5%	1/10W	
							R341	1-216-845-11	METAL CHIP	100K	5%	1/10W	
L4000	1-412-939-11	INDUCTOR	1uH				R342	1-216-845-11	METAL CHIP	100K	5%	1/10W	
L4001	1-412-939-11	INDUCTOR	1uH				R343	1-216-809-11	METAL CHIP	100	5%	1/10W	
L4004	1-469-842-21	INDUCTOR	0.47uH				R344	1-216-809-11	METAL CHIP	100	5%	1/10W	
L4200	1-412-939-11	INDUCTOR	1uH				R345	1-216-809-11	METAL CHIP	100	5%	1/10W	
L4201	1-412-939-11	INDUCTOR	1uH										
							R346	1-216-809-11	METAL CHIP	100	5%	1/10W	
L4204	1-469-842-21	INDUCTOR	0.47uH				R347	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L4400	1-412-939-11	INDUCTOR	1uH				R348	1-216-813-11	METAL CHIP	220	5%	1/10W	
L4401	1-412-939-11	INDUCTOR	1uH				R349	1-216-295-11	SHORT CHIP	0			
L4404	1-469-842-21	INDUCTOR	0.47uH				R350	1-216-845-11	METAL CHIP	100K	5%	1/10W	
L4600	1-412-939-11	INDUCTOR	1uH										
< TRANSISTOR >							R351	1-216-833-11	METAL CHIP	10K	5%	1/10W	
L4601	1-412-939-11	INDUCTOR	1uH				R352	1-216-295-11	SHORT CHIP	0			
L4604	1-469-842-21	INDUCTOR	0.47uH				R353	1-216-295-11	SHORT CHIP	0			
							R354	1-216-295-11	SHORT CHIP	0			
Q301	8-729-402-42	TRANSISTOR	UN5213				R355	1-216-849-11	METAL CHIP	220K	5%	1/10W	
< RESISTOR >							R356	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R357	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R300	1-216-809-11	METAL CHIP	100	5%	1/10W		R358	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R301	1-216-809-11	METAL CHIP	100	5%	1/10W		R359	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R302	1-216-809-11	METAL CHIP	100	5%	1/10W		R360	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R303	1-216-809-11	METAL CHIP	100	5%	1/10W								
R304	1-216-809-11	METAL CHIP	100	5%	1/10W		R361	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R362	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R305	1-216-809-11	METAL CHIP	100	5%	1/10W		R363	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R306	1-216-809-11	METAL CHIP	100	5%	1/10W		R364	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R307	1-216-809-11	METAL CHIP	100	5%	1/10W		R365	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R308	1-216-809-11	METAL CHIP	100	5%	1/10W								
R309	1-216-809-11	METAL CHIP	100	5%	1/10W		R366	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R367	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R310	1-216-809-11	METAL CHIP	100	5%	1/10W		R368	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R311	1-216-809-11	METAL CHIP	100	5%	1/10W		R369	1-218-907-11	METAL CHIP	330K	0.5%	1/10W	
R312	1-216-809-11	METAL CHIP	100	5%	1/10W		R370	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R313	1-216-809-11	METAL CHIP	100	5%	1/10W								
R314	1-216-809-11	METAL CHIP	100	5%	1/10W		R371	1-216-863-11	METAL CHIP	3.3M	5%	1/10W	
							R372	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R315	1-216-809-11	METAL CHIP	100	5%	1/10W		R373	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R316	1-216-809-11	METAL CHIP	100	5%	1/10W		R374	1-216-809-11	METAL CHIP	100	5%	1/10W	
R317	1-216-809-11	METAL CHIP	100	5%	1/10W		R375	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R318	1-216-809-11	METAL CHIP	100	5%	1/10W								
R319	1-216-809-11	METAL CHIP	100	5%	1/10W		R376	1-216-833-11	METAL CHIP	10K	5%	1/10W	
							R377	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R320	1-216-809-11	METAL CHIP	100	5%	1/10W		R378	1-216-809-11	METAL CHIP	100	5%	1/10W	
R321	1-216-809-11	METAL CHIP	100	5%	1/10W		R380	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R322	1-216-809-11	METAL CHIP	100	5%	1/10W		R381	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R323	1-216-809-11	METAL CHIP	100	5%	1/10W								
R324	1-216-845-11	METAL CHIP	100K	5%	1/10W		R382	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
							R383	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	
R325	1-216-813-11	METAL CHIP	220	5%	1/10W		R384	1-216-833-11	METAL CHIP	10K	5%	1/10W	

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2122	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4025	1-216-803-11	METAL CHIP	33	5%	1/10W
R2123	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4026	1-216-803-11	METAL CHIP	33	5%	1/10W
R2124	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4027	1-216-803-11	METAL CHIP	33	5%	1/10W
R2125	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4028	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2126	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4030	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2132	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4031	1-216-803-11	METAL CHIP	33	5%	1/10W
R2133	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4032	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2134	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4033	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R2135	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4034	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R2136	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4035	1-216-801-11	METAL CHIP	22	5%	1/10W
R2137	1-211-986-11	METAL CHIP	51	0.5%	1/10W	R4036	1-216-801-11	METAL CHIP	22	5%	1/10W
R2138	1-216-864-11	SHORT CHIP	0			R4037	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2139	1-216-864-11	SHORT CHIP	0			R4038	1-216-803-11	METAL CHIP	33	5%	1/10W
R2140	1-216-864-11	SHORT CHIP	0			R4039	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2141	1-216-864-11	SHORT CHIP	0			R4040	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2142	1-216-864-11	SHORT CHIP	0			R4041	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2143	1-216-864-11	SHORT CHIP	0			R4042	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2144	1-216-864-11	SHORT CHIP	0			R4043	1-216-803-11	METAL CHIP	33	5%	1/10W
R2145	1-216-864-11	SHORT CHIP	0			R4044	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R2146	1-216-864-11	SHORT CHIP	0			R4045	1-216-803-11	METAL CHIP	33	5%	1/10W
R2147	1-216-864-11	SHORT CHIP	0			R4048	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R2148	1-216-864-11	SHORT CHIP	0			R4049	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2149	1-216-864-11	SHORT CHIP	0			R4050	1-216-803-11	METAL CHIP	33	5%	1/10W
R2150	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4051	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2151	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4052	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R2152	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4053	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R2153	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4054	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R2154	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4057	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2155	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4058	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2156	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4059	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2157	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4067	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2158	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4068	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2159	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4069	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R2160	1-218-847-11	METAL CHIP	1K	0.5%	1/10W	R4118	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R4000	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4191	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4001	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4192	1-216-821-11	METAL CHIP	1K	5%	1/10W
R4002	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4200	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4003	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4201	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4004	1-216-840-11	METAL CHIP	510	0.5%	1/10W	R4202	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4005	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4203	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4006	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4204	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R4007	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4205	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4009	1-211-991-11	METAL CHIP	82	0.5%	1/10W	R4206	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4010	1-216-812-11	METAL CHIP	180	5%	1/10W	R4207	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4011	1-216-801-11	METAL CHIP	22	5%	1/10W	R4209	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R4012	1-216-801-11	METAL CHIP	22	5%	1/10W	R4210	1-216-812-11	METAL CHIP	180	5%	1/10W
R4013	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4211	1-216-801-11	METAL CHIP	22	5%	1/10W
R4014	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4212	1-216-801-11	METAL CHIP	22	5%	1/10W
R4015	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4213	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4016	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4214	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4017	1-216-803-11	METAL CHIP	33	5%	1/10W	R4215	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4018	1-216-803-11	METAL CHIP	33	5%	1/10W	R4216	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4019	1-218-823-11	METAL CHIP	100	0.5%	1/10W	R4217	1-216-803-11	METAL CHIP	33	5%	1/10W
R4020	1-216-803-11	METAL CHIP	33	5%	1/10W	R4218	1-216-803-11	METAL CHIP	33	5%	1/10W
R4021	1-216-803-11	METAL CHIP	33	5%	1/10W	R4219	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R4022	1-216-803-11	METAL CHIP	33	5%	1/10W	R4220	1-216-803-11	METAL CHIP	33	5%	1/10W
R4023	1-216-803-11	METAL CHIP	33	5%	1/10W	R4221	1-216-803-11	METAL CHIP	33	5%	1/10W
R4024	1-216-803-11	METAL CHIP	33	5%	1/10W	R4222	1-216-803-11	METAL CHIP	33	5%	1/10W

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R4223	1-216-803-11	METAL CHIP	33	5%	1/10W	R4423	1-216-803-11	METAL CHIP	33	5%	1/10W
R4224	1-216-803-11	METAL CHIP	33	5%	1/10W	R4424	1-216-803-11	METAL CHIP	33	5%	1/10W
R4225	1-216-803-11	METAL CHIP	33	5%	1/10W	R4425	1-216-803-11	METAL CHIP	33	5%	1/10W
R4226	1-216-803-11	METAL CHIP	33	5%	1/10W	R4426	1-216-803-11	METAL CHIP	33	5%	1/10W
R4227	1-216-803-11	METAL CHIP	33	5%	1/10W	R4427	1-216-803-11	METAL CHIP	33	5%	1/10W
R4228	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4428	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4230	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R4430	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R4231	1-216-803-11	METAL CHIP	33	5%	1/10W	R4431	1-216-803-11	METAL CHIP	33	5%	1/10W
R4232	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R4432	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R4233	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R4433	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4234	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W	R4434	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R4235	1-216-801-11	METAL CHIP	22	5%	1/10W	R4435	1-216-801-11	METAL CHIP	22	5%	1/10W
R4236	1-216-801-11	METAL CHIP	22	5%	1/10W	R4436	1-216-801-11	METAL CHIP	22	5%	1/10W
R4237	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4437	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4238	1-216-803-11	METAL CHIP	33	5%	1/10W	R4438	1-216-803-11	METAL CHIP	33	5%	1/10W
R4239	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4439	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4240	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4440	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4241	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4441	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4242	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4442	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4243	1-216-803-11	METAL CHIP	33	5%	1/10W	R4443	1-216-803-11	METAL CHIP	33	5%	1/10W
R4244	1-218-827-11	METAL CHIP	150	0.5%	1/10W	R4444	1-218-827-11	METAL CHIP	150	0.5%	1/10W
R4245	1-216-803-11	METAL CHIP	33	5%	1/10W	R4445	1-216-803-11	METAL CHIP	33	5%	1/10W
R4248	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R4448	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R4249	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4449	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4250	1-216-803-11	METAL CHIP	33	5%	1/10W	R4450	1-216-803-11	METAL CHIP	33	5%	1/10W
R4251	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4451	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4252	1-218-881-11	METAL CHIP	27K	0.5%	1/10W	R4452	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R4253	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R4453	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R4254	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R4454	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R4257	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R4457	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R4258	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R4458	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R4259	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R4459	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R4267	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R4467	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R4268	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R4468	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R4269	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R4469	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R4318	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R4518	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R4400	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4600	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4401	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4601	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4402	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4602	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4403	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4603	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4404	1-218-840-11	METAL CHIP	510	0.5%	1/10W	R4604	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R4405	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4605	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4406	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4606	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4407	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4607	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4409	1-211-991-11	METAL CHIP	82	0.5%	1/10W	R4609	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R4410	1-216-812-11	METAL CHIP	180	5%	1/10W	R4610	1-216-812-11	METAL CHIP	180	5%	1/10W
R4411	1-216-801-11	METAL CHIP	22	5%	1/10W	R4611	1-216-801-11	METAL CHIP	22	5%	1/10W
R4412	1-216-801-11	METAL CHIP	22	5%	1/10W	R4612	1-216-801-11	METAL CHIP	22	5%	1/10W
R4413	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4613	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4414	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4614	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4415	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4615	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4416	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R4616	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R4417	1-216-803-11	METAL CHIP	33	5%	1/10W	R4617	1-216-803-11	METAL CHIP	33	5%	1/10W
R4418	1-216-803-11	METAL CHIP	33	5%	1/10W	R4618	1-216-803-11	METAL CHIP	33	5%	1/10W
R4419	1-218-823-11	METAL CHIP	100	0.5%	1/10W	R4619	1-218-823-11	METAL CHIP	100	0.5%	1/10W
R4420	1-216-803-11	METAL CHIP	33	5%	1/10W	R4620	1-216-803-11	METAL CHIP	33	5%	1/10W
R4421	1-216-803-11	METAL CHIP	33	5%	1/10W	R4621	1-216-803-11	METAL CHIP	33	5%	1/10W
R4422	1-216-803-11	METAL CHIP	33	5%	1/10W	R4622	1-216-803-11	METAL CHIP	33	5%	1/10W

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark
R4623	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4206	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4624	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4207	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4625	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4208	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4626	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4209	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4627	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4210	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)	
R4628	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4211	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4630	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	RB4212	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4631	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4213	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4632	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	RB4400	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4633	1-218-827-11	METAL CHIP	150	0.5%	1/10W	RB4401	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4634	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W	RB4402	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4635	1-216-801-11	METAL CHIP	22	5%	1/10W	RB4403	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4636	1-216-801-11	METAL CHIP	22	5%	1/10W	RB4404	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4637	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4405	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4638	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4406	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4639	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4407	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4640	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4408	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4641	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4409	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4642	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4410	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)	
R4643	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4411	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4644	1-218-827-11	METAL CHIP	150	0.5%	1/10W	RB4412	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4645	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4413	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4648	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	RB4600	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4649	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4601	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4650	1-216-803-11	METAL CHIP	33	5%	1/10W	RB4602	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4651	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	RB4603	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4652	1-218-881-11	METAL CHIP	27K	0.5%	1/10W	RB4604	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4653	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	RB4605	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4654	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	RB4606	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4657	1-211-990-11	METAL CHIP	75	0.5%	1/10W	RB4607	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4658	1-211-990-11	METAL CHIP	75	0.5%	1/10W	RB4608	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4659	1-211-990-11	METAL CHIP	75	0.5%	1/10W	RB4609	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4667	1-211-990-11	METAL CHIP	75	0.5%	1/10W	RB4610	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)	
R4668	1-211-990-11	METAL CHIP	75	0.5%	1/10W	RB4611	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4669	1-211-990-11	METAL CHIP	75	0.5%	1/10W	RB4612	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
R4718	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	RB4613	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)	
< NETWORK RESISTOR >						< THERMISTOR (POSITIVE) >			
RB4000	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4001	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4002	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4003	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4004	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4005	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4006	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4007	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4008	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4009	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4010	1-234-524-21	RES, CHIP NETWORK 33X4 (3216)							
RB4011	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4012	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4013	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4200	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4201	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4202	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4203	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4204	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							
RB4205	1-233-418-11	RES, CHIP NETWORK 3.3KX4 (3216)							

						TH2000	1-805-868-11	THERMISTOR, POSITIVE	
						< VIBRATOR >			
						X301	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)	
						X4001	1-795-470-21	QUARTZ CRYSTAL UNIT (28.63636MHz)	
						X4201	1-795-470-21	QUARTZ CRYSTAL UNIT (28.63636MHz)	
						X4401	1-795-470-21	QUARTZ CRYSTAL UNIT (28.63636MHz)	
						X4601	1-795-470-21	QUARTZ CRYSTAL UNIT (28.63636MHz)	

CAV-CVS12ES

P-SW **REAR-SW** **VIDEO1**

Ref. No.	Part No.	Description			Remark
P-SW BOARD					

< CAPACITOR >					
△ C901	1-112-887-51	CERAMIC	0.01uF	20%	250V
△ C902	1-112-887-51	CERAMIC	0.01uF	20%	250V
< CONNECTOR >					
CN901	1-691-961-11	PIN, CONNECTOR (PC BOARD) 3P			
< SWITCH >					
△ S901	1-798-079-11	SWITCH, PUSH (AC POWER) (POWER)			

REAR-SW BOARD					

< CAPACITOR >					
C251	1-126-204-11	ELECT CHIP	47uF	20%	16V
C252	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
< CONNECTOR >					
CN250	1-820-117-41	CONNECTOR, FFC/FPC 19P			
< RESISTOR >					
R251	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R252	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R253	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R254	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R256	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R257	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R258	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R259	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R261	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R262	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R263	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R264	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R266	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R267	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R268	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R269	1-216-065-11	RES-CHIP	4.7K	5%	1/10W
R270	1-216-073-11	RES-CHIP	10K	5%	1/10W
R271	1-216-073-11	RES-CHIP	10K	5%	1/10W
R272	1-216-073-11	RES-CHIP	10K	5%	1/10W
R273	1-216-073-11	RES-CHIP	10K	5%	1/10W
R274	1-216-073-11	RES-CHIP	10K	5%	1/10W
R275	1-216-073-11	RES-CHIP	10K	5%	1/10W
R276	1-216-073-11	RES-CHIP	10K	5%	1/10W
R277	1-216-073-11	RES-CHIP	10K	5%	1/10W
R278	1-216-073-11	RES-CHIP	10K	5%	1/10W
R279	1-216-073-11	RES-CHIP	10K	5%	1/10W
R280	1-216-073-11	RES-CHIP	10K	5%	1/10W
R281	1-216-073-11	RES-CHIP	10K	5%	1/10W
R282	1-216-073-11	RES-CHIP	10K	5%	1/10W
R283	1-216-073-11	RES-CHIP	10K	5%	1/10W
R284	1-216-073-11	RES-CHIP	10K	5%	1/10W
R285	1-216-073-11	RES-CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description	Remark			
< SWITCH >						
S251	1-798-080-11	SWITCH, ROTARY (SOURCE 9 ASSIGNABLE S9)				
S252	1-798-080-11	SWITCH, ROTARY (SOURCE 10 ASSIGNABLE S10)				
S253	1-798-080-11	SWITCH, ROTARY (SOURCE 11 ASSIGNABLE S11)				
S254	1-798-080-11	SWITCH, ROTARY (SOURCE 12 ASSIGNABLE S12)				

A-1258-966-A		VIDEO1 BOARD, COMPLETE				

< CAPACITOR >						
C602	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C604	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C606	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C607	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C608	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C610	1-126-916-11	ELECT	1000uF	20%	6.3V	
C611	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C612	1-126-916-11	ELECT	1000uF	20%	6.3V	
C613	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C614	1-126-916-11	ELECT	1000uF	20%	6.3V	
C617	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C619	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C621	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C622	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C623	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C625	1-126-916-11	ELECT	1000uF	20%	6.3V	
C626	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C627	1-126-916-11	ELECT	1000uF	20%	6.3V	
C628	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C629	1-126-916-11	ELECT	1000uF	20%	6.3V	
C632	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C634	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C636	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C637	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C638	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C640	1-126-916-11	ELECT	1000uF	20%	6.3V	
C641	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C642	1-126-916-11	ELECT	1000uF	20%	6.3V	
C643	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C644	1-126-916-11	ELECT	1000uF	20%	6.3V	
C647	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C649	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C651	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C652	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C653	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C655	1-126-916-11	ELECT	1000uF	20%	6.3V	
C656	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C657	1-126-916-11	ELECT	1000uF	20%	6.3V	
C658	1-163-038-11	CERAMIC CHIP	0.1uF		25V	
C659	1-126-916-11	ELECT	1000uF	20%	6.3V	
C662	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C664	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C666	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C667	1-128-991-21	ELECT CHIP	10uF	20%	50V	
C668	1-163-038-11	CERAMIC CHIP	0.1uF		25V	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C670	1-126-916-11	ELECT	1000uF 20% 6.3V	C749	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V
C671	1-163-038-11	CERAMIC CHIP	0.1uF 25V			< IC >	
C672	1-126-916-11	ELECT	1000uF 20% 6.3V	IC601	6-707-341-01	IC NJM2580M(Te2)	
C673	1-163-038-11	CERAMIC CHIP	0.1uF 25V	IC602	6-707-341-01	IC NJM2580M(Te2)	
C674	1-126-916-11	ELECT	1000uF 20% 6.3V	IC603	6-707-341-01	IC NJM2580M(Te2)	
C677	1-128-991-21	ELECT CHIP	10uF 20% 50V	IC604	6-707-341-01	IC NJM2580M(Te2)	
C679	1-128-991-21	ELECT CHIP	10uF 20% 50V	IC605	6-707-341-01	IC NJM2580M(Te2)	
C681	1-128-991-21	ELECT CHIP	10uF 20% 50V	IC606	6-707-341-01	IC NJM2580M(Te2)	
C682	1-128-991-21	ELECT CHIP	10uF 20% 50V	IC607	6-707-341-01	IC NJM2580M(Te2)	
C683	1-163-038-11	CERAMIC CHIP	0.1uF 25V	IC608	6-707-341-01	IC NJM2580M(Te2)	
C685	1-126-916-11	ELECT	1000uF 20% 6.3V			< JACK >	
C686	1-163-038-11	CERAMIC CHIP	0.1uF 25V	J601	1-821-204-11	JACK, PIN 9P (SOURCE 1 OUT,	
C687	1-126-916-11	ELECT	1000uF 20% 6.3V			SOURCE 2 IN/OUT)	
C688	1-163-038-11	CERAMIC CHIP	0.1uF 25V	J602	1-821-204-11	JACK, PIN 9P (SOURCE 3 IN/OUT,	
C689	1-126-916-11	ELECT	1000uF 20% 6.3V			SOURCE 4 IN)	
C692	1-128-991-21	ELECT CHIP	10uF 20% 50V	J603	1-821-204-11	JACK, PIN 9P (SOURCE 4 OUT,	
C694	1-128-991-21	ELECT CHIP	10uF 20% 50V			SOURCE 5 IN/OUT)	
C696	1-128-991-21	ELECT CHIP	10uF 20% 50V	J604	1-821-204-11	JACK, PIN 9P (SOURCE 6 IN/OUT,	
C697	1-128-991-21	ELECT CHIP	10uF 20% 50V			SOURCE 7 IN)	
C698	1-163-038-11	CERAMIC CHIP	0.1uF 25V	J605	1-821-204-11	JACK, PIN 9P (SOURCE 7 OUT,	
C700	1-126-916-11	ELECT	1000uF 20% 6.3V			SOURCE 8 IN/OUT)	
C701	1-163-038-11	CERAMIC CHIP	0.1uF 25V	J606	1-821-215-11	JACK, PIN 3P (SOURCE 1 IN)	
C702	1-126-916-11	ELECT	1000uF 20% 6.3V			< RESISTOR >	
C703	1-163-038-11	CERAMIC CHIP	0.1uF 25V	R599	1-216-864-11	SHORT CHIP	0
C704	1-126-916-11	ELECT	1000uF 20% 6.3V	R600	1-216-864-11	SHORT CHIP	0
C707	1-128-991-21	ELECT CHIP	10uF 20% 50V	R601	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C709	1-128-991-21	ELECT CHIP	10uF 20% 50V	R602	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C711	1-128-991-21	ELECT CHIP	10uF 20% 50V	R603	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C712	1-128-991-21	ELECT CHIP	10uF 20% 50V	R604	1-216-864-11	SHORT CHIP	0
C713	1-163-038-11	CERAMIC CHIP	0.1uF 25V	R606	1-216-864-11	SHORT CHIP	0
C715	1-126-916-11	ELECT	1000uF 20% 6.3V	R608	1-216-864-11	SHORT CHIP	0
C716	1-163-038-11	CERAMIC CHIP	0.1uF 25V	R610	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C717	1-126-916-11	ELECT	1000uF 20% 6.3V	R611	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
C718	1-163-038-11	CERAMIC CHIP	0.1uF 25V	R612	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C719	1-126-916-11	ELECT	1000uF 20% 6.3V	R613	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
C720	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R614	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C721	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R615	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
C722	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R616	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C723	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R617	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C724	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R618	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C725	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R619	1-216-864-11	SHORT CHIP	0
C726	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R621	1-216-864-11	SHORT CHIP	0
C727	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R623	1-216-864-11	SHORT CHIP	0
C728	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R625	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C729	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R626	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
C730	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R627	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C731	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R628	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
C732	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R629	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C733	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R630	1-218-871-11	METAL CHIP	10K 0.5% 1/10W
C740	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R631	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C741	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R632	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C742	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R633	1-211-990-11	METAL CHIP	75 0.5% 1/10W
C743	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R634	1-216-864-11	SHORT CHIP	0
C744	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R636	1-216-864-11	SHORT CHIP	0
C745	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V	R638	1-216-864-11	SHORT CHIP	0
C746	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V				
C747	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V				
C748	1-110-530-11	ELECT CHIP	1000uF 20% 6.3V				

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R640	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R711	1-216-864-11	SHORT CHIP	0		
R641	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R713	1-216-864-11	SHORT CHIP	0		
R642	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R715	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R643	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R716	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R644	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R717	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R645	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R718	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R646	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R719	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R647	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R720	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R648	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R721	1-216-857-11	METAL CHIP	1M	5%	1/10W
R649	1-216-864-11	SHORT CHIP	0			R722	1-216-857-11	METAL CHIP	1M	5%	1/10W
R651	1-216-864-11	SHORT CHIP	0			R723	1-216-857-11	METAL CHIP	1M	5%	1/10W
R653	1-216-864-11	SHORT CHIP	0			R724	1-216-857-11	METAL CHIP	1M	5%	1/10W
R655	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R725	1-216-864-11	SHORT CHIP	0		
R656	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R726	1-216-864-11	SHORT CHIP	0		
R657	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R727	1-216-864-11	SHORT CHIP	0		
R658	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R728	1-216-864-11	SHORT CHIP	0		
R659	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R729	1-216-864-11	SHORT CHIP	0		
R660	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R730	1-216-857-11	METAL CHIP	1M	5%	1/10W
R661	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R731	1-216-857-11	METAL CHIP	1M	5%	1/10W
R662	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R732	1-216-857-11	METAL CHIP	1M	5%	1/10W
R663	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R733	1-216-857-11	METAL CHIP	1M	5%	1/10W
R664	1-216-864-11	SHORT CHIP	0			R734	1-216-857-11	METAL CHIP	1M	5%	1/10W
R666	1-216-864-11	SHORT CHIP	0			R735	1-216-857-11	METAL CHIP	1M	5%	1/10W
R668	1-216-864-11	SHORT CHIP	0			R736	1-216-857-11	METAL CHIP	1M	5%	1/10W
R670	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R737	1-216-857-11	METAL CHIP	1M	5%	1/10W
R671	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R738	1-216-857-11	METAL CHIP	1M	5%	1/10W
R672	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R739	1-216-857-11	METAL CHIP	1M	5%	1/10W
R673	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R740	1-216-857-11	METAL CHIP	1M	5%	1/10W
R674	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R741	1-216-857-11	METAL CHIP	1M	5%	1/10W
R675	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R742	1-216-857-11	METAL CHIP	1M	5%	1/10W
R676	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R743	1-216-857-11	METAL CHIP	1M	5%	1/10W
R677	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R744	1-216-857-11	METAL CHIP	1M	5%	1/10W
R678	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R745	1-216-857-11	METAL CHIP	1M	5%	1/10W
R679	1-216-864-11	SHORT CHIP	0			R746	1-216-857-11	METAL CHIP	1M	5%	1/10W
R681	1-216-864-11	SHORT CHIP	0			R747	1-216-857-11	METAL CHIP	1M	5%	1/10W
R683	1-216-864-11	SHORT CHIP	0			R748	1-216-857-11	METAL CHIP	1M	5%	1/10W
R685	1-211-990-11	METAL CHIP	75	0.5%	1/10W	R749	1-216-857-11	METAL CHIP	1M	5%	1/10W
R686	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	R750	1-216-864-11	SHORT CHIP	0		
R687	1-211-990-11	METAL CHIP	75	0.5%	1/10W	*****					
R688	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	A-1258-967-A VIDEO2 BOARD, COMPLETE					
R689	1-211-990-11	METAL CHIP	75	0.5%	1/10W	*****					
R690	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	< CAPACITOR >					
R691	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C751	1-107-906-11	ELECT	10uF	20%	50V
R692	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C752	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R693	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C754	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
R694	1-216-864-11	SHORT CHIP	0			C755	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
R696	1-216-864-11	SHORT CHIP	0			C756	1-107-906-11	ELECT	10uF	20%	50V
R698	1-216-864-11	SHORT CHIP	0			C757	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R700	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C759	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
R701	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	C760	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
R702	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C761	1-107-906-11	ELECT	10uF	20%	50V
R703	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	C762	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R704	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C764	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
R705	1-218-871-11	METAL CHIP	10K	0.5%	1/10W	C765	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
R706	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C766	1-107-906-11	ELECT	10uF	20%	50V
R707	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C767	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R708	1-211-990-11	METAL CHIP	75	0.5%	1/10W	C769	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
R709	1-216-864-11	SHORT CHIP	0								

Ref. No.	Part No.	Description	Remark		
C770	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
C780	1-110-530-11	ELECT CHIP	1000uF	20%	6.3V
< CONNECTOR >					
CN750	1-774-729-21	PIN, CONNECTOR (PC BOARD) 10P			
< IC >					
IC751	6-803-031-01	IC NJM2268D			
IC752	6-803-031-01	IC NJM2268D			
IC753	6-803-031-01	IC NJM2268D			
IC754	6-803-031-01	IC NJM2268D			
< JACK >					
J751	1-821-203-11	JACK, PIN 2P (SOURCE 9 IN/OUT)			
J752	1-821-203-11	JACK, PIN 2P (SOURCE 10 IN/OUT)			
J753	1-821-203-11	JACK, PIN 2P (SOURCE 11 IN/OUT)			
J754	1-821-203-11	JACK, PIN 2P (SOURCE 12 IN/OUT)			
< RESISTOR >					
R752	1-218-285-11	METAL CHIP	75	5%	1/10W
R753	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R754	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R756	1-216-857-11	METAL CHIP	1M	5%	1/10W
R757	1-218-285-11	METAL CHIP	75	5%	1/10W
R758	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R759	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R761	1-216-857-11	METAL CHIP	1M	5%	1/10W
R762	1-218-285-11	METAL CHIP	75	5%	1/10W
R763	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R764	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R766	1-216-857-11	METAL CHIP	1M	5%	1/10W
R767	1-218-285-11	METAL CHIP	75	5%	1/10W
R768	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R769	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R771	1-216-857-11	METAL CHIP	1M	5%	1/10W
R772	1-216-864-11	SHORT CHIP	0		
R777	1-216-864-11	SHORT CHIP	0		
R782	1-216-864-11	SHORT CHIP	0		
R787	1-216-864-11	SHORT CHIP	0		

232C-IR BOARD					

< CAPACITOR >					
C200	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C201	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C202	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C203	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C204	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C205	1-126-933-11	ELECT	100uF	20%	16V
C210	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C211	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C212	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C213	1-164-360-11	CERAMIC CHIP	0.1uF		16V
C214	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C215	1-126-933-11	ELECT	100uF	20%	16V
C221	1-100-158-11	CERAMIC CHIP	0.001uF	5%	100V
C224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description	Remark		
C225	1-114-250-21	ELECT CHIP	150uF	20%	16V
C335	1-112-791-11	ELECT CHIP	100uF	20%	16V
C336	1-112-791-11	ELECT CHIP	100uF	20%	16V
C337	1-100-395-21	TANTAL. CHIP	330uF	20%	6.3V
< CONNECTOR >					
CN201	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C AUX)			
CN202	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C CAV)			
< DIODE >					
DQ401	8-719-210-43	DIODE	EC10QS-06		
< IC >					
IC201	6-705-514-01	IC	MAX3222IPWR		
IC202	6-705-514-01	IC	MAX3222IPWR		
IC400	6-700-850-01	IC	SI-8050JD-TP		
< JACK >					
J220	1-563-330-11	JACK (IR REMOTE IN)			
< COIL >					
L401	1-400-247-21	COIL, CHOKE	68uH		
< RESISTOR >					
R200	1-216-809-11	METAL CHIP	100	5%	1/10W
R201	1-216-809-11	METAL CHIP	100	5%	1/10W
R202	1-216-295-11	SHORT CHIP	0		
R210	1-216-809-11	METAL CHIP	100	5%	1/10W
R211	1-216-809-11	METAL CHIP	100	5%	1/10W
R221	1-216-821-11	METAL CHIP	1K	5%	1/10W

MISCELLANEOUS					

56	1-828-289-11	WIRE (FLAT TYPE) (5 CORE)			
102	1-828-359-11	WIRE (FLAT TYPE) (19 CORE)			
△ 104	1-468-895-11	REGULATOR, SWITCHING			

ACCESSORIES					

△	1-824-964-12	CORD, POWER			
	3-198-136-11	MANUAL, INSTRUCTION (ENGLISH)			
	A-1313-713-A	BRACKET (RACK) ASSY			

REVISION HISTORY

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