

STR-DE1075

SERVICE MANUAL

Ver 1.2 2001.11

US Model
Canadian Model



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

* Manufactured under license from Dolby Laboratories.

“Dolby”, “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories.

** “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output (US model only).

Amplifier section

POWER OUTPUT

Rated Power Output at Stereo Mode

(8 ohms 20 Hz – 20 kHz, THD 0.09 %)
100 W + 100 W

Reference Power Output

(8 ohms 1 kHz, THD 0.7 %)
FRONT¹⁾: 100 W + 100 W
CENTER¹⁾: 100 W
SURR¹⁾: 100 W + 100 W
SURR BACK¹⁾: 100 W

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

Frequency response

PHONO	RIAA equalization curve ±0.5 dB
-------	------------------------------------

CD/SACD, TAPE, MD/DAT, TV/SAT, DVD/LD, VIDEO 1, 2, 3	10 Hz – 100 kHz ±3 dB (with sound field, equalizer, and bass boost bypassed)
---	---

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kilohms S/N ²⁾ : 86 dB (A, 2.5 mV ³⁾)
-------	--

MULTI CH IN (1, 2), CD/SACD, TAPE, MD/DAT, DVD/LD, TV/SAT, VIDEO 1, 2, 3	Sensitivity: 150 mV Impedance: 50 kilohms S/N ²⁾ : 96 dB (A, 150 mV ³⁾)
--	---

2) INPUT SHORT.

3) Weighted network, input level.

– Continued on next page –

FM STEREO/FM-AM RECEIVER

9-873-841-13

2001K0500-1

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Sony Corporation

Home Audio Company

Published by Sony Engineering Corporation

SONY®

STR-DE1075

Inputs (Digital)	
DVD/LD (Coaxial)	Sensitivity: – Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
DVD/LD, TV/SAT, MD/DAT (Optical)	Sensitivity: – Impedance: – S/N: 100 dB (A, 20 kHz LPF)
Outputs	
TAPE, MD/DAT (REC OUT), VIDEO 1, 2 (AUDIO OUT)	Voltage: 150 mV Impedance: 2.2 kilohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK, SUB WOOFER	Voltage: 2 V Impedance: 2.2 kilohms
EQ	
BASS:	99 Hz~1.0 kHz (21 steps)
MID:	198 Hz~10 kHz (37 steps)
TREBLE:	1.0 kHz~10 kHz (23 steps)
Gain levels:	±10 dB, 1 dB step
FM tunersection	
Tuning range	87.5 - 108.0 MHz
Antenna terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 μV/75 ohms
Stereo:	38.3 dBf, 22.5 μV/75 ohms
Usable sensitivity	11.2 dBf, 1 μV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/–2 dB
Selectivity	60 dB at 400 kHz

AM tuner section	
Tuning range	
With 10-kHz tuning scale:	530 – 1.710 kHz ⁴⁾
With 9-kHz tuning scale:	531 – 1.710 kHz ⁴⁾
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5 % (50 mV/m, 400 kHz)
Selectivity	
At 9 kHz:	35 dB
At 10 kHz:	40 dB
4) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. Hold down TUNING – and press I/⏏. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.	
Video section	
Inputs	
Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
Outputs	
Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
General	
Power requirements	120 V AC, 60 Hz
Power consumption	300 W (US model) 375 VA (Canadian model)
AC outlets	2 switched, 120 W/1A
Dimensions	430 × 161 × 401 mm including projecting parts and controls
Mass (Approx.)	16.0 kg
Supplied accessories	
FM wire antenna (1)	
AM loop antenna (1)	
Audio/video/control S connecting cord (1)	
Control S connecting cord (1)	
Remote commander RM-PP505L (1)	
R6 (size-AA) batteries (2)	

Design and specifications are subject to change without notice.

Notes on chip component replacement

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

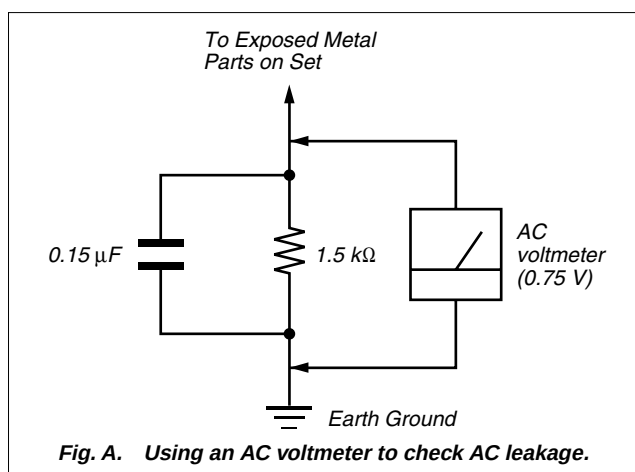
SAFETY CHECK-OUT

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

LEAKAGE TEST

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

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

**SAFETY-RELATED COMPONENT WARNING!!**

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

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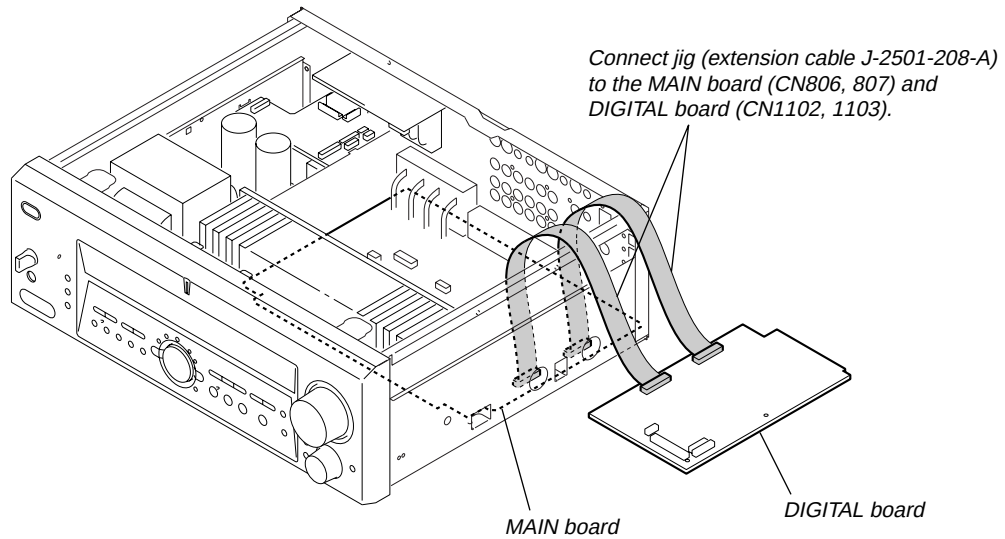
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SECTION 1

SERVICING NOTES

SERVICE POSITION

In checking the DIGITAL board, prepare jig (extension cable J-2501-208-A: 200 mm 21 core).

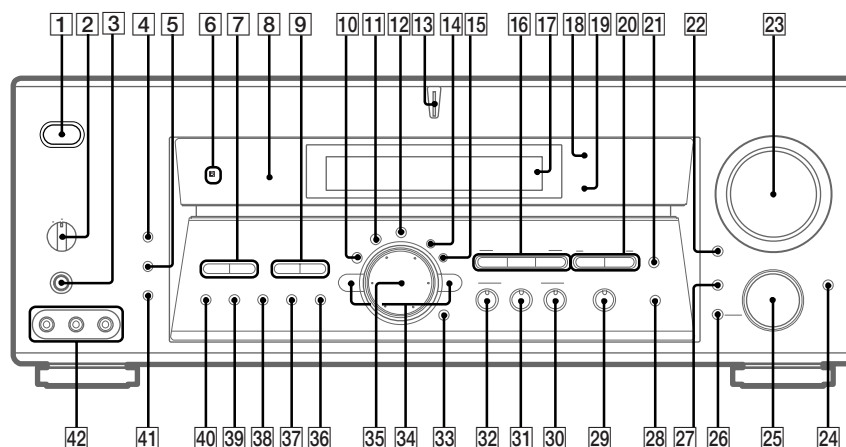


SECTION 2 GENERAL

This section is extracted from instruction manual.

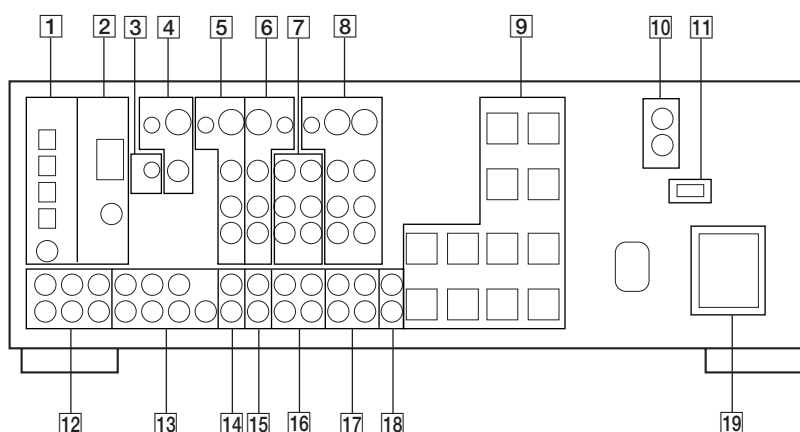
LOCATION OF CONTROLS

– Front Panel –



- | | | |
|---|---|---------------------------------------|
| 2ND ROOM 24 (25) | ENTER 33 (38) | MUTING 22 (24) |
| 6.1CH DECODING 21 (29) | EQ 10 (34) | NAME 15 (38) |
| 6.1CH DECODING indicator 19 (29) | EQUALIZER 28 (34) | ON SCREEN 41 (8) |
| AM 36 (36) | FM 37 (36) | PHONES jack 3 (24) |
| CINEMA STUDIO EX A-C 16 (26) | FM MODE 38 (36) | PRESET TUNING +/- 7 (37) |
| DIGITAL CONCERT HALL A, B 20 (27) | FUNCTION 25 (22, 23, 36-38) | SET UP 14 (17, 40) |
| Cursor buttons (</>) 34 (17, 31, 33, 34, 38, 40) | INPUT MODE 27 (23) | SHIFT 39 (37) |
| Digital Cinema Sound indicator 18 (26) | IR receptor 6 | SOUND FIELD 2CH 30 (28) |
| DIMMER 5 (25) | Jog dial 35 (17, 31, 33, 34, 38, 40) | SOUND FIELD A.F.D. 32 (28) |
| DIMMER indicator 8 (25) | LEVEL 12 (33) | SOUND FIELD MODE 31 (26, 35) |
| Display 17 (30) | MASTER VOLUME 23 (21, 24) | SPEAKERS switch 2 (24) |
| DISPLAY 4 (25) | MEMORY 40 (37) | SURR 11 (31) |
| | MODE 26 (23) | TUNING +/- 9 (36) |
| | MULTI /2CH A. DIRECT 29 (24, 28) | VIDEO 3 INPUT jacks 42 (8) |
| | MULTI CHANNEL DECODING indicator 13 | I/⏻ (power) 1 (16, 21, 22, 35) |

– Rear Panel –

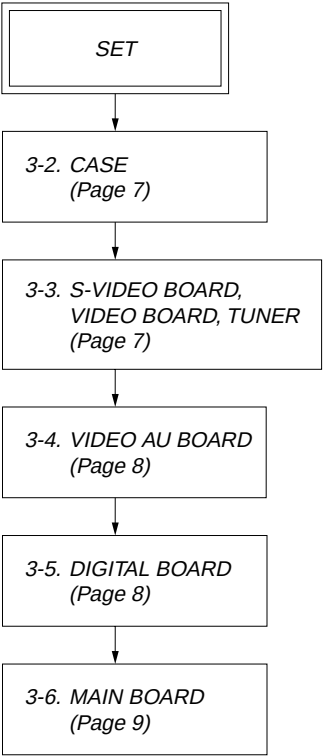


- | | | |
|-----------------------------|------------------------------|-------------------------|
| 1 DIGITAL jack | 8 VIDEO 1 jack | 14 PHONO jack |
| 2 ANTENNA terminal | 9 SPEAKERS terminal | 15 CD/SACD jack |
| 3 CONTROL A1 II jack | 10 AUDIO OUT jack | 16 MD/DAT jack |
| 4 MONITOR jack | 11 INPEDANCE SELECTOR | 17 TAPE jack |
| 5 TV/SAT jack | 12 MULTI CH IN 2 jack | 18 2ND ROOM jack |
| 6 DVD/LD jack | 13 MULTI CH IN 1 jack | 19 AC OUTLET |
| 7 VIDEO 2 jack | | |

SECTION 3
DISASSEMBLY

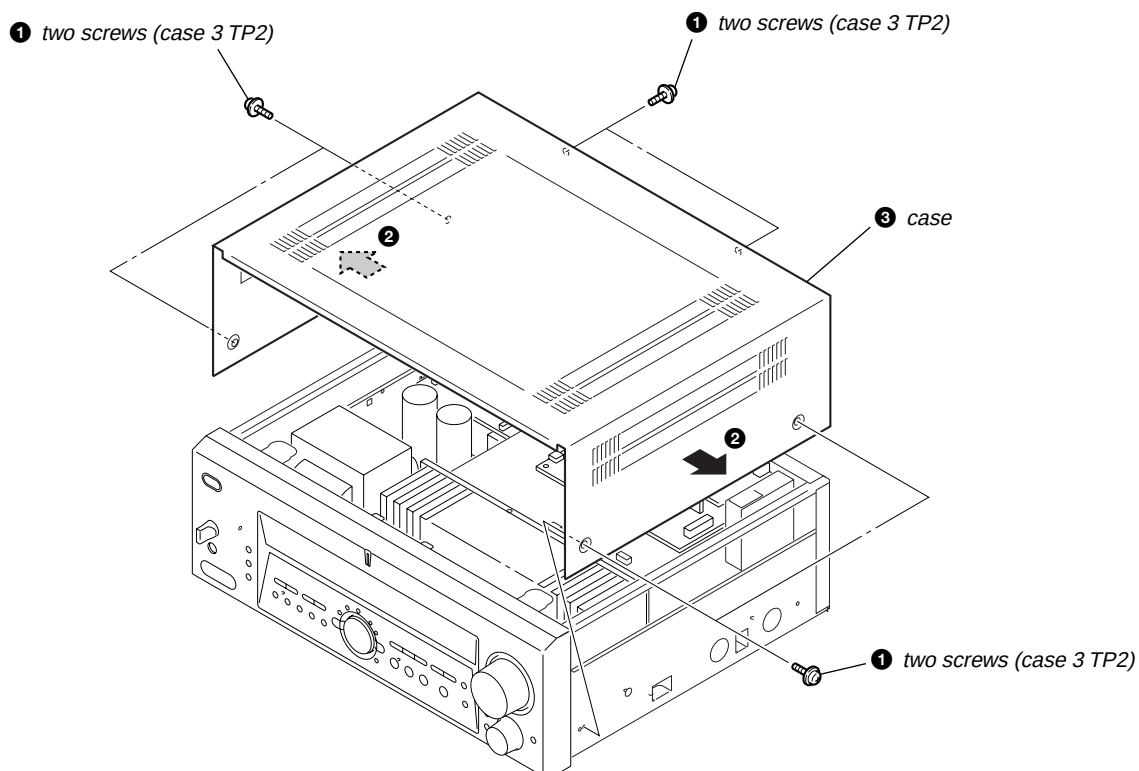
• This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

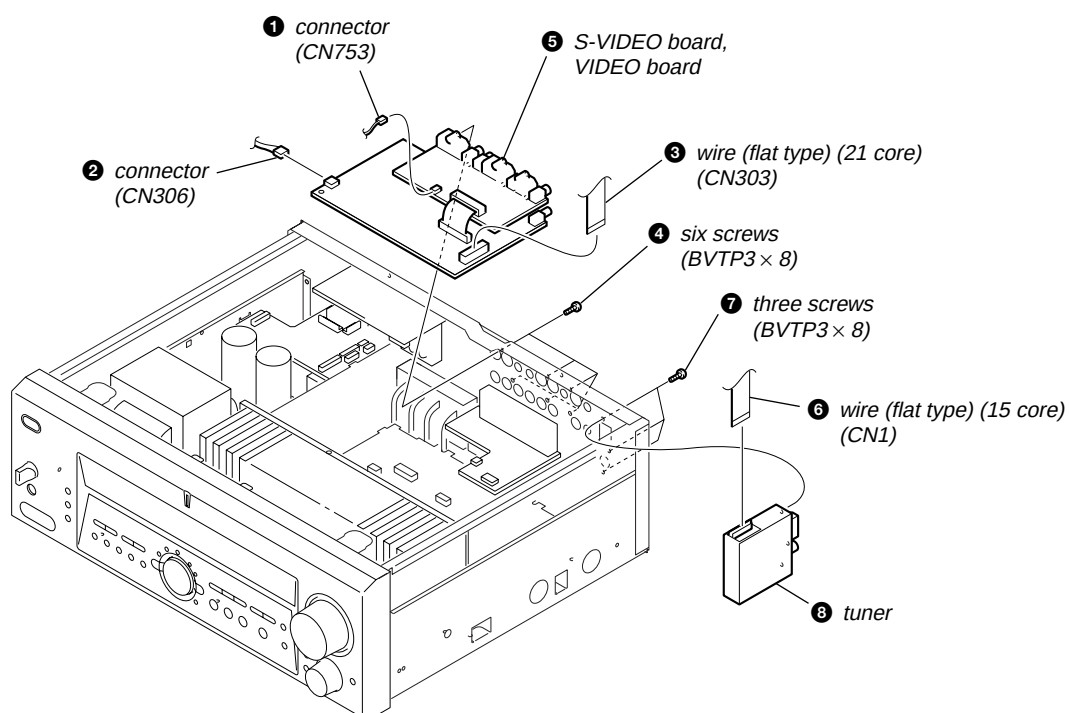


Note: Follow the disassembly procedure in the numerical order given.

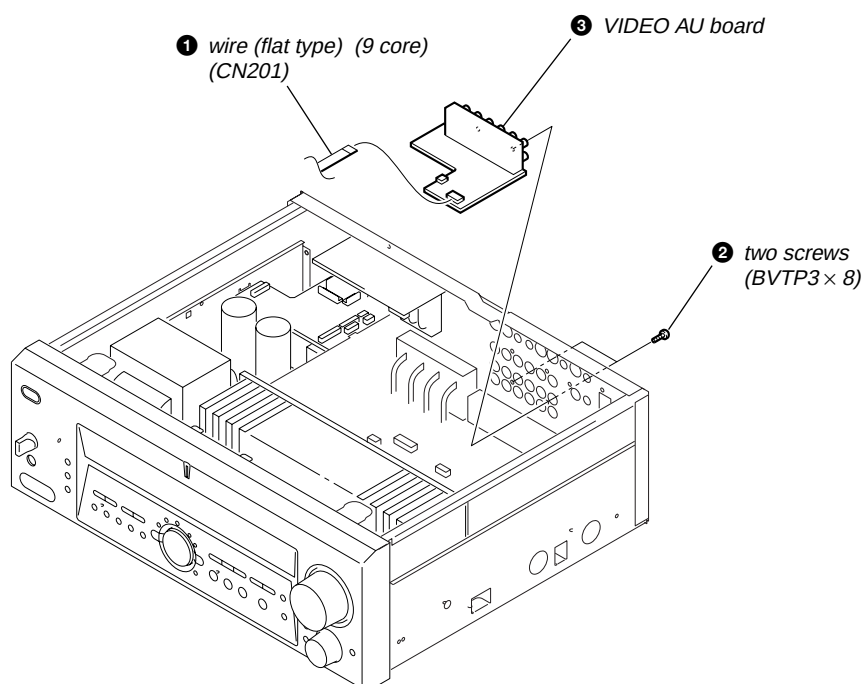
3-2. CASE



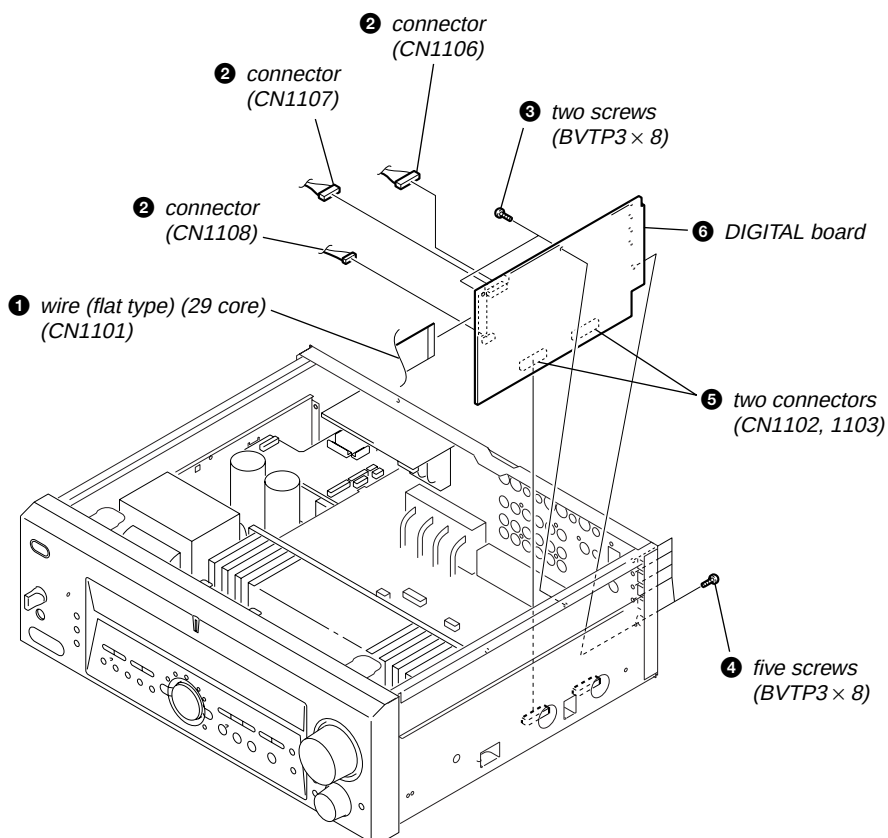
3-3. S-VIDEO BOARD, VIDEO BOARD, TUNER



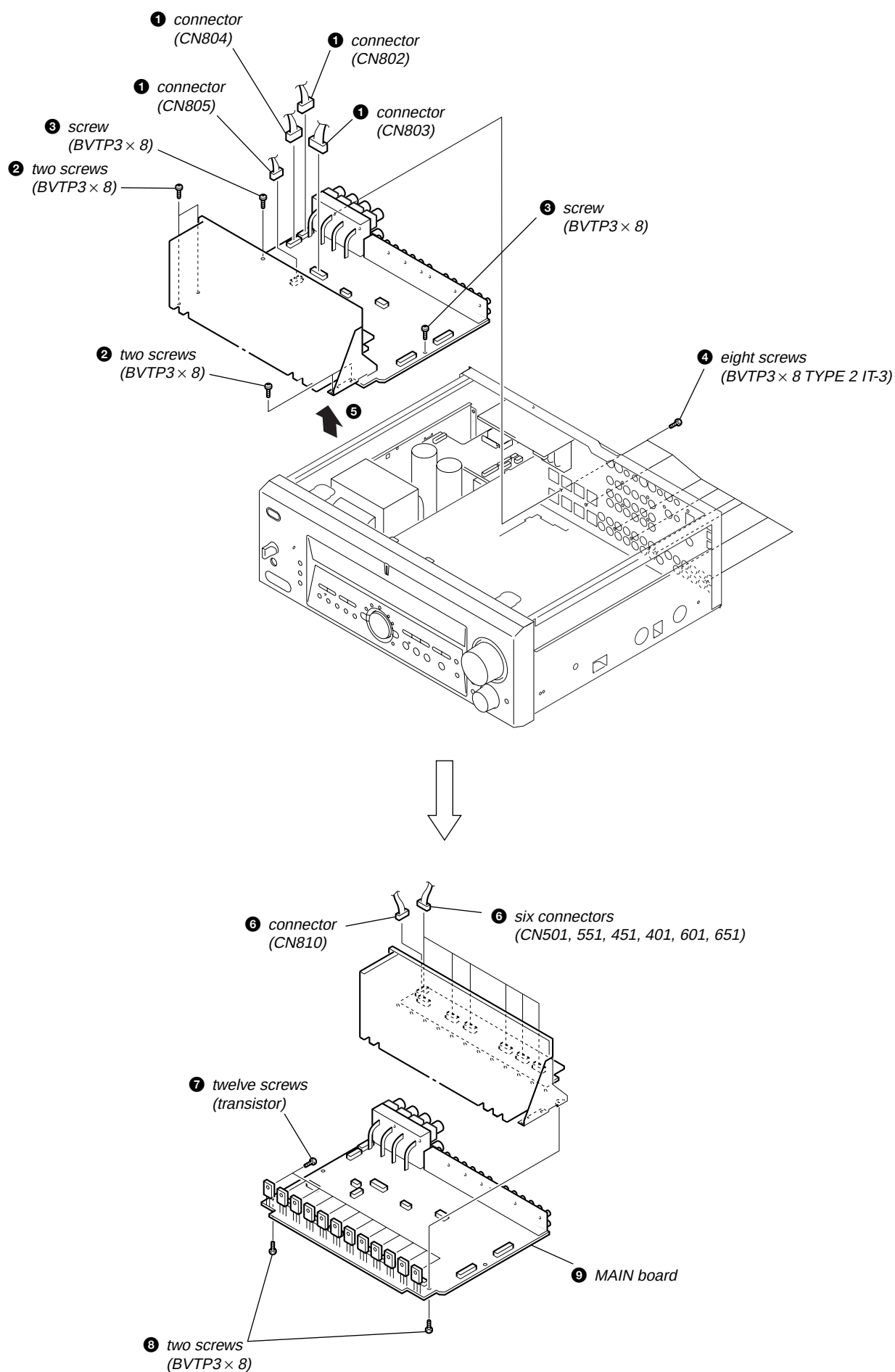
3-4. VIDEO AU BOARD



3-5. DIGITAL BOARD



3-6. MAIN BOARD



SECTION 4

TEST MODE

Factory Set Mode

All preset contents are reset to the default setting.

Procedure:

While pressing the **[SET UP]** and **[DIMMER]** buttons, press the **[I/⏻]** button to turn on the main power. The message “TUNER FACTORY PRESET” appears and the present contents are reset to the default values.

All Clear Mode

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

Procedure:

While pressing the **[A.F.D.]** and **[SOUND FIELD MODE]** buttons, press the **[I/⏻]** button to turn on the main power. The message “MEMORY CLEARED” appears and the memories are reset to the default values.

Sound Field Clear Mode

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

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

Fluorescent Indicator Tube Test Mode

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

Procedure:

1. While pressing the **[A.F.D.]** and **[DIMMER]** buttons, press the **[I/⏻]** button to turn on the main power.
2. All segments turn on at the same time, then each segment turns on press the **[A.F.D.]** button.

Demonstration Mode

Procedure:

While pressing the **[SET UP]** button simultaneously, press the **[I/⏻]** button to turn on the main power. The set enters the DEMO mode.

Wait a while, then the demonstration starts. If the **[I/⏻]** button is pressed often the demonstration has started, the power is turned off, and the demonstration resumes if the **[I/⏻]** button is pressed again.

AM Channel Step 9 kHz/10 kHz Selection Mode

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

Procedure:

1. Set the FUNCTION to AM. Press the **[I/⏻]** button to turn off the main power.
2. While depressing the **[PRESET TUNING +]** button, press the **[I/⏻]** button to turn on the main power.
3. Either the message “AM 9kHz Step” or “AM 10kHz Step” appears. Select the desired step.

Version Mode

When this mode is used, the microprocessor version number is displayed.

Procedure:

Press three buttons of **[SHIFT]**, **[SOUND FIELD MODE]** and **[TUNING -]** simultaneously. The microprocessor version number appears.

DSP Test Mode

This test is conducted to check if the DSP functions normally.

Procedure:

1. While pressing the **[DISPLAY]** and **[TUNING +]** buttons, press the **[I/⏻]** button to turn on the main power.
2. If the DSP is normal, the message “RWS 1:000 2:000 SYNC” appears.
3. If the DSP is abnormal, characters other than 0 appears at the 000 part of the message.

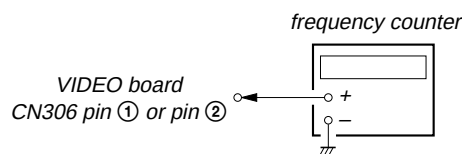
Note: RWS characters of the message correspond to the digits of 000. RW means read/write from the system controller (IC1703) to the DSP, and S means the communication between DSP and S-RAM (IC1502, IC1602). For example, if the writing of the system controller failed, 0*0 (* is a character other than 0) appears. Also, 1 and 2 indicates DSP1 (IC1501) and DSP2 (IC1601), and 1:000 and 2:000 show the test results of DSP1 and DSP2 respectively.

SECTION 5

ELECTRICAL ADJUSTMENT

OSD Adjustment

Connection

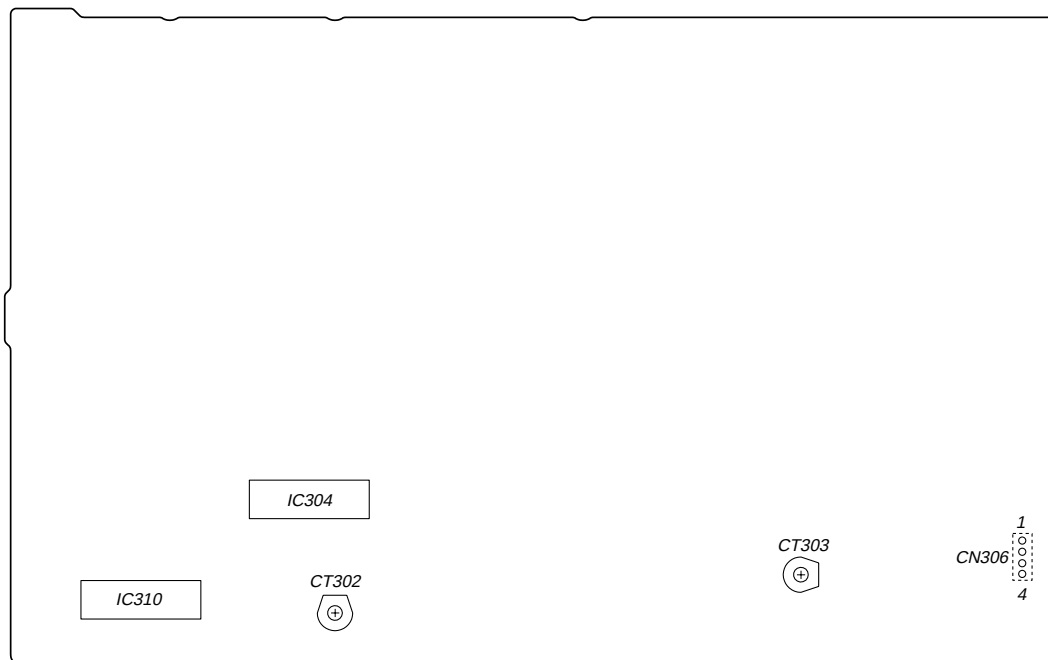


Procedure:

1. Short the CN306 pin ④ on the VIDEO board to the GND.
2. Connect a frequency counter to the CN306 pin ② on the VIDEO board.
3. Press the button to turn on the main power.
4. Press the **SET UP** button.
5. Press the or button to display "OSD H.POSITION".
8. Adjust the CT302 so that the frequency counter reading is 3.57954 MHz.
9. Press the button to turn off the main power.
10. Connect a frequency counter to the CN306 pin ① on the VIDEO board.
11. Press the button to turn on the main power.
12. Press the **SET UP** button.
13. Press the button to display "OSD V.POSITION".
14. Adjust the CT303 so that the frequency counter reading is 7.20 MHz.

Adjustment and Connection Location:

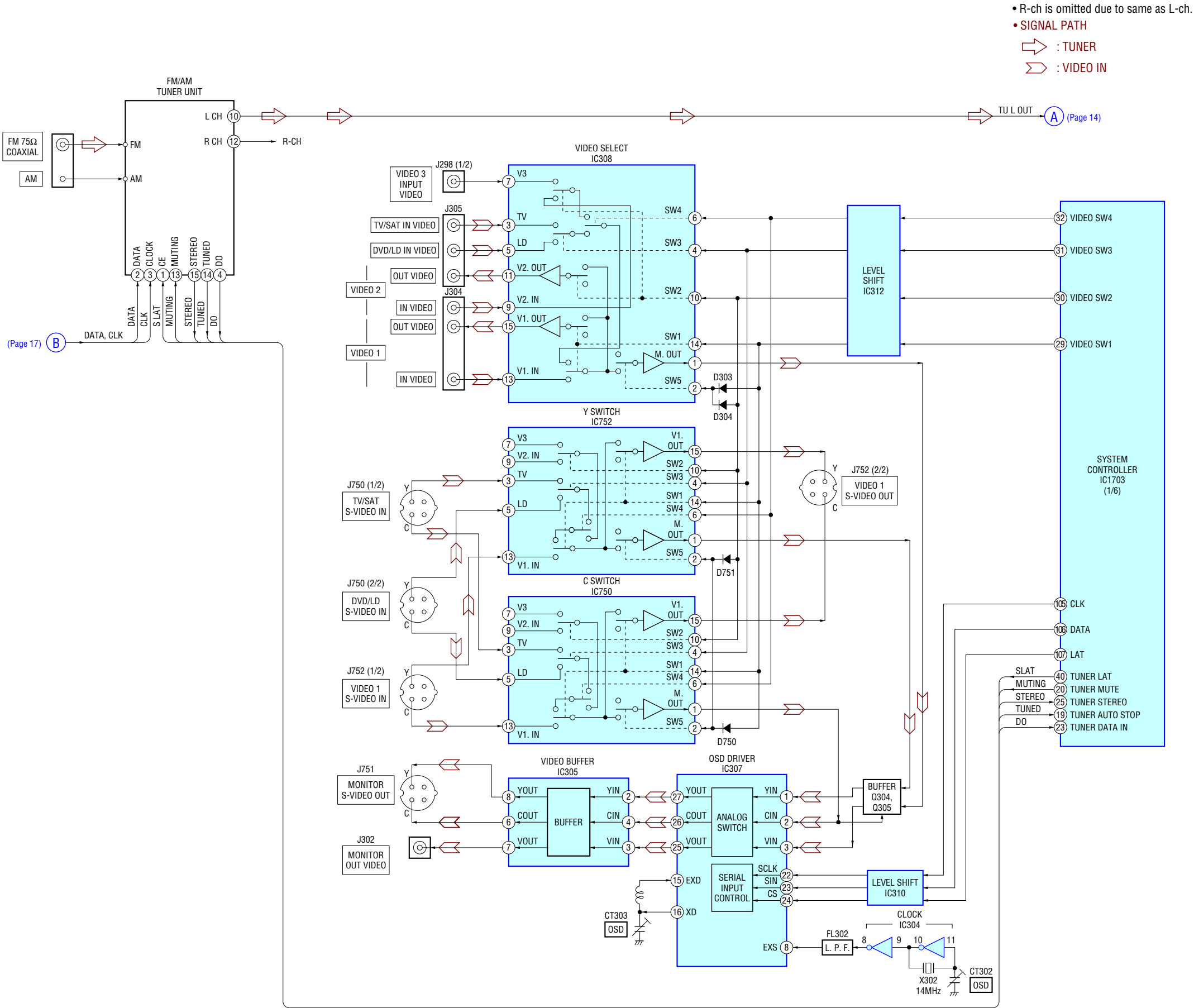
– VIDEO BOARD (Component Side) –



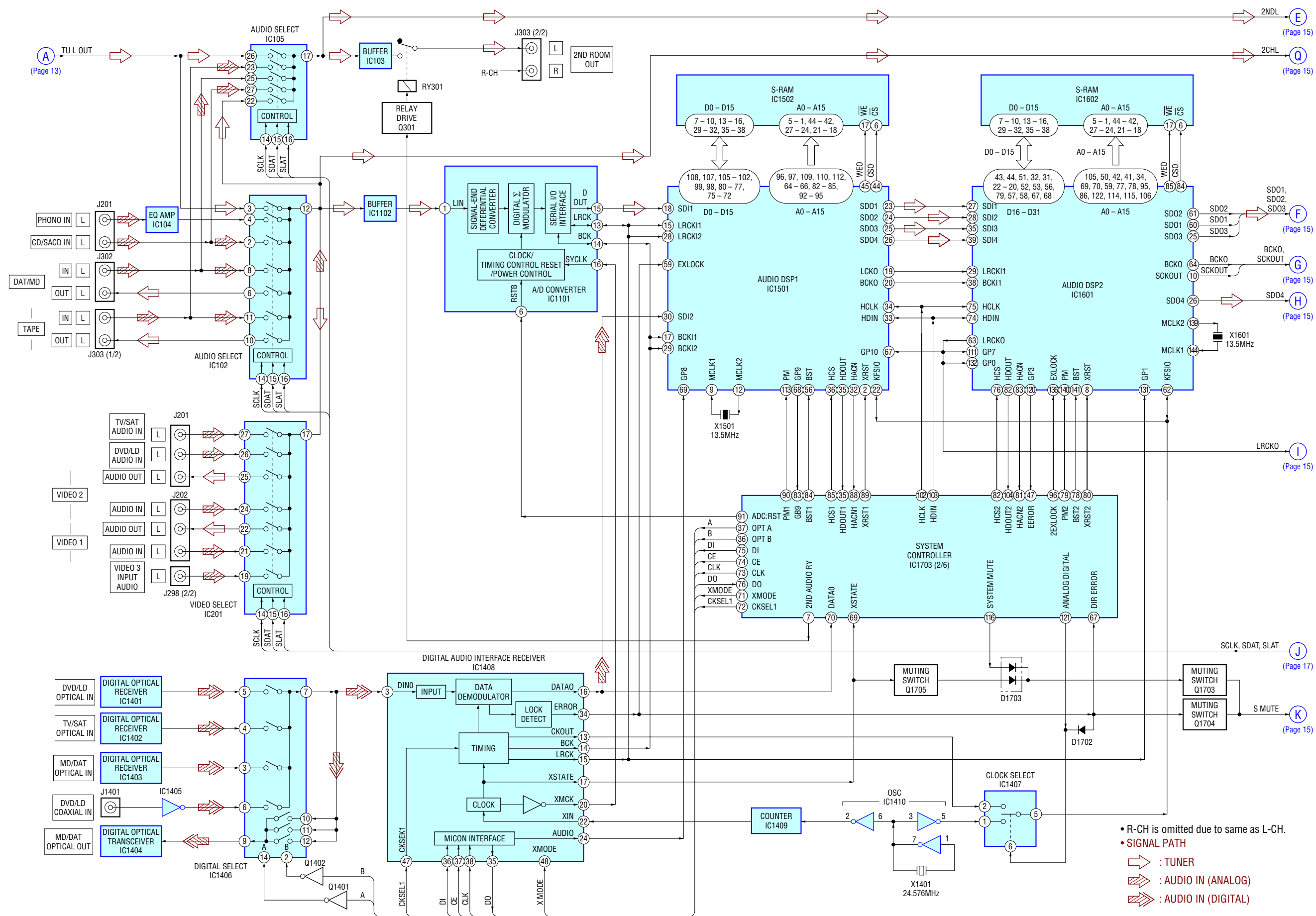
MEMO

SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM – TUNER/VIDEO INPUT Section –

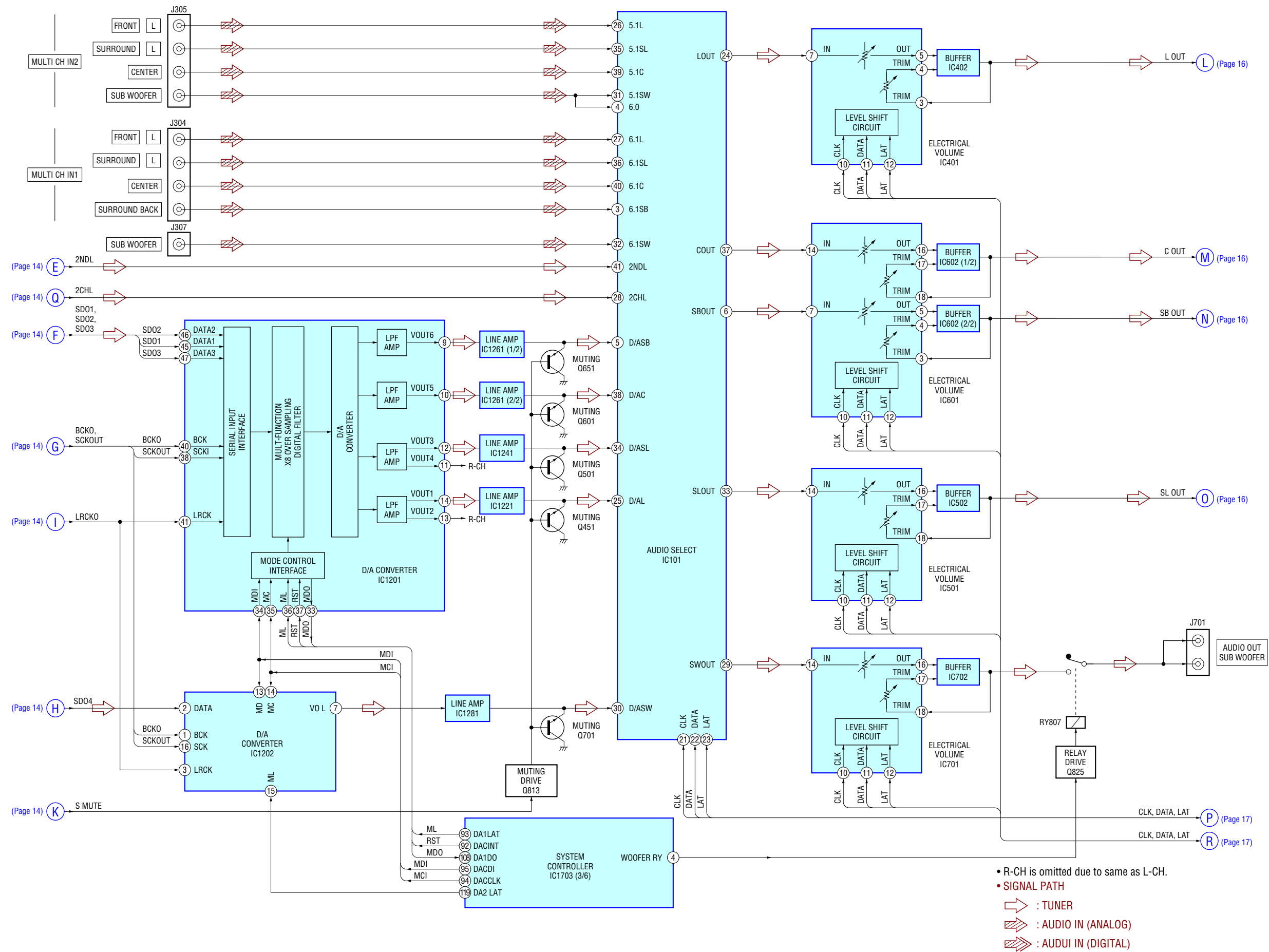


6-2. BLOCK DIAGRAM – AUDIO DSP Section –

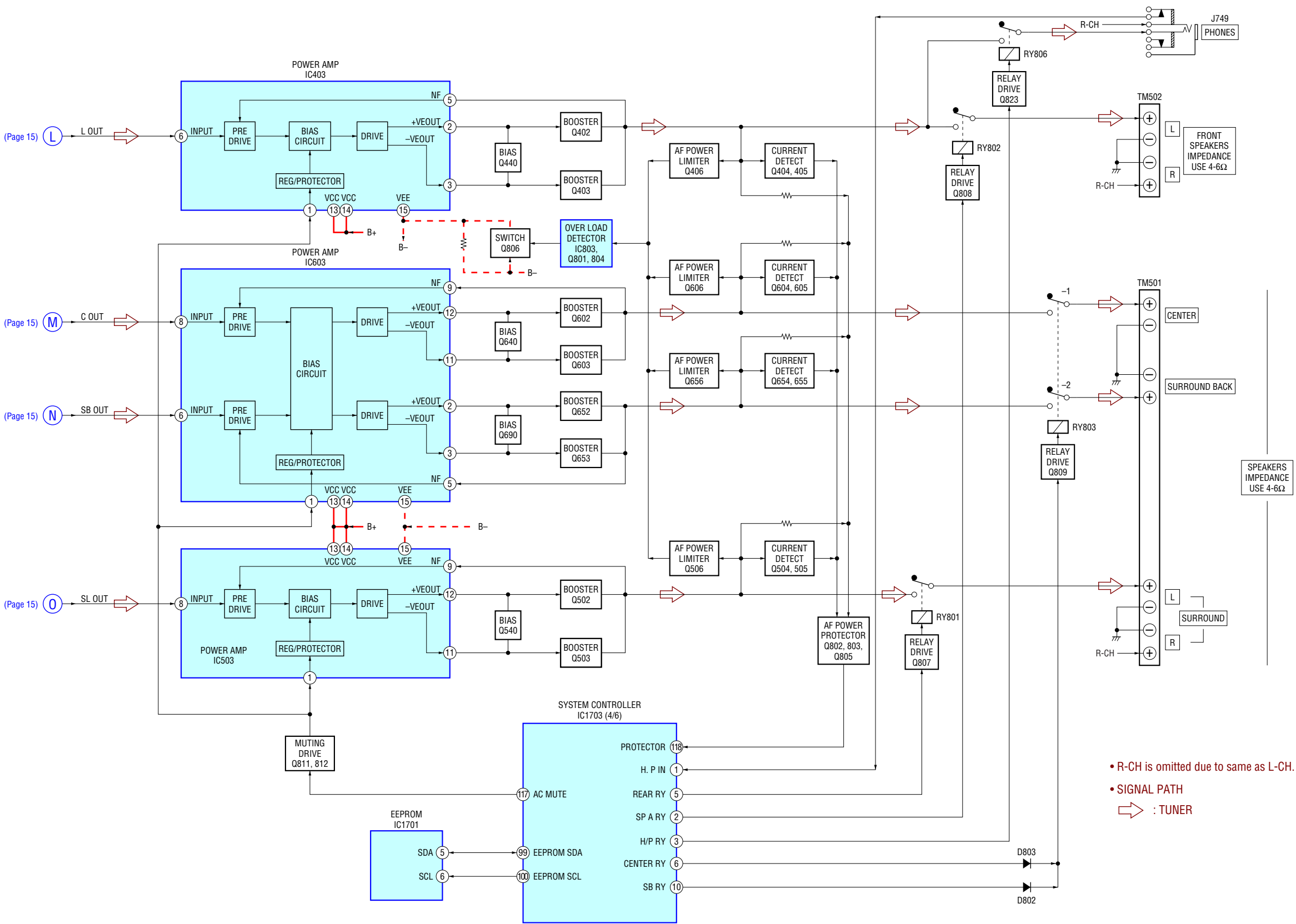


• R-CH is omitted due to same as L-CH.
• SIGNAL PATH
— : TUNER
== : AUDIO IN (ANALOG)
=== : AUDIO IN (DIGITAL)

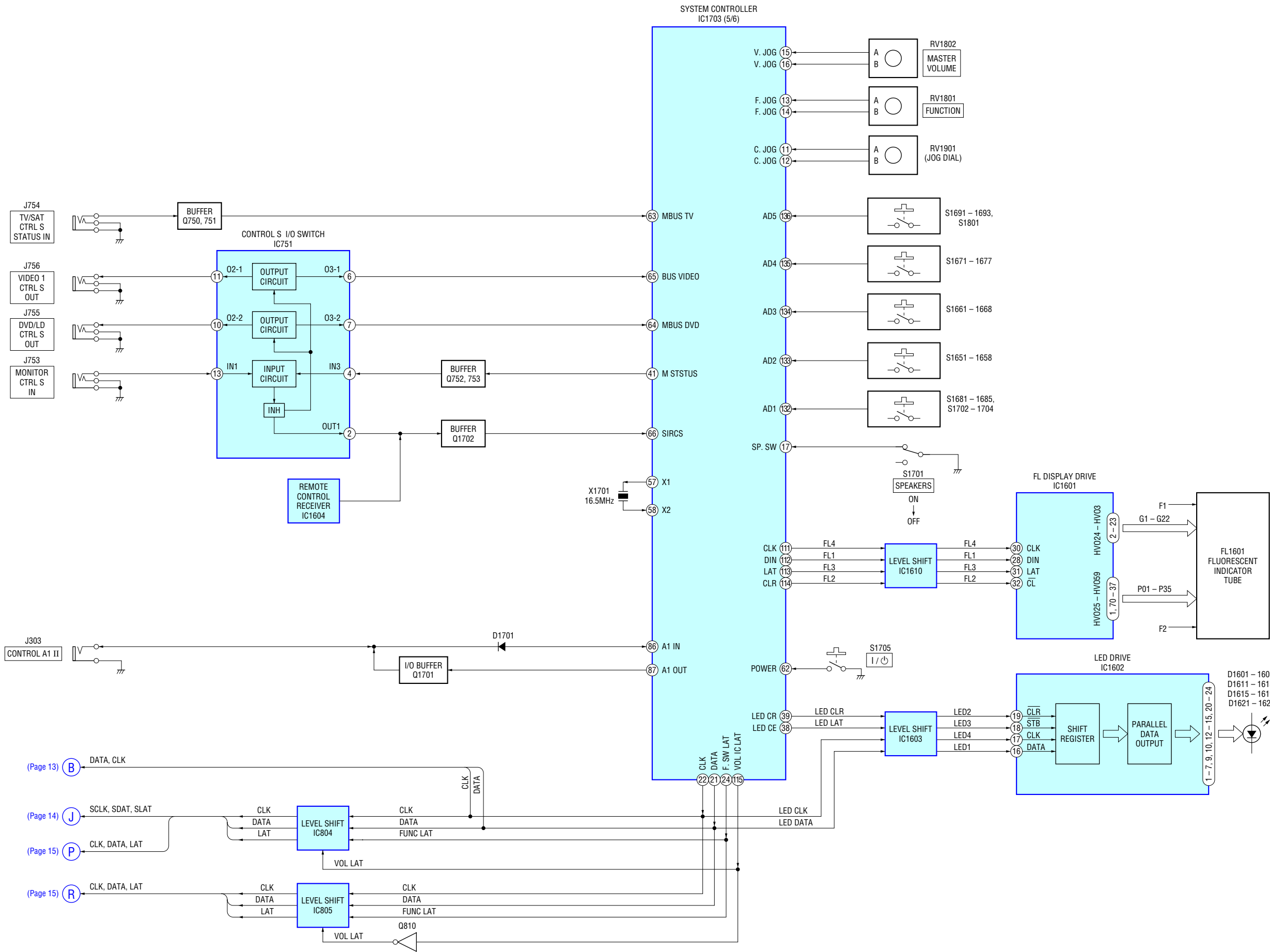
6-3. BLOCK DIAGRAM – AUDIO CONTROL Section –



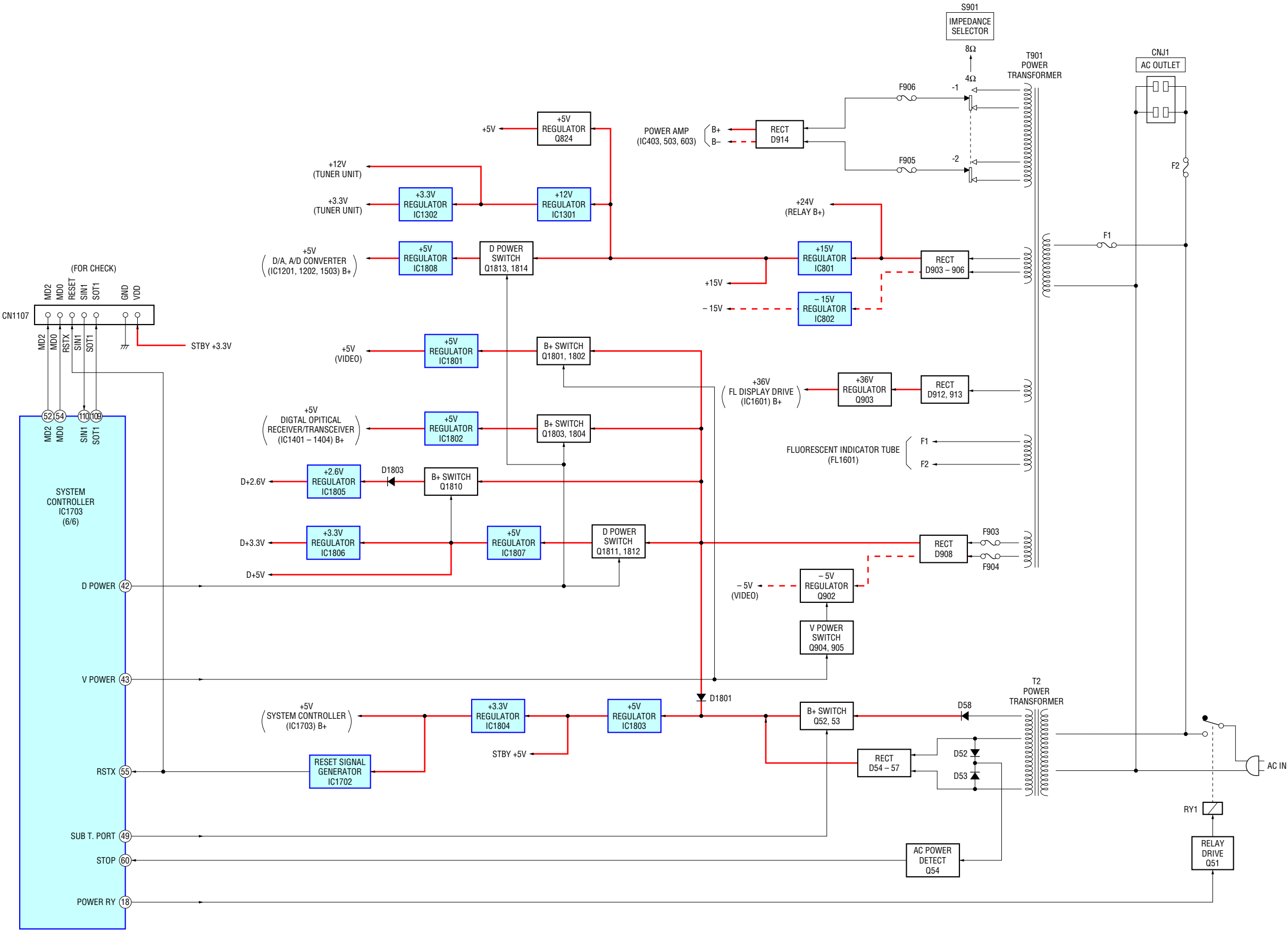
6-4. BLOCK DIAGRAM – POWER AMP Section –



6-5. BLOCK DIAGRAM – DISPLAY/KEY CONTROL Section –



6-6. BLOCK DIAGRAM – POWER SUPPLY Section –



6-7. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

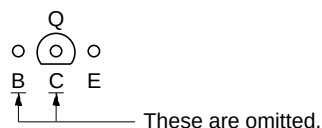
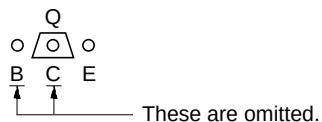
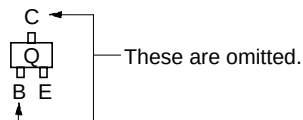
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:

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

- Indication of transistor



Note on Schematic Diagram:

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

Note:

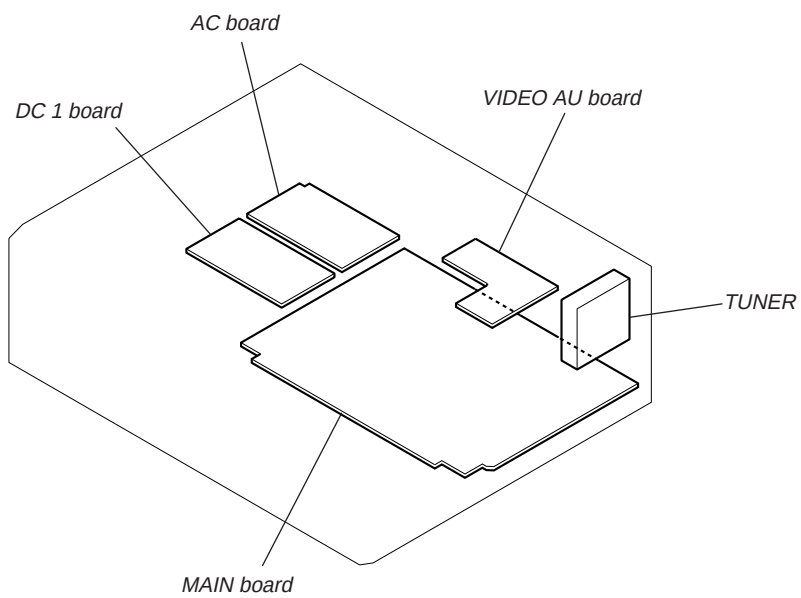
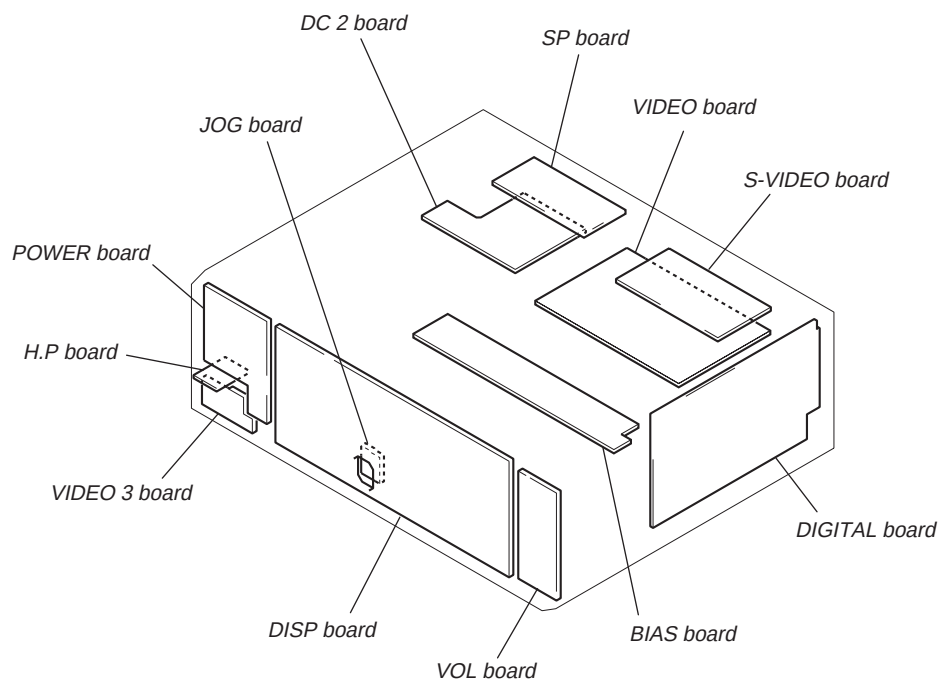
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

Note:

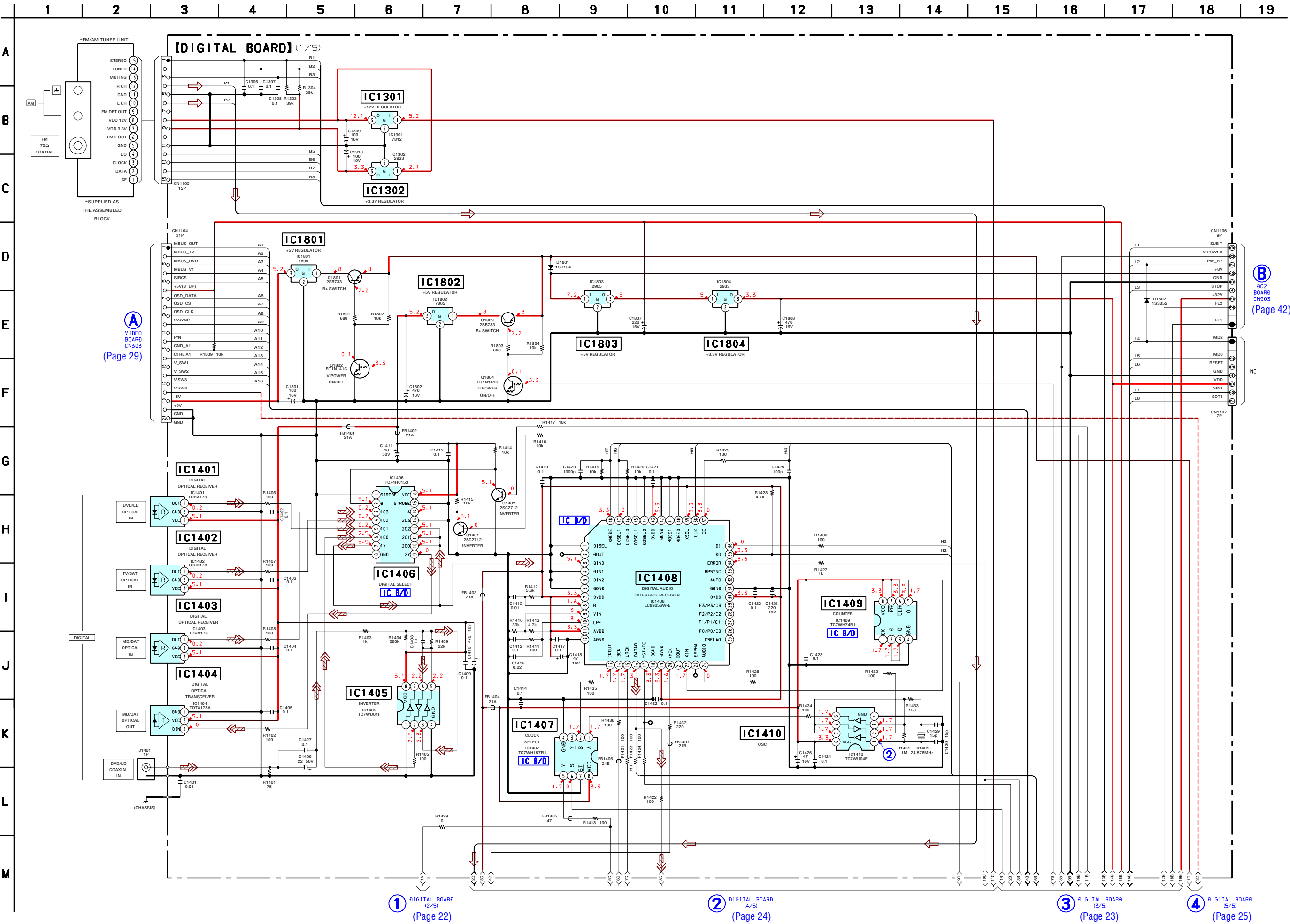
Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

• Circuit Boards Location



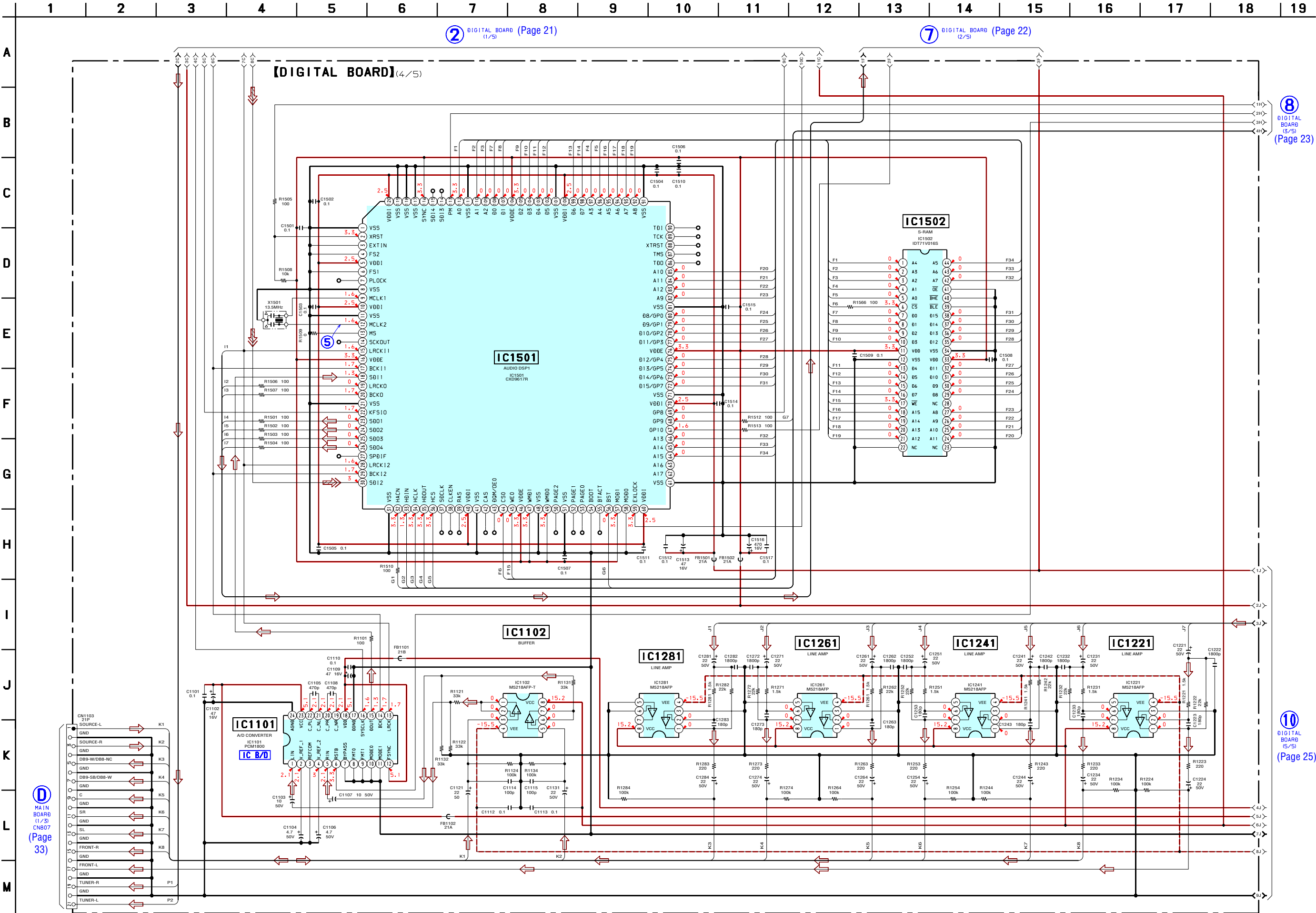
6-8. SCHEMATIC DIAGRAM – DIGITAL Board (1/5) – • See page 44 for Waveform. • See page 44 for IC Block Diagrams.







6-11. SCHEMATIC DIAGRAM – DIGITAL Board (4/5) – • See page 44 for Waveform. • See page 44 for IC Block Diagram.



MAIN BOARD (1/3) CN807 (Page 33)

DIGITAL BOARD (3/5) (Page 23)

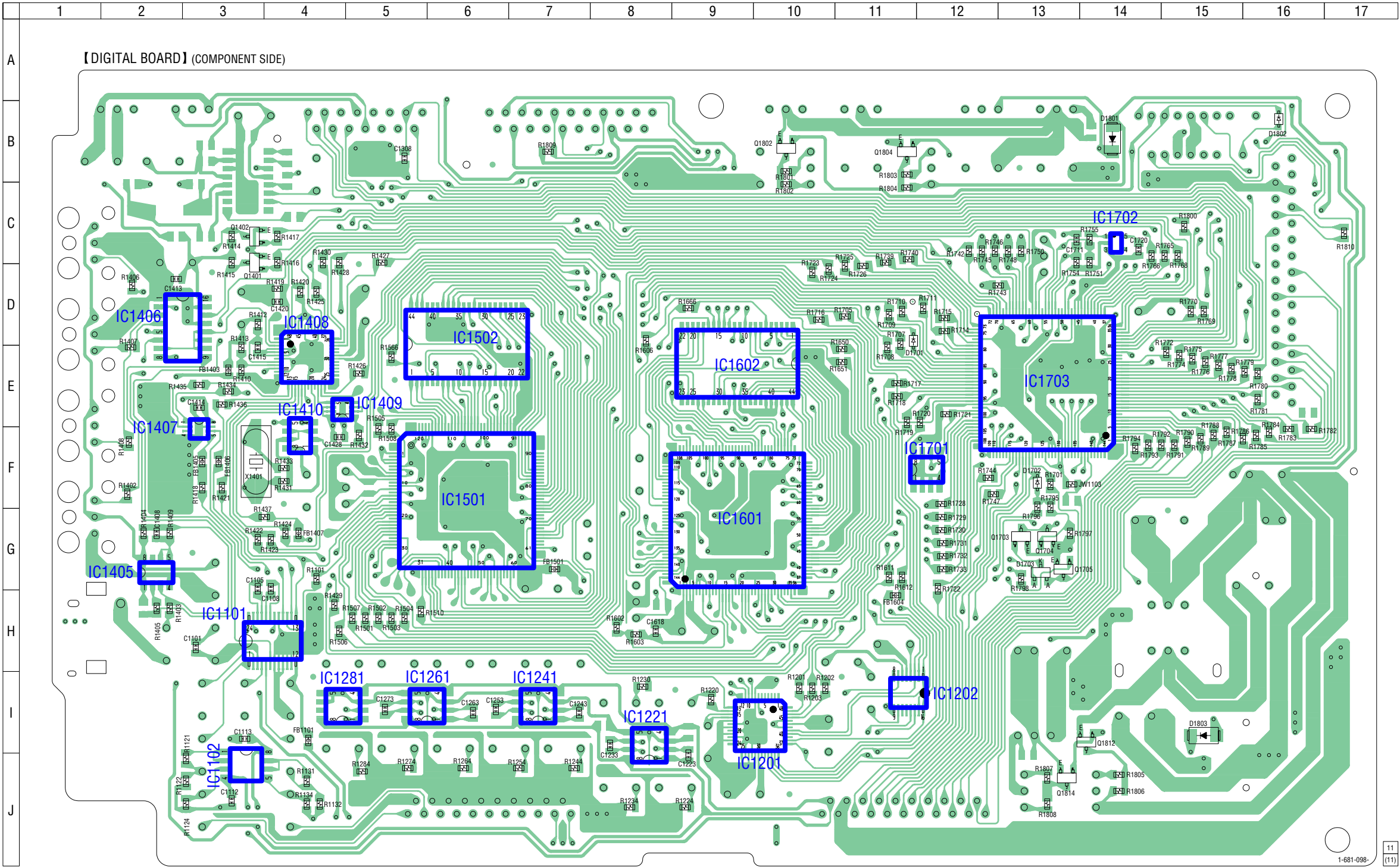
DIGITAL BOARD (5/5) (Page 25)



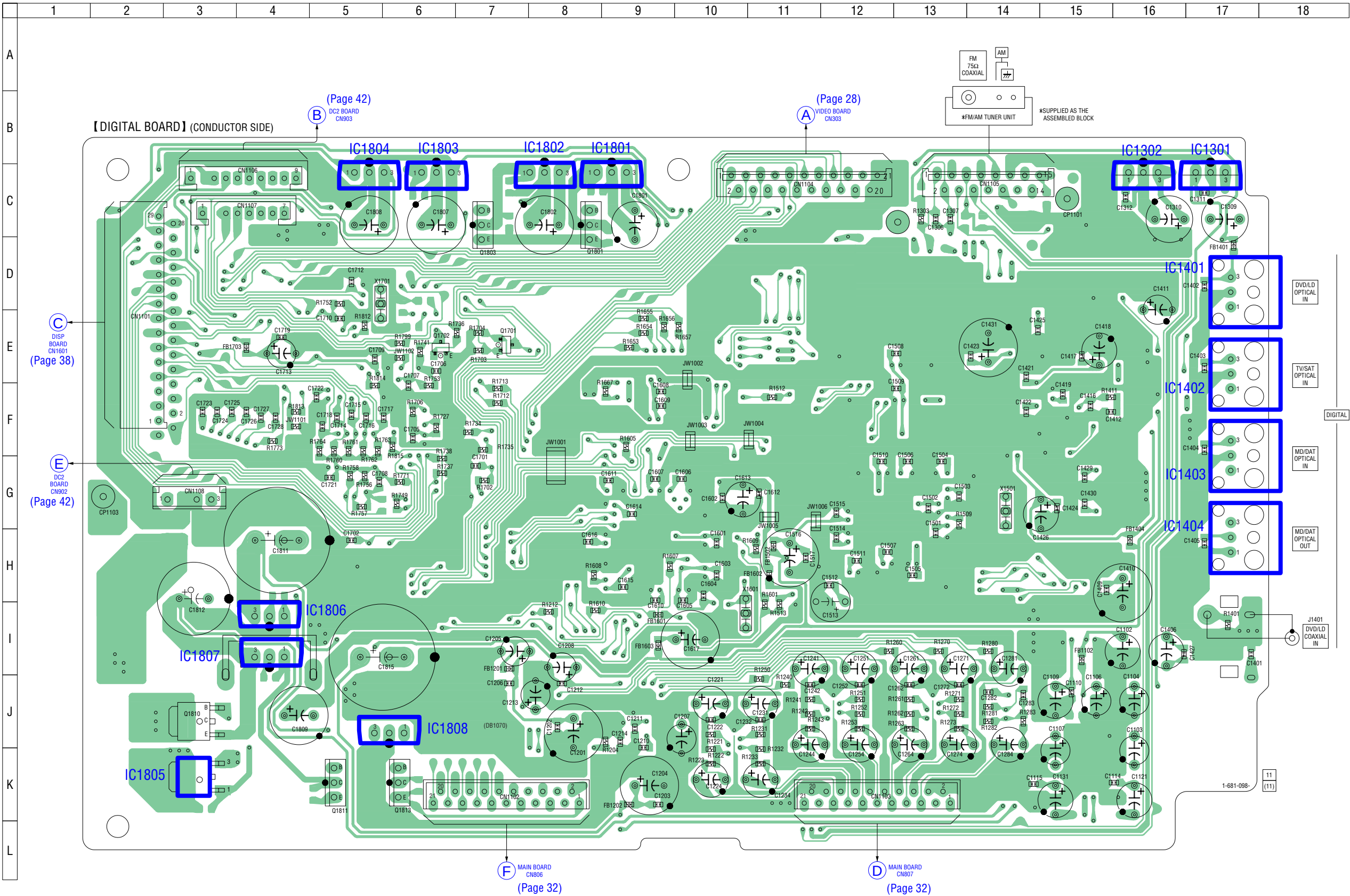
6-13. PRINTED WIRING BOARD – DIGITAL Board (Component Side) – • See page 20 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
D1701	D-11
D1702	F-13
D1703	G-13
D1801	B-14
D1802	B-16
D1803	I-15
IC1101	H-4
IC1102	J-3
IC1201	I-10
IC1202	I-11
IC1221	I-8
IC1241	I-7
IC1261	I-5
IC1281	I-4
IC1405	G-2
IC1406	D-2
IC1407	F-3
IC1408	E-4
IC1409	E-4
IC1410	F-4
IC1501	F-6
IC1502	D-6
IC1601	G-9
IC1602	E-9
IC1701	F-12
IC1702	C-14
IC1703	E-13
Q1401	C-3
Q1402	C-3
Q1703	G-13
Q1704	G-13
Q1705	G-13
Q1802	B-10
Q1804	B-11
Q1812	I-14
Q1814	J-13



6-14. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) – • See page 20 for Circuit Boards Location.



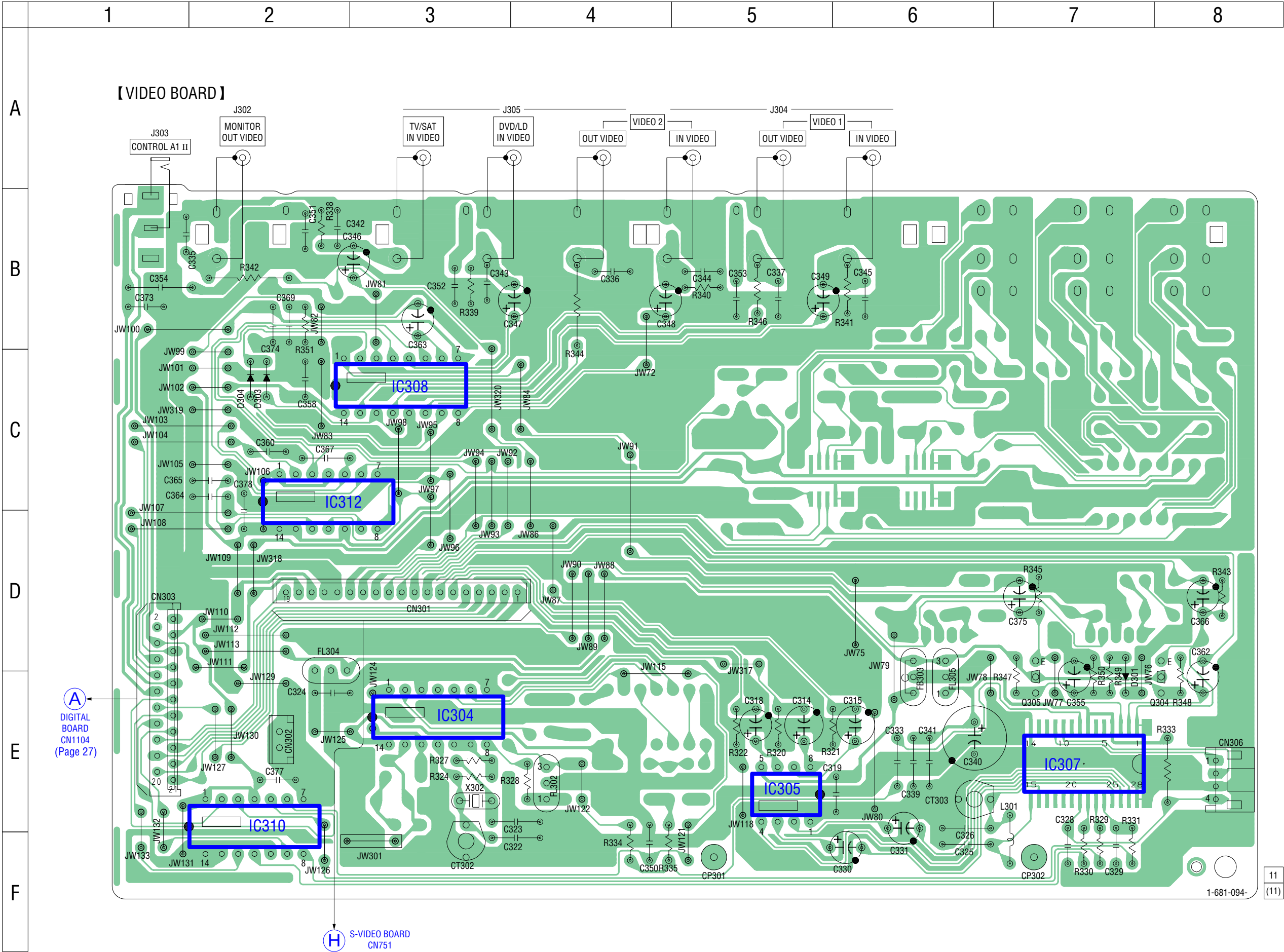
• Semiconductor Location

Ref. No.	Location
IC1301	C-17
IC1302	C-16
IC1401	D-17
IC1402	E-17
IC1403	G-17
IC1404	H-17
IC1801	C-9
IC1802	C-8
IC1803	C-6
IC1804	C-5
IC1805	K-3
IC1806	I-4
IC1807	I-4
IC1808	J-6
Q1701	E-7
Q1702	E-6
Q1801	C-8
Q1803	C-7
Q1810	J-3
Q1811	K-5
Q1813	K-6

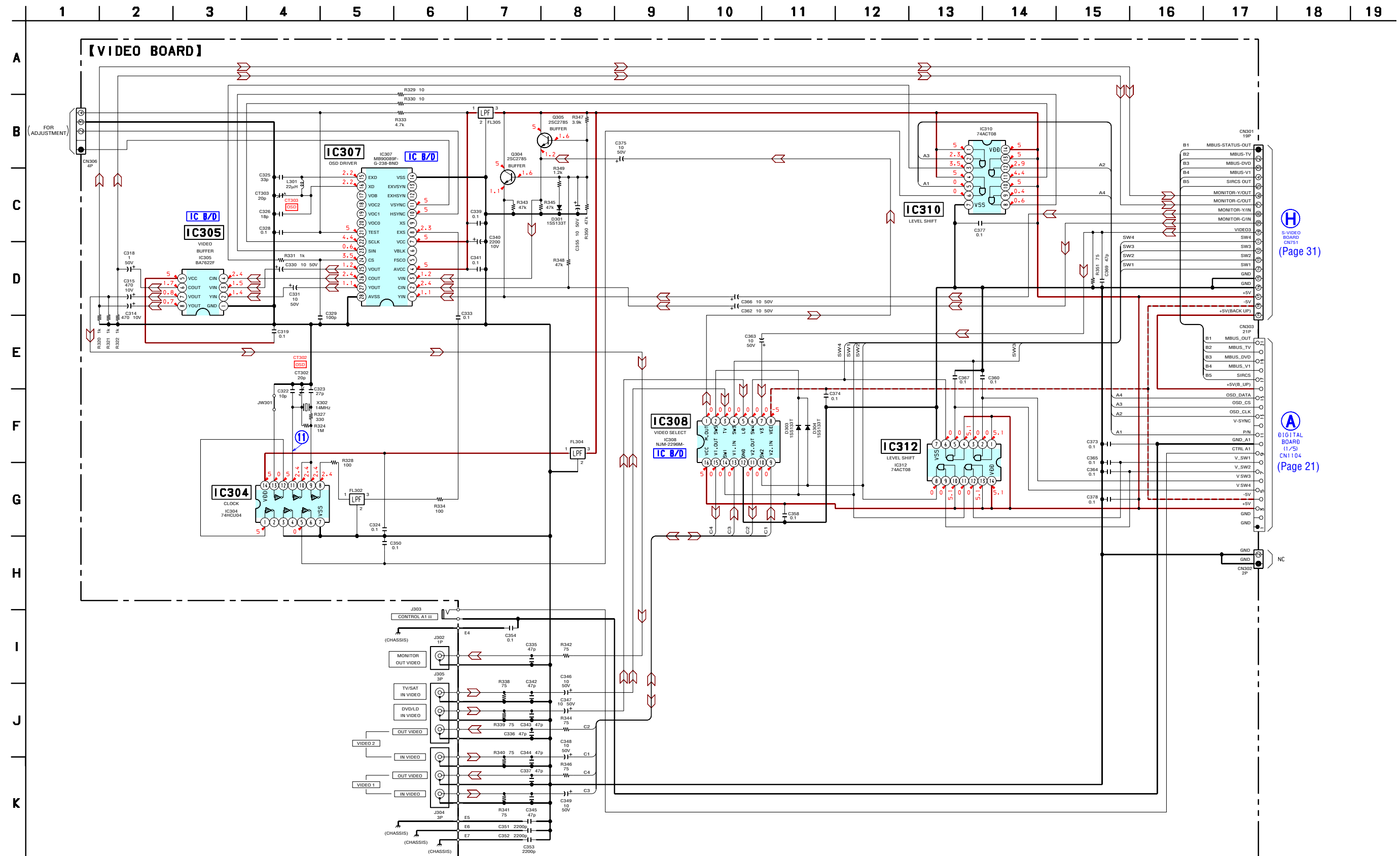
6-15. PRINTED WIRING BOARD – VIDEO Board – • See page 20 for Circuit Boards Location.

• Semiconductor Location

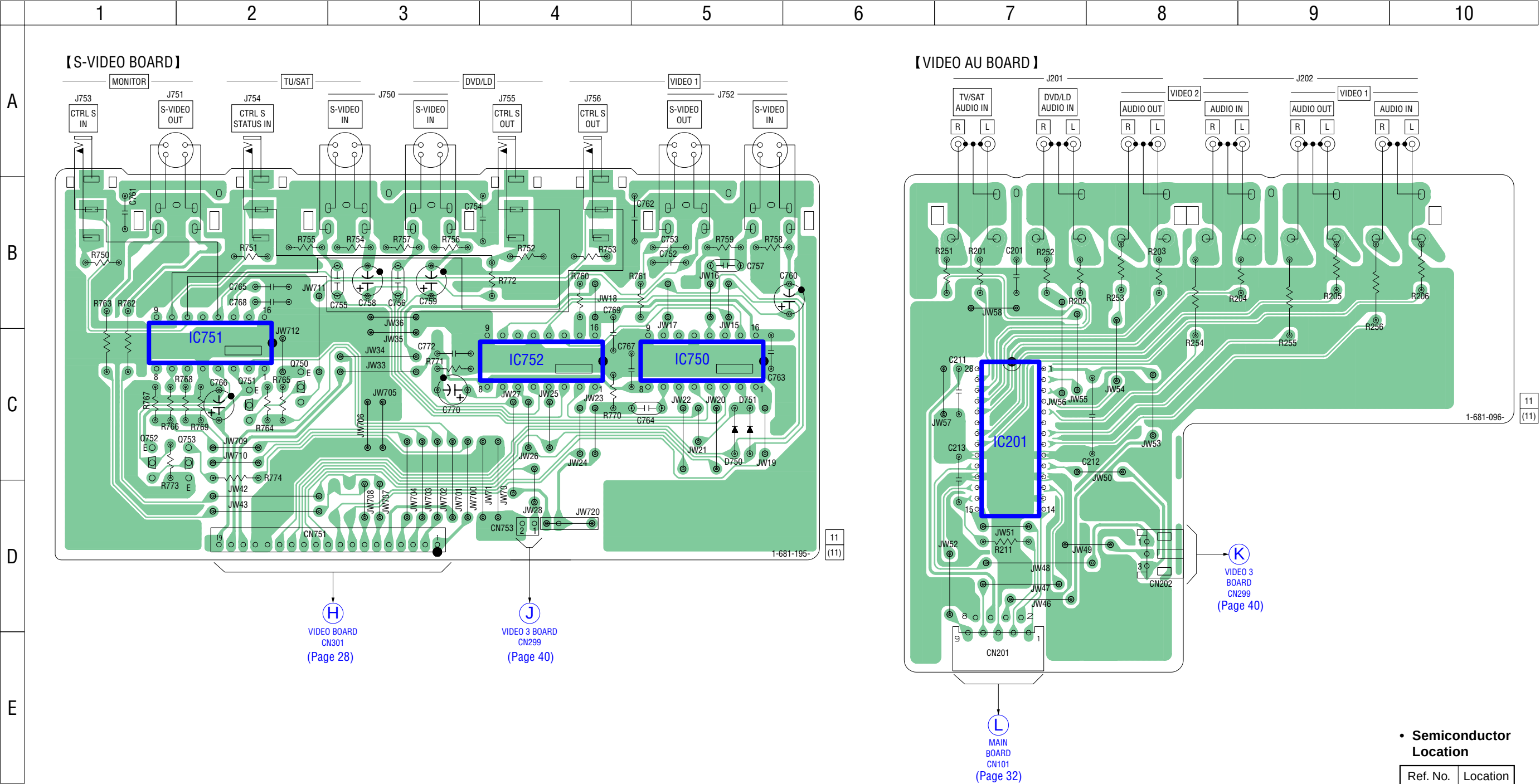
Ref. No.	Location
D301	E-7
D303	C-2
D304	C-2
IC304	E-3
IC305	E-5
IC307	E-7
IC308	C-3
IC310	E-2
IC312	C-2
Q304	E-8
Q305	E-7



6-16. SCHEMATIC DIAGRAM – VIDEO Board – • See page 44 for Waveform. • See page 44 for IC Block Diagrams.



6-17. PRINTED WIRING BOARDS – S-VIDEO/VIDEO AU Boards – • See page 20 for Circuit Boards Location.



[S-VIDEO BOARD]

IC751 CONTROL S I/O SWITCH
IC751 NJM-2145D-
IC 8/D

IC750 C SWITCH
IC750 NJM-2296D-
IC 8/D

IC752 Y SWITCH
IC752 NJM-2296D-
IC 8/D

IC201 VIDEO SELECT
IC201 TOS273-014
IC 8/D

[VIDEO AU BOARD]

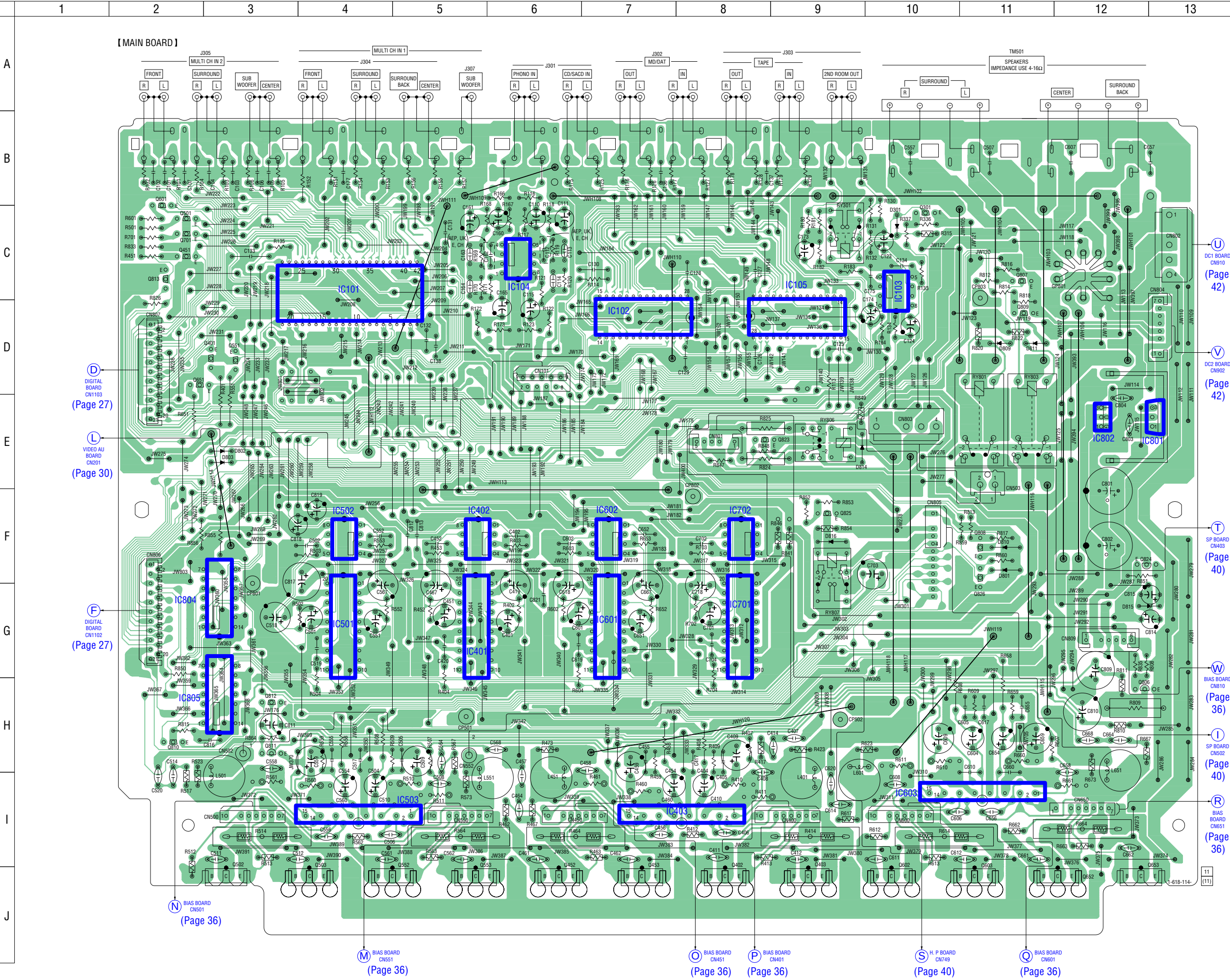
IC201 VIDEO SELECT
IC201 TOS273-014
IC 8/D

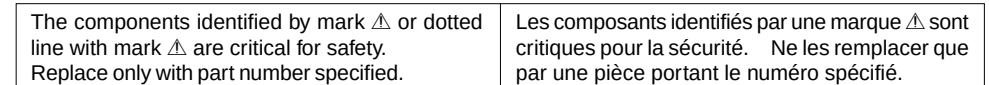
MAIN BOARD (3/5)
CN101
(Page 35)

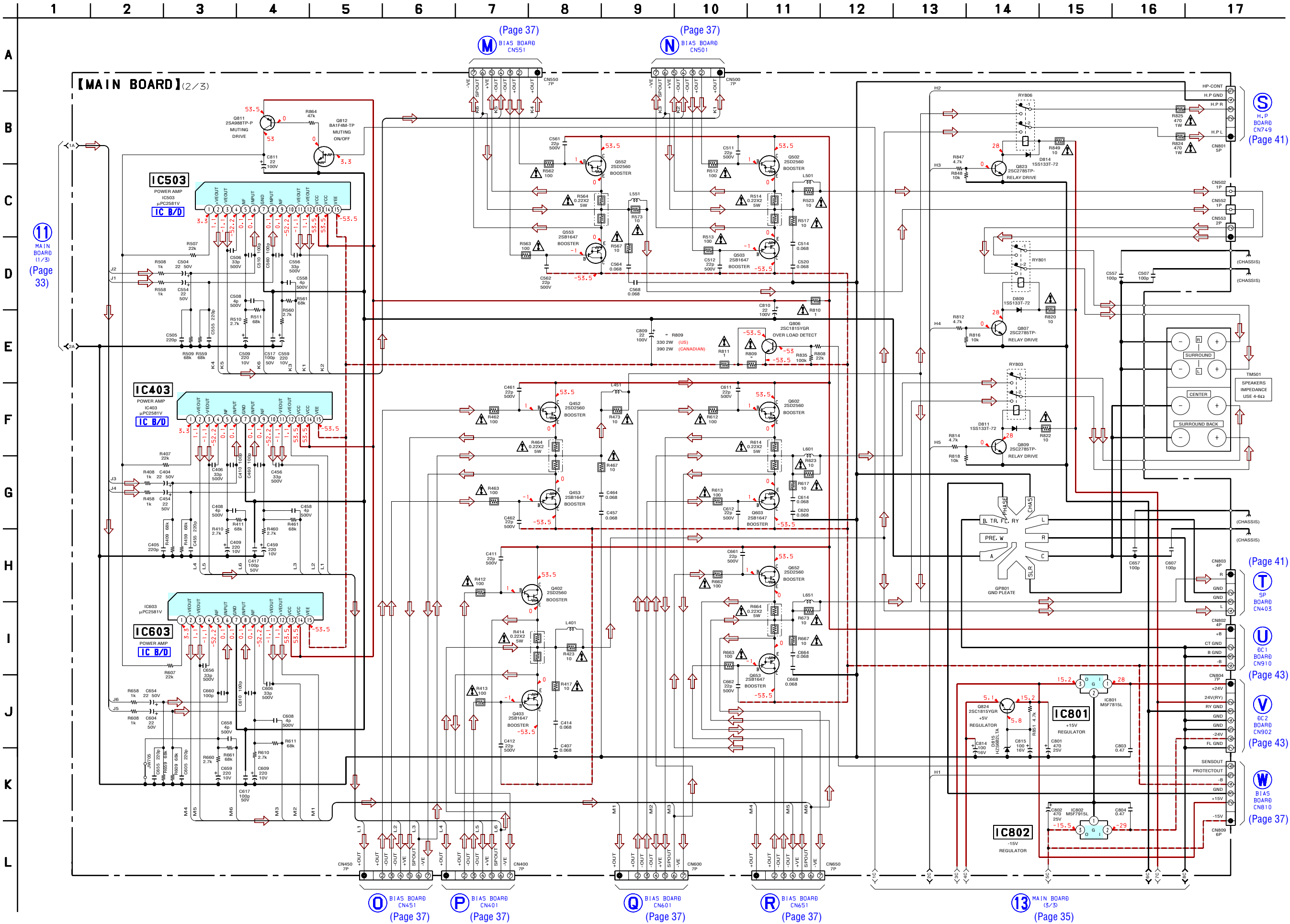
VIDEO 3 BOARD
CN299
(Page 41)

• Semiconductor Location

Ref. No.	Location
D301	C-10
D801	F-11
D802	E-3
D803	E-3
D809	D-11
D810	F-11
D811	D-11
D814	E-9
D815	G-12
D816	F-9
IC101	C-4
IC102	D-7
IC103	C-10
IC104	C-6
IC105	D-9
IC401	G-5
IC402	F-5
IC403	I-7
IC501	G-4
IC502	F-4
IC503	I-4
IC601	G-7
IC602	F-7
IC603	I-11
IC701	G-8
IC702	F-8
IC801	E-13
IC802	E-12
IC804	G-3
IC805	H-3
Q301	C-10
Q401	D-3
Q402	J-8
Q403	J-9
Q451	C-2
Q452	J-6
Q453	J-7
Q501	C-2
Q502	J-3
Q503	J-4
Q551	D-3
Q552	J-4
Q553	J-5
Q601	B-2
Q602	J-10
Q603	J-11
Q651	D-2
Q652	J-12
Q653	J-12
Q701	C-2
Q806	H-12
Q807	C-11
Q808	F-11
Q809	D-11
Q810	H-2
Q811	H-3
Q812	H-3
Q813	C-2
Q823	E-8
Q824	F-12
Q825	F-9
Q826	F-11



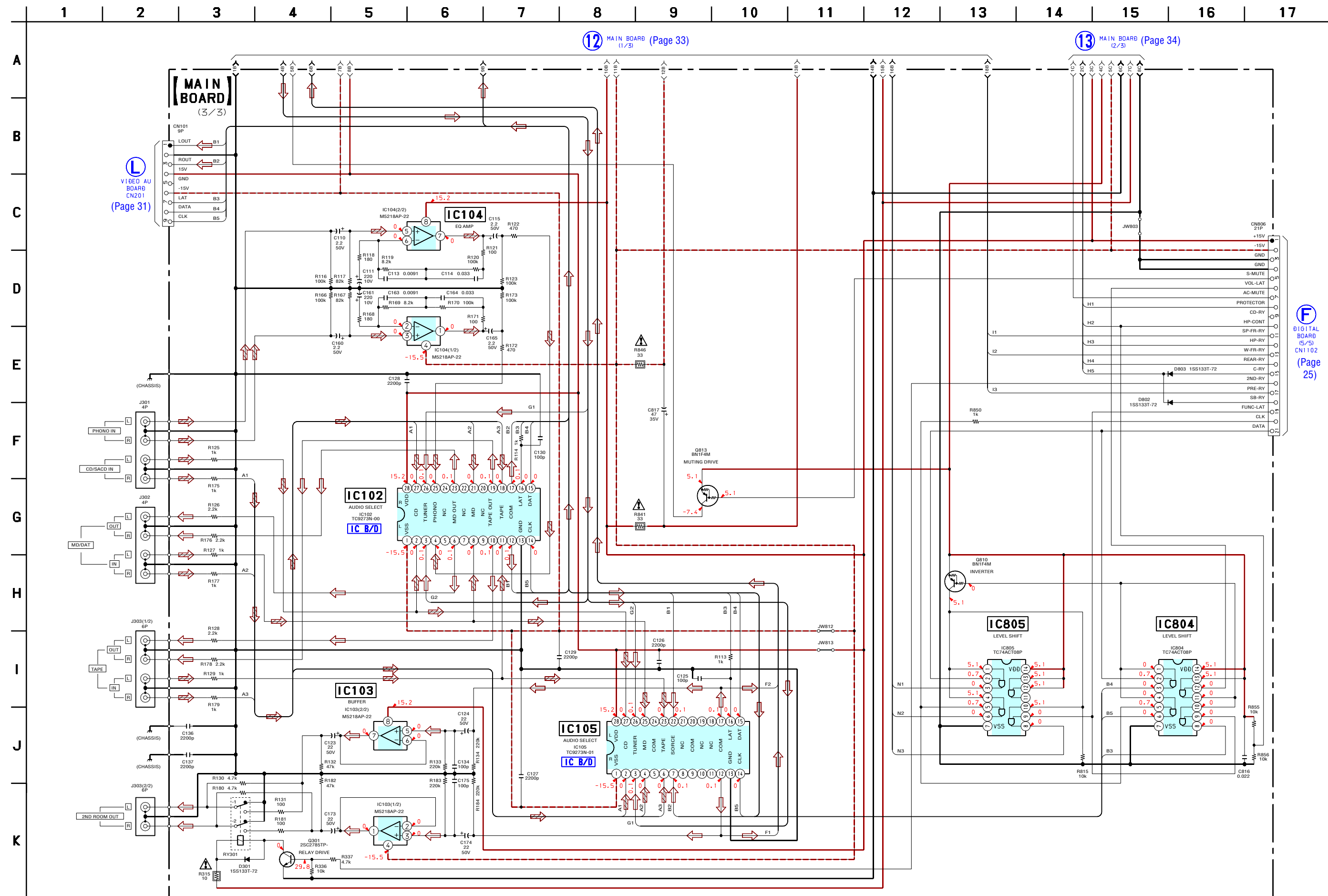




The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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

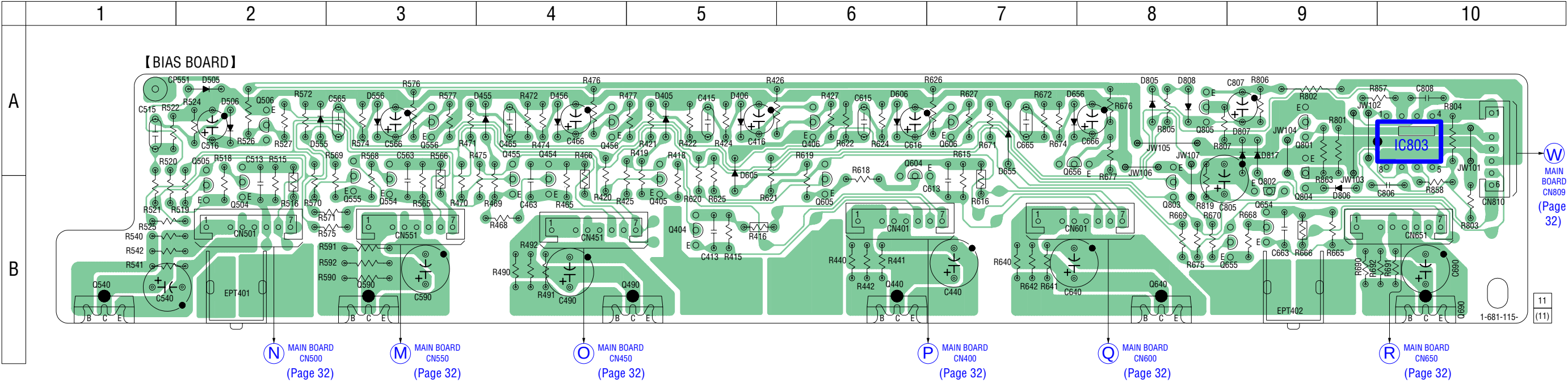
6-22. SCHEMATIC DIAGRAM – MAIN Board (3/3) – • See page 44 for IC Block Diagrams.



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

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

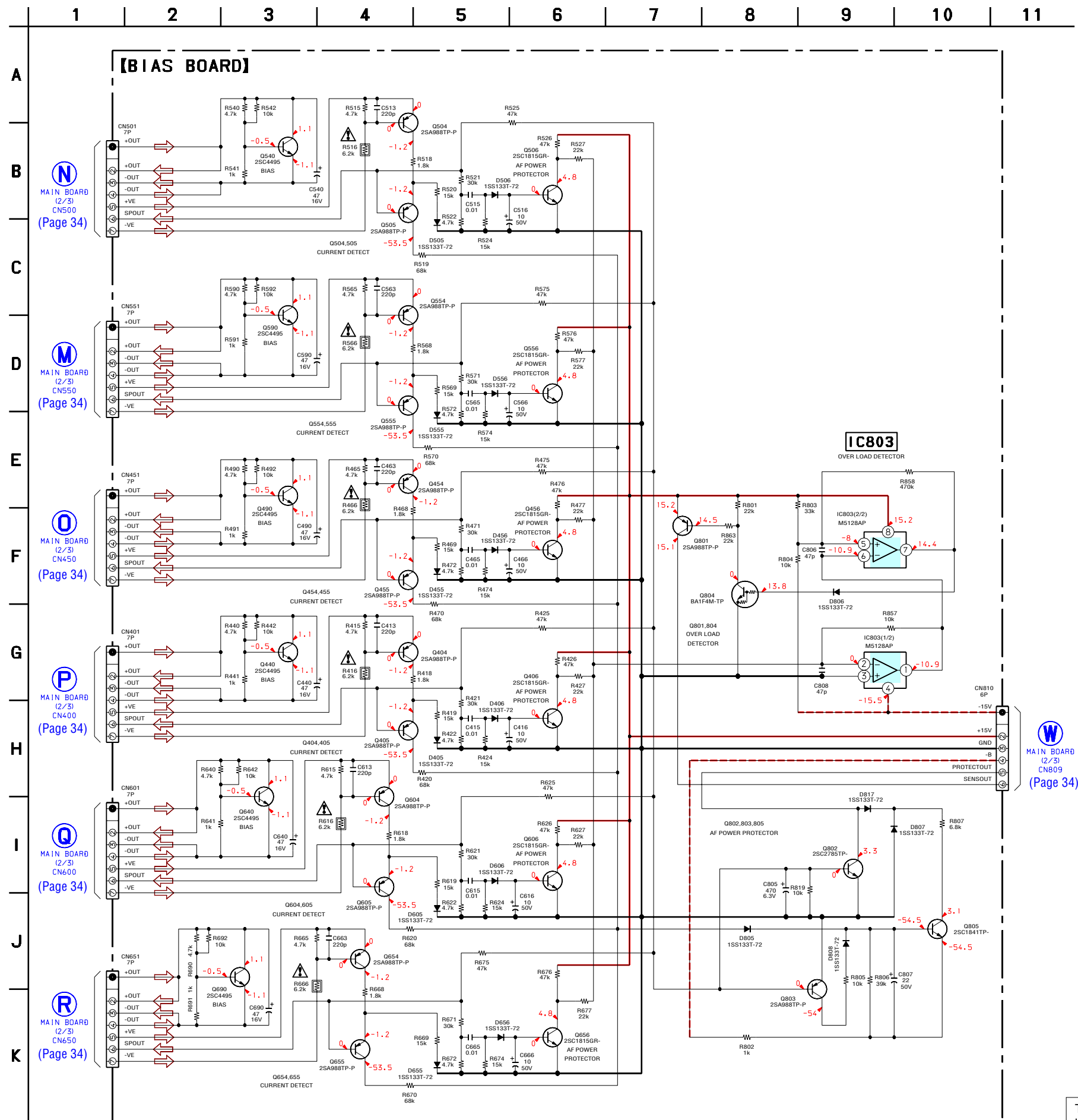
6-23. PRINTED WIRING BOARD – BIAS Board – • See page 20 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D405	A-5	Q455	B-4
D406	A-5	Q456	A-4
D455	A-4	Q490	B-5
D456	A-4	Q504	B-2
D505	A-2	Q505	B-2
D506	A-2	Q506	A-2
D555	A-2	Q540	B-1
D556	A-3	Q554	B-3
D605	A-5	Q555	B-3
D606	A-6	Q556	A-3
D655	A-7	Q590	B-3
D656	A-7	Q604	A-6
D805	A-8	Q605	B-6
D806	B-9	Q606	A-7
D807	A-9	Q640	B-8
D808	A-8	Q654	B-9
D817	A-9	Q655	B-9
		Q656	A-7
IC803	A-10	Q690	B-10
		Q801	A-9
Q404	B-5	Q802	B-9
Q405	B-5	Q803	B-8
Q406	A-6	Q804	A-9
Q440	B-6	Q805	A-8
Q454	B-4		

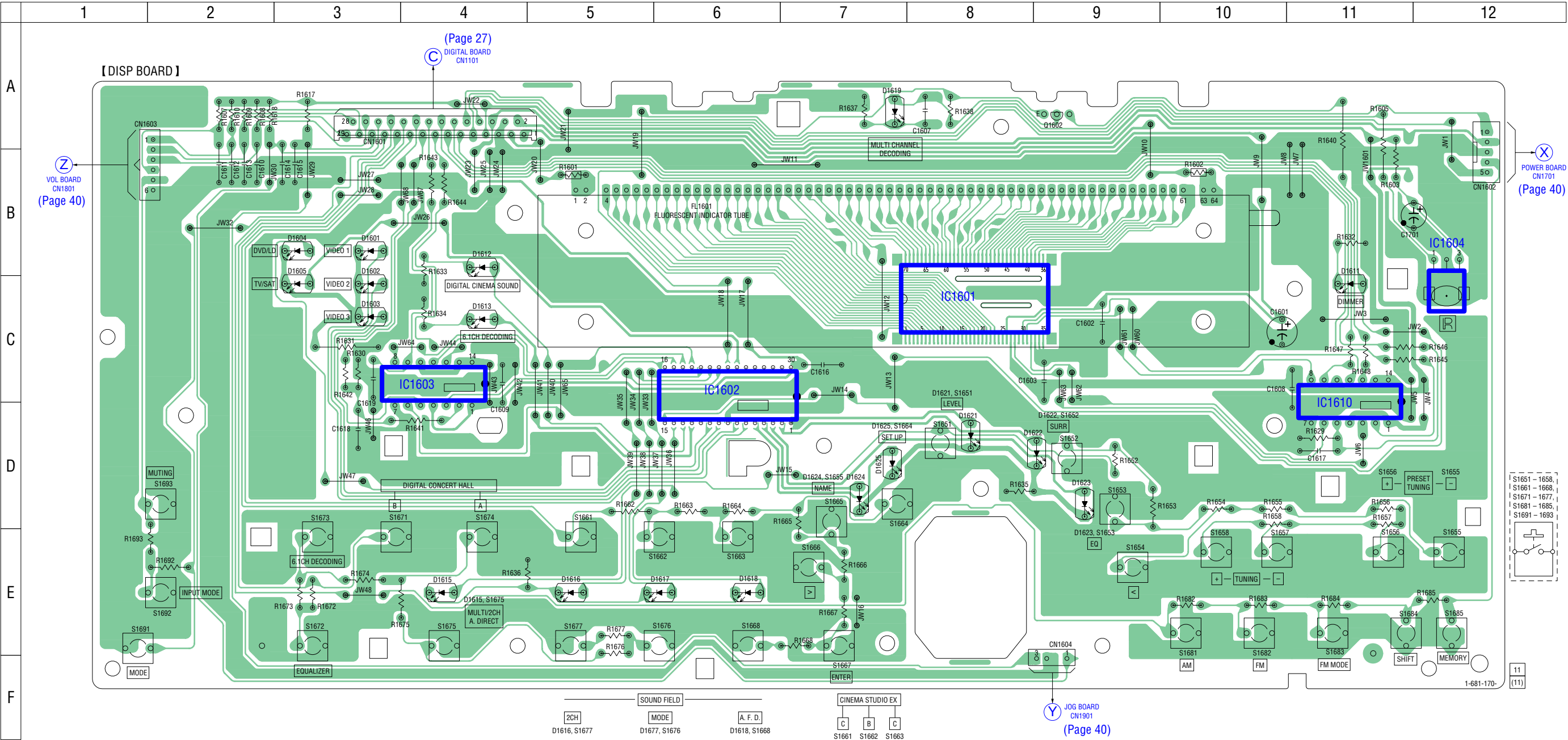
6-24. SCHEMATIC DIAGRAM – BIAS Board –



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

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

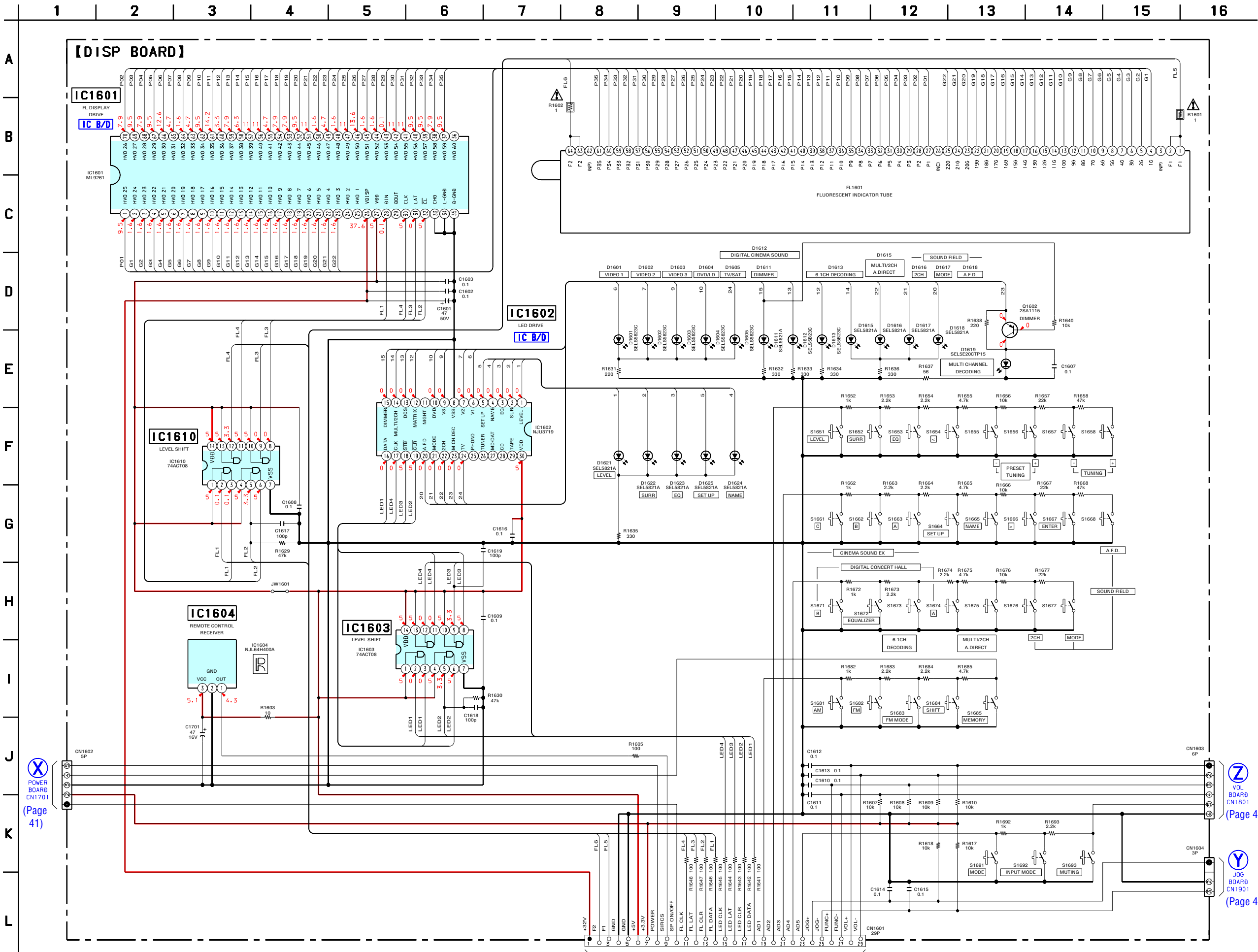
6-25. PRINTED WIRING BOARD – DISP Board – • See page 20 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1601	B-3	D1621	D-8
D1602	C-3	D1622	D-9
D1603	C-3	D1623	D-9
D1604	B-3	D1624	D-7
D1605	C-3	D1625	D-7
D1611	C-11		
D1612	B-4	IC1601	C-8
D1613	C-4	IC1602	C-6
D1615	E-4	IC1603	C-4
D1616	E-5	IC1604	C-12
D1617	E-6	IC1610	C-11
D1618	E-6		
D1619	A-7	Q1602	A-9

6-26. SCHEMATIC DIAGRAM – DISP Board – • See page 44 for IC Block Diagrams.

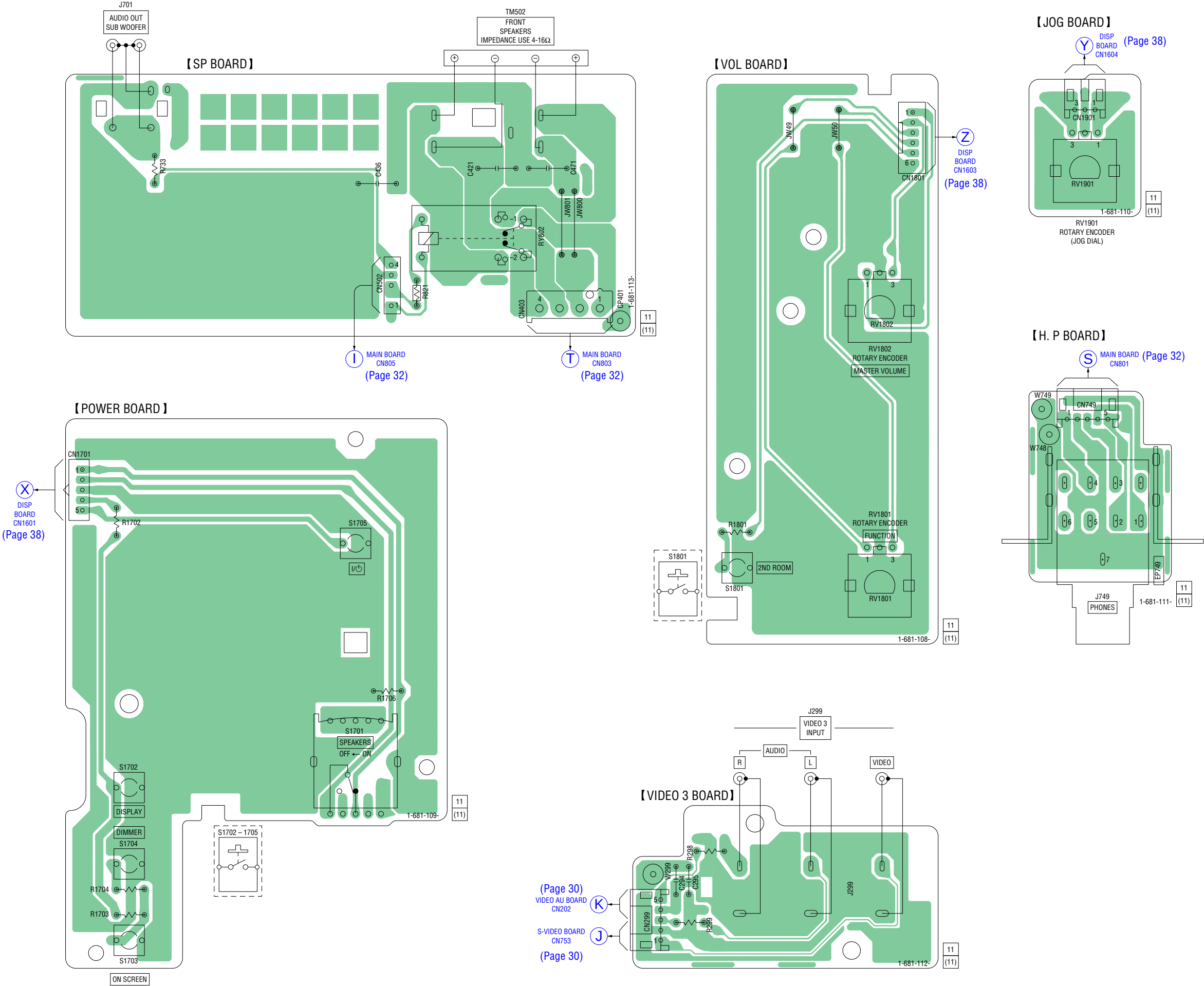


POWER BOARD
CN1701
(Page 41)

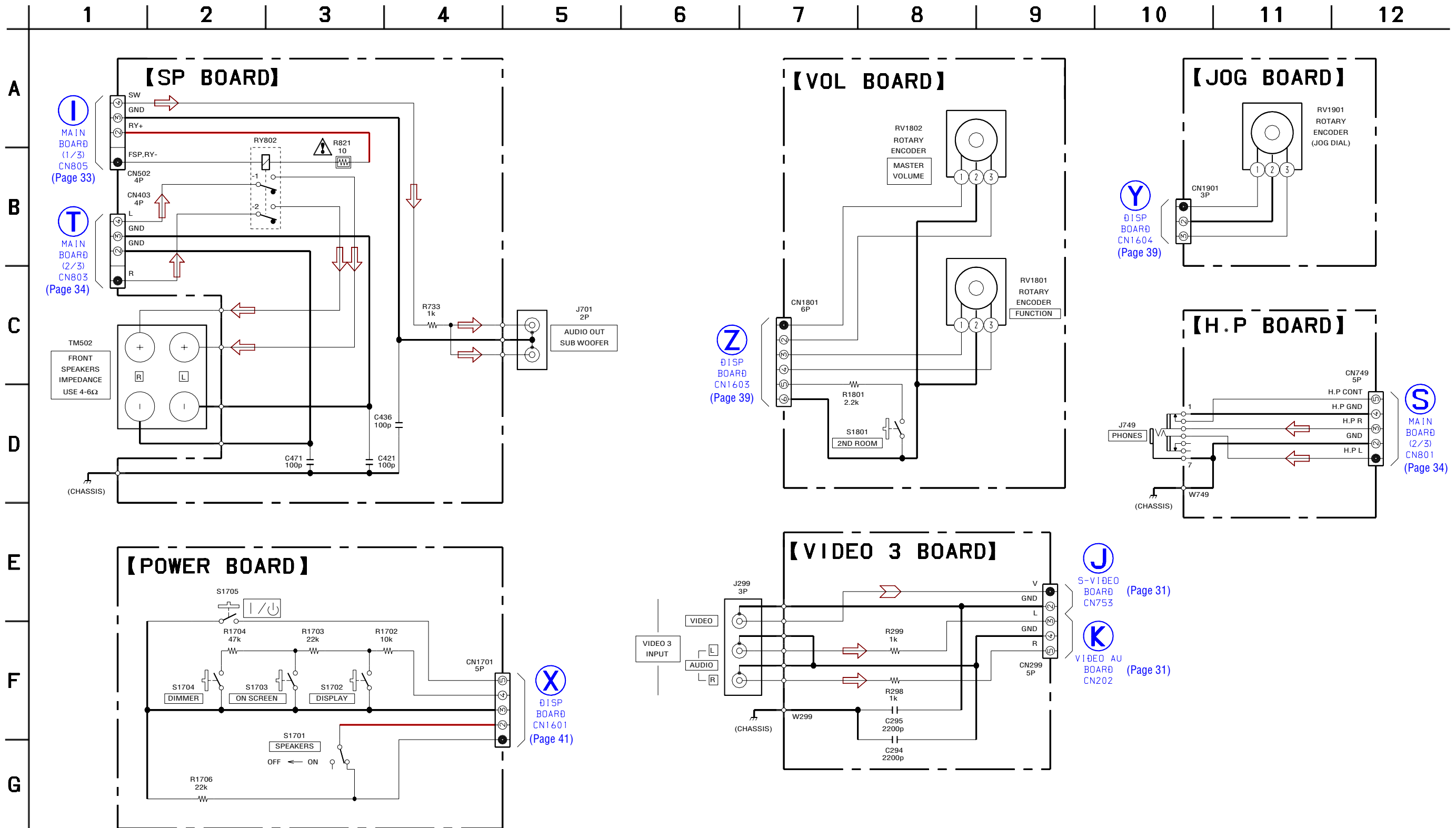
VOL BOARD
CN1801
(Page 41)

JOG BOARD
CN1901
(Page 41)

6-27. PRINTED WIRING BOARDS – H.P/JOG/POWER/SP/VIDEO 3/VOL Boards – • See page 20 for Circuit Boards Location.



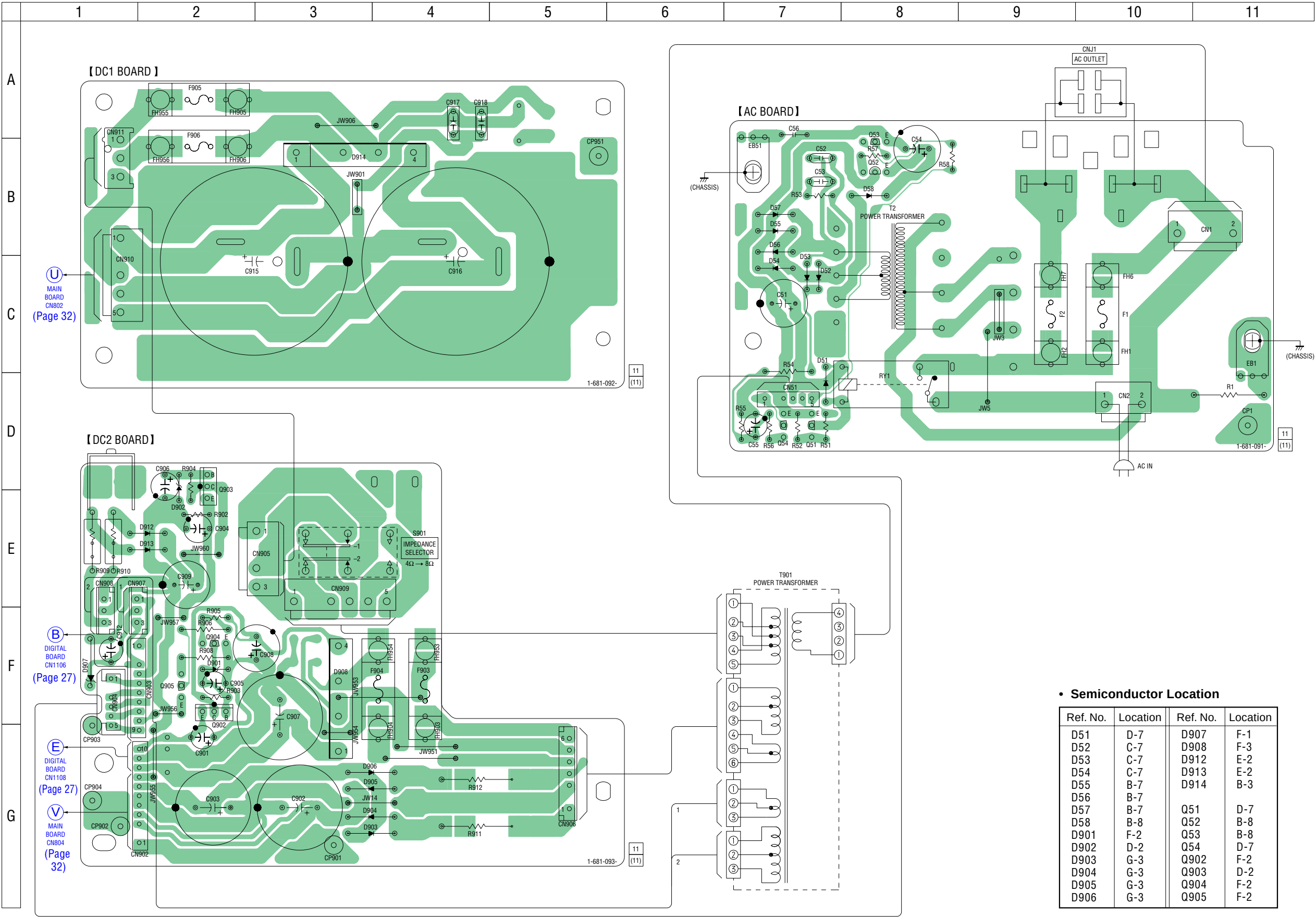
6-28. SCHEMATIC DIAGRAM – H.P/JOG/POWER/SP/VIDEO 3/VOL Boards –



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

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

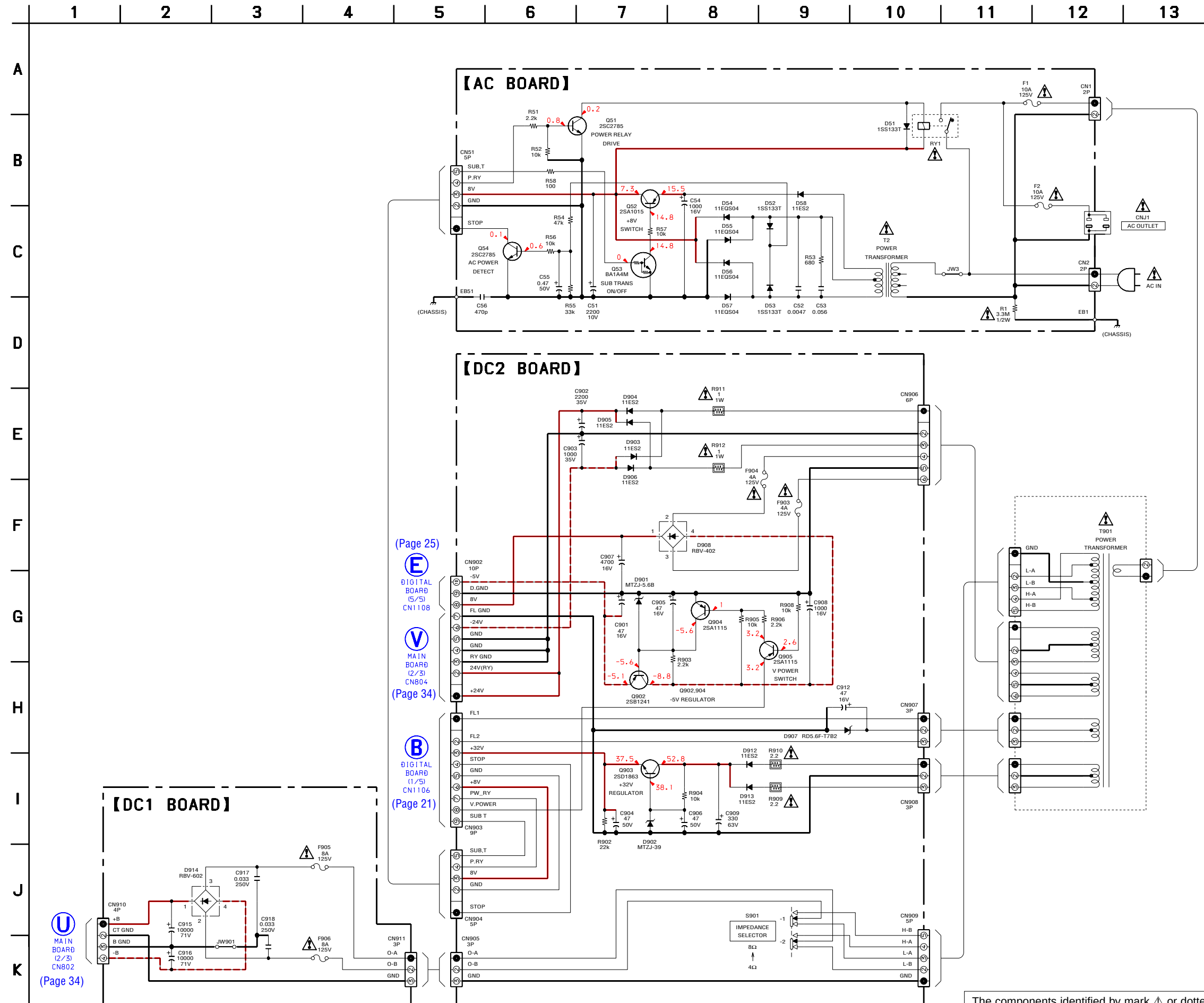
6-29. PRINTED WIRING BOARDS – POWER SUPPLY Section – • See page 20 for Circuit Boards Location.



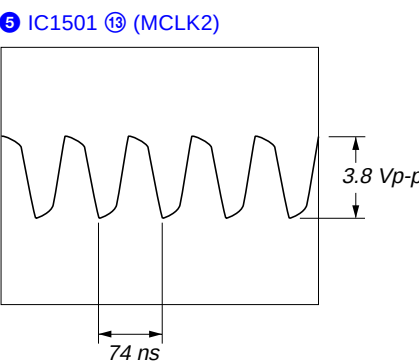
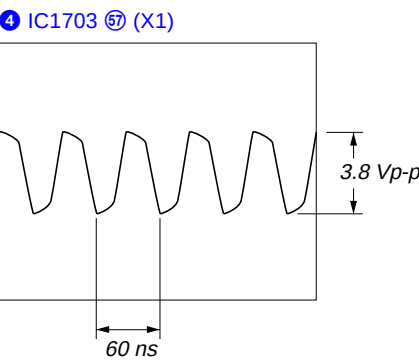
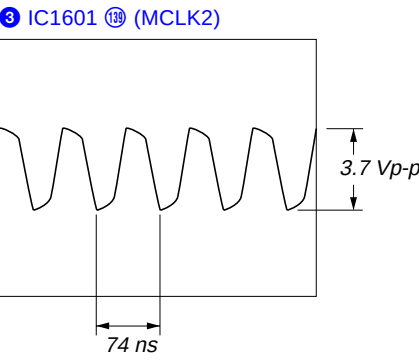
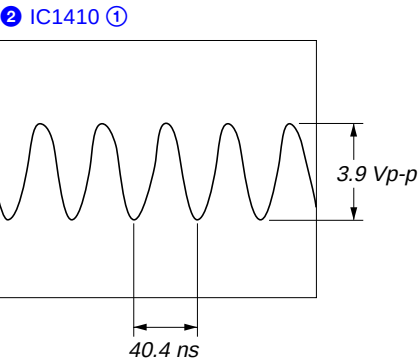
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D51	D-7	D907	F-1
D52	C-7	D908	F-3
D53	C-7	D912	E-2
D54	C-7	D913	E-2
D55	B-7	D914	B-3
D56	B-7		
D57	B-7	Q51	D-7
D58	B-8	Q52	B-8
D901	F-2	Q53	B-8
D902	D-2	Q54	D-7
D903	G-3	Q902	F-2
D904	G-3	Q903	D-2
D905	G-3	Q904	F-2
D906	G-3	Q905	F-2

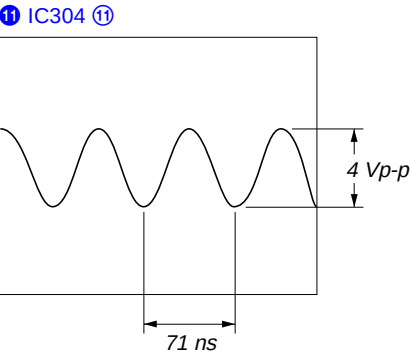
6-30. SCHEMATIC DIAGRAM – POWER SUPPLY Section –



• Waveforms
– DIGITAL Board –

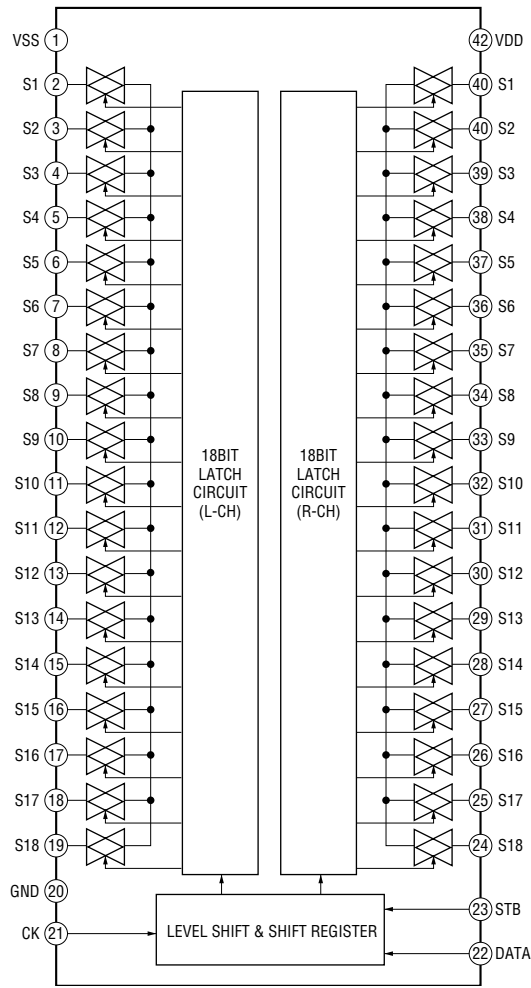


– VIDEO Board –



• IC Block Diagrams

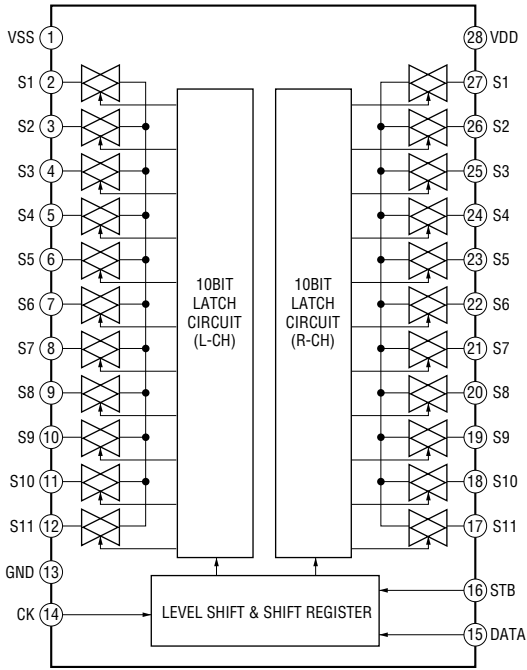
IC101 TC9274N-016 (MAIN Board)



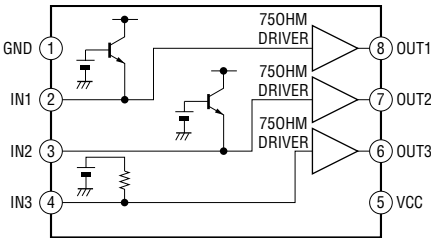
IC201 TC9273N-014 (VIDEO AU Board)

IC102 TC9273N-004 (MAIN Board)

IC105 TC9273N-013 (MAIN Board)

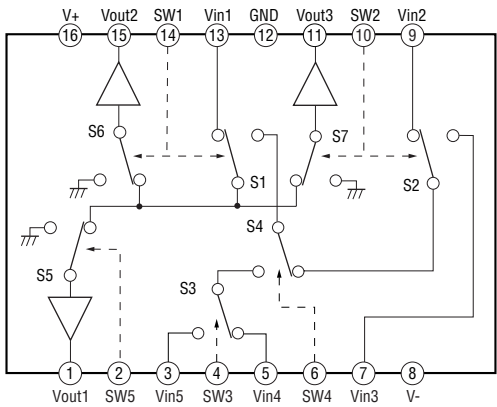


IC305 BA7622 (VIDEO Board)

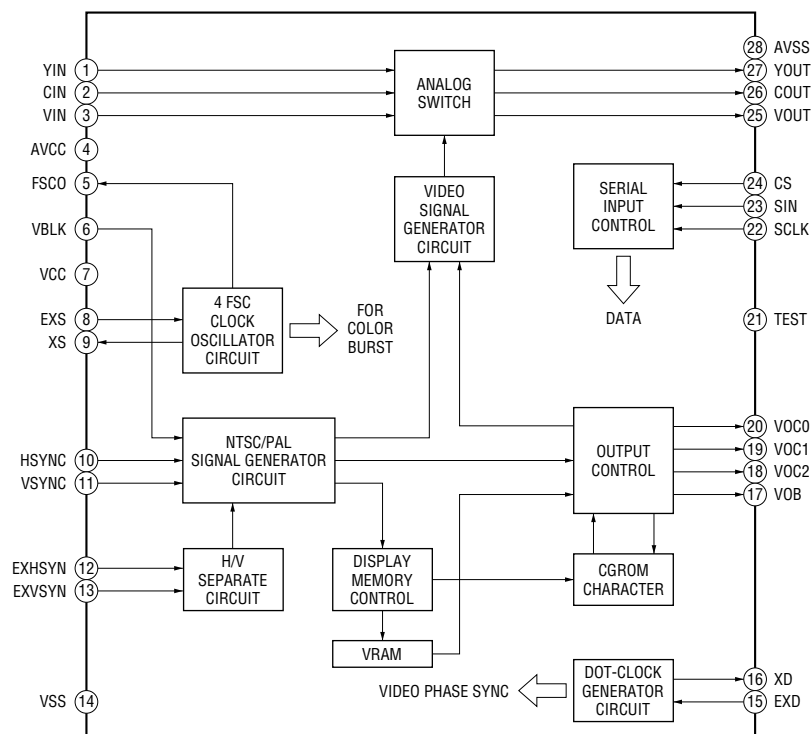


IC308 NJM2296D (VIDEO Board)

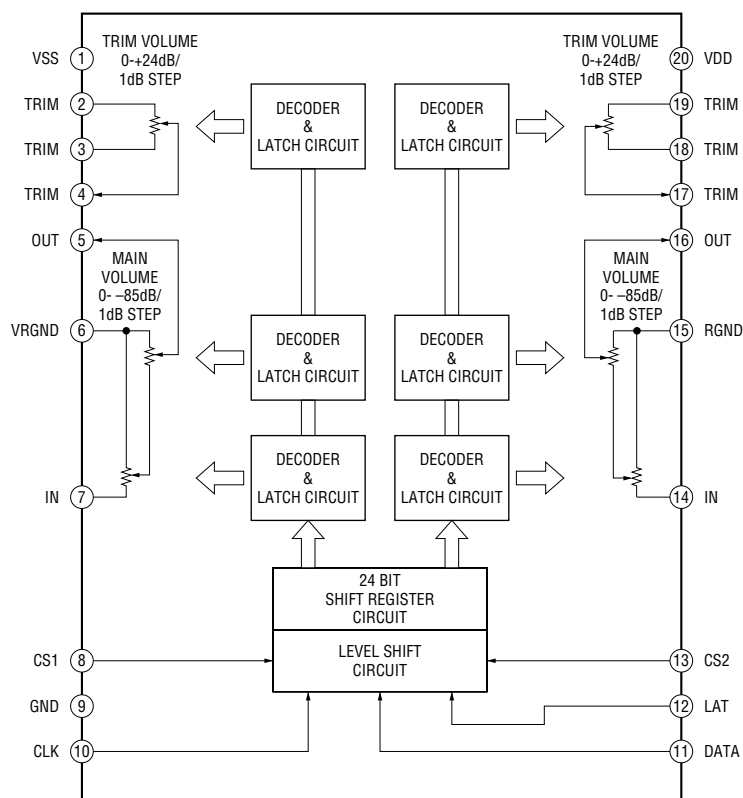
IC750, 752 NJM2296D (S-VIDEO Board)



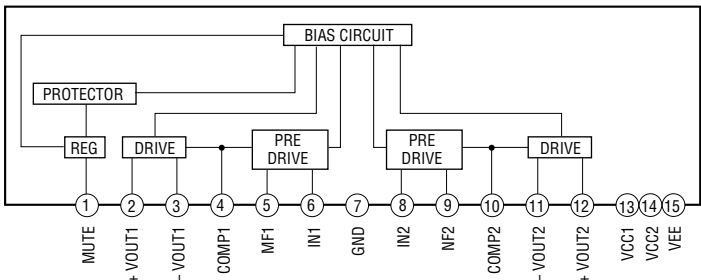
IC307 MB90089F-G-238-BND (VIDEO Board)



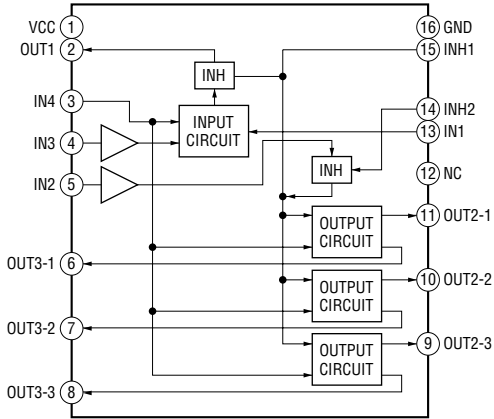
IC401, 501, 601, 701 TC94A07P (MAIN Board)



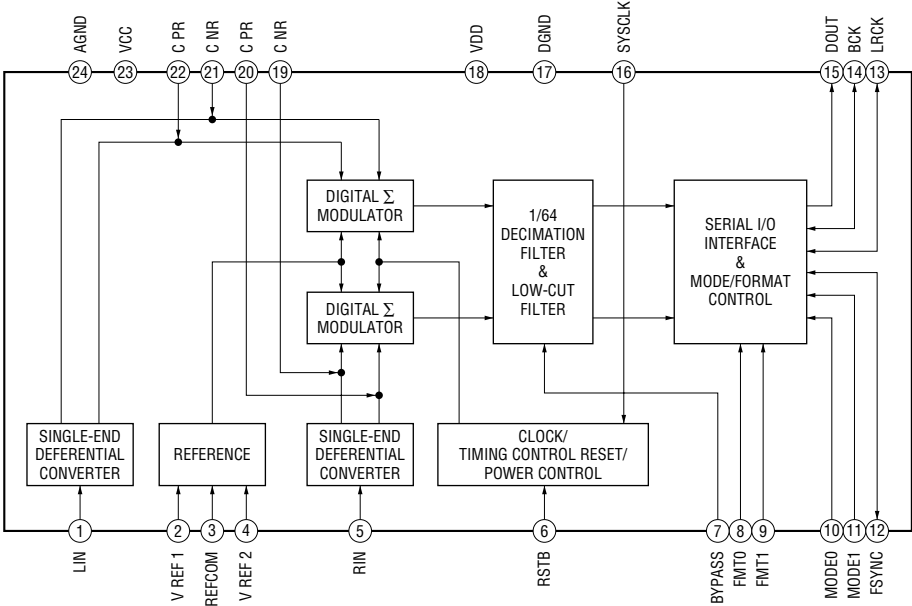
IC403, 503, 603 μ PC2581V (MAIN Board)



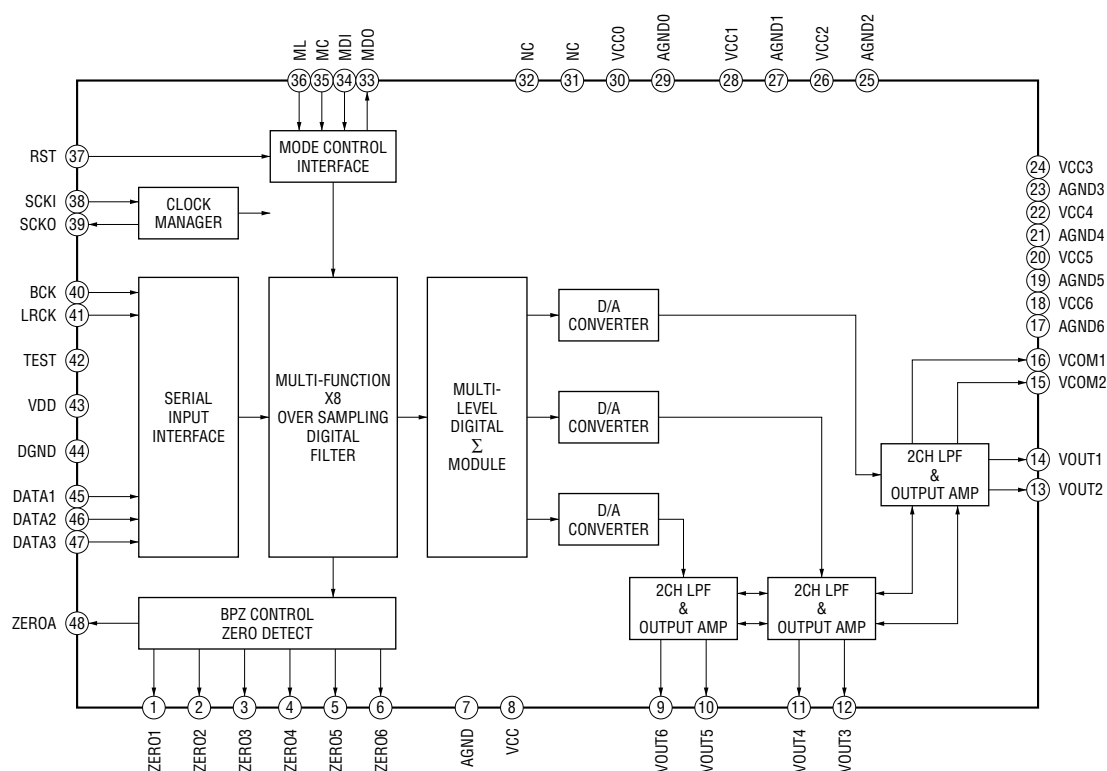
IC751 NJM2145D (S-VIDEO Board)



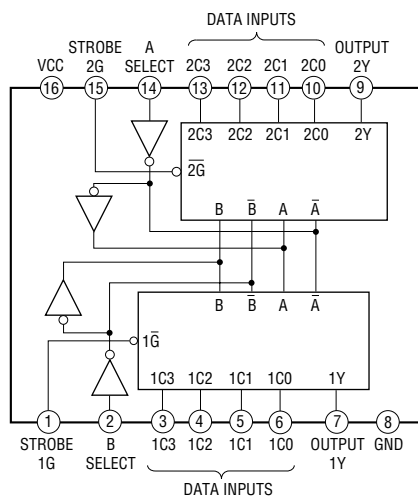
IC1101 PCM1800E/2K (DIGITAL Board)



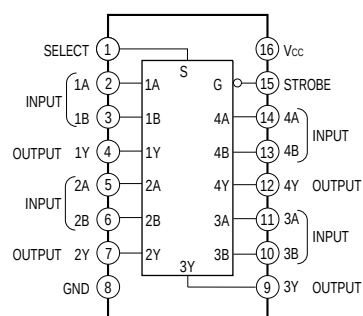
IC1201 PCM1604Y/2K (DIGITAL Board)



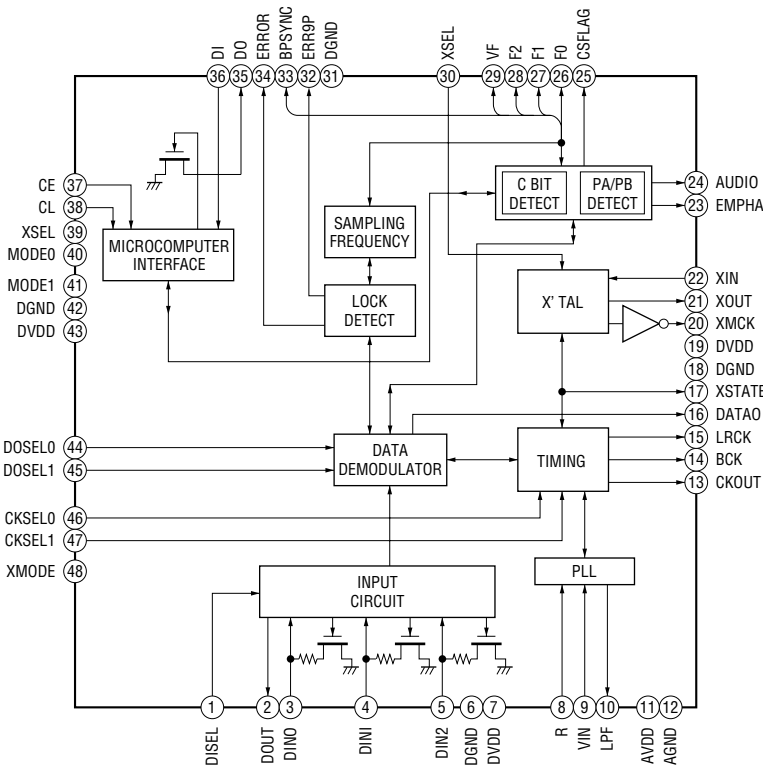
IC1406 SN74HC153ANS (DIGITAL Board)



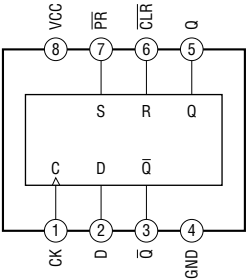
IC1407 TC7WH157FU (TE12R) (DIGITAL Board)



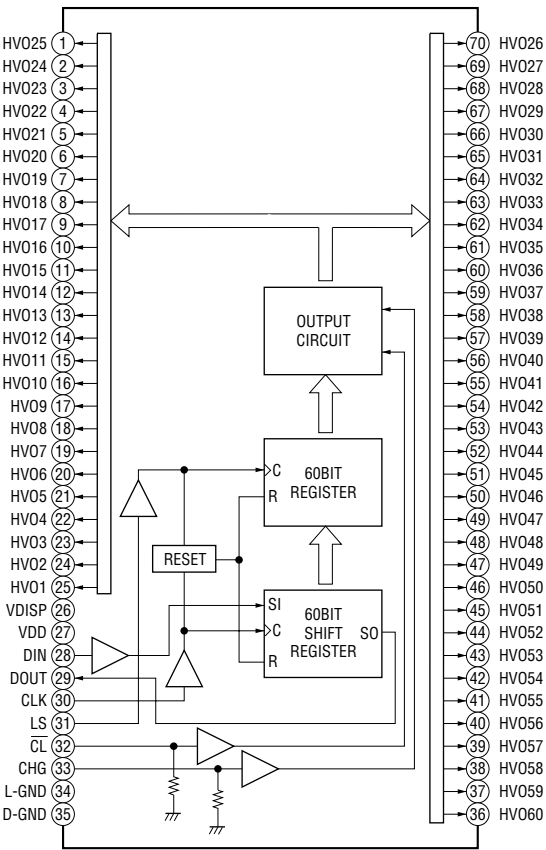
IC1408 LC89056W-E (DIGITAL Board)



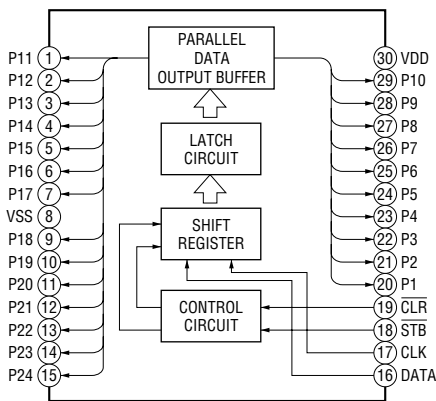
IC1409 TC7WH74FU (TE12R) (DIGITAL Board)



IC1601 ML9261MB (DISP Board)



IC1602 NJU3719L (DISP Board)



6-31. IC PIN FUNCTION DESCRIPTION**• DIGITAL BOARD IC1201 PCM1604Y/2K (D/A CONVERTER)**

Pin No.	Pin Name	I/O	Description
1 to 6	ZER01 to ZER06	I	Not used (open)
7	AGND	—	Ground terminal (for analog)
8	VCC	—	Power supply terminal (+5V)
9	VOU6	O	Analog negative signal output to the line amp (IC1261)
10	VOU5	O	Analog negative signal output to the line amp (IC1261)
11	VOU4	O	Analog negative signal output to the line amp (IC1241)
12	VOU3	O	Analog negative signal output to the line amp (IC1241)
13	VOU2	O	Analog negative signal output to the line amp (IC1221)
14	VOU1	O	Analog negative signal output to the line amp (IC1221)
15	VCOM2	O	Common voltage output terminal
16	VCOM1	O	Large external capacitor is used to reduce power supply noise
17	AGND6	—	Ground terminal (for analog)
18	VCC6	—	Power supply terminal (+5V)
19	AGND5	—	Ground terminal (for analog)
20	VCC5	—	Power supply terminal (+5V)
21	AGND4	—	Ground terminal (for analog)
22	VCC4	—	Power supply terminal (+5V)
23	AGND3	—	Ground terminal (for analog)
24	VCC3	—	Power supply terminal (+5V)
25	AGND2	—	Ground terminal (for analog)
26	VCC2	—	Power supply terminal (+5V)
27	AGND1	—	Ground terminal (for analog)
28	VCC1	—	Power supply terminal (+5V)
29	AGND0	—	Ground terminal (for analog)
30	VCC0	—	Power supply terminal (+5V)
31, 32	NC	—	Not used (open)
33	MDO	O	Serial data output to the system control (IC1703)
34	MDI	I	Serial data input from the system controller (IC1703)
35	MC	I	Clock signal input from the system controller (IC1703)
36	ML	I	Latch signal input from the system controller (IC1703)
37	RST	I	Reset signal input from the system controller (IC1703)
38	SCKI	I	Serial clock signal input from the audio DSP2 (IC1601)
39	SCKO	O	Serial clock signal output terminal Not used (open)
40	BCK	I	Bit clock signal input from the audio DSP2 (IC1601)
41	LRCK	I	L/R sampling clock signal input from the audio DSP2 (IC1601)
42	TEST	I	Test data input terminal (fixed at “L”)
43	VDD	—	Power supply terminal (+5V)
44	DGND	—	Ground terminal (for digital)
45	DATA1	I	Audio serial data1 input from the audio DSP2 (IC1601)
46	DATA2	I	Audio serial data2 input from the audio DSP2 (IC1601)
47	DATA3	I	Audio serial data3 input from the audio DSP2 (IC1601)
48	ZER0A	I	Zero input detect terminal Not used (open)

• DIGITAL BOARD IC1408 LC89056W-E (DIGITAL AUDIO INTERFACE RECEIVER)

Pin No.	Pin Name	I/O	Description
1	DISEL	I	Input data select terminal (fixed at “L”)
2	DOUT	O	EIAJ data and parity output terminal Not used (open)
3	DIN0	I	Amp integrate data input from the select switch (IC1406)
4	DIN1	O	Amp integrate data input terminal Not used (fixed at “L”)
5	DIN2	I	Amp integrate data input terminal Not used (fixed at “L”)
6	DGND	—	Ground terminal (for digital)
7	DVDD	—	Power supply terminal (+5V) (for digital)
8	R	I	Input terminal for VCO generator band adjustment
9	VIN	I	Input terminal for VCO self running frequency set
10	LPF	O	External LPF for PLL is connected to this terminal
11	AVDD	—	Power supply terminal (+5V) (for analog)
12	AGND	—	Ground terminal (for analog)
13	CKOUT	O	Clock signal output to the audio DSP1, 2 (IC1501, 1601)
14	BCK	O	Bit clock signal output to the A/D converter (IC1101) and audio DSP1 (IC1501)
15	LRCK	O	L/R sampling clock signal output to the A/D converter (IC1101) and audio DSP1, 2 (IC1501, 1601)
16	DATAO	O	Audio data output to the system controller (IC1703) and audio DSP1 (IC1501)
17	XSTATE	O	Clock status flag output to the system controller (IC1703)
18	DGND	—	Ground terminal (for digital)
19	DVDD	—	Power supply terminal (+5V) (for digital)
20	XMCK	O	Clock signal outout to the A/D converetr (IC1101) (24.576MHz)
21	XOUT	O	Clock output terminal Not used (open)
22	XIN	I	Clock input from the clock oscillator (IC1410) (24.576MHz)
23	EMPHA	O	Emphasis monitor output terminal “H”: on Not used (open)
24	AUDIO	O	Audio transfer signal output to the audio DSP1 (IC1501)
25	CSFLAG	O	Not used (open)
26 to 29	F0/P0/C0 to F3/P3/C3	O	Terminal for check Not used (open)
30	DVDD	—	Power supply terminal (+5V) (for digital)
31	DGND	—	Ground terminal (for digital)
32	AUTO	O	Not used (open)
33	BPSYNC	O	Not used (open)
34	ERROR	O	Error mute output to the system controller (IC1703) and audio DSP1 (IC1501)
35	DO	O	Data output to the system controller (IC1703)
36	DI	I	Data input from the system controller (IC1703)
37	CE	I	Chip enable signal input from the system controller (IC1703)
38	CLK	I	Clock signal input from the system controller (IC1703)
39	XSEL	I	Clock select terminal (fixed at “H”)
40, 41	MODE0, MODE1	I	Mode setting input terminal (fixed at “L”)
42	DGND	—	Ground terminal (for digital)
43	DVDD	—	Power supply terminal (+5V) (for digital)
44, 45	DOSEL0, DOSEL1	I	Data format select signal input terminal (fixed at “L”)
46	CKSEL0	I	System clock select signal input terminal (fixed at “L”)
47	CKSEL1	I	System clock select signal input from the system controller (IC1703)
48	XMODE	I	Reset signal input from the system controller (IC1703)

• **DIGITAL BOARD IC1501 CDX9617R (AUDIO DSP1)**

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	XRST	I	Reset signal input from the system controller (IC1703)
3	EXTIN	I	Master clock input terminal Not used (fixed at “L”)
4	FS2	I	Sampling frequency select signal input terminal Not used (fixed at “L”)
5	VDDI	—	Power supply terminal (+2.5V)
6	FS1	I	Sampling frequency select signal input terminal Not used (fixed at “L”)
7	PLOCK	O	Internal PLL lock signal output terminal Not used (open)
8	VSS	—	Ground terminal
9	MCLK1	I	System clock input terminal (13.5MHz)
10	VDDI	—	Power supply terminal (+2.5V)
11	VSS	—	Ground terminal
12	MCLK2	O	System clock output terminal (13.5MHz)
13	MS	I	Master/slave active select terminal “L”: internal clock, “H”: external clock
14	SCKOUT	O	Internal system clock output terminal Not used (open)
15	LRCKI1	I	L/R sampling clock signal input from the audio interface receiver (IC1408)
16	VDDE	—	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal input from the audio interface receiver (IC1408)
18	SDI1	I	Audio data input from the A/D converter (IC1503)
19	LRCKO	O	L/R sampling clock signal output to the audio DSP2 (IC1601)
20	BCKO	O	Bit clock signal output to the audio DSP2 (IC1601)
21	VSS	—	Ground terminal
22	KFSIO	I/O	Audio clock signal (384fs/256fs) in/out terminal
23 to 26	SDO1 to SDO4	O	Audio serial data output to the audio DSP2 (IC1601)
27	SPDIF	O	S/PDIF output terminal Not used (open)
28	LRCKI2	I	L/R sampling clock signal input from the audio interface receiver (IC1408)
29	BCKI2	I	Bit clock signal input from the audio interface receiver (IC1408)
30	SDI2	I	Audio serial data input from the audio interface receiver (IC1408)
31	VSS	—	Ground terminal
32	HACN	O	Host acknowledge signal output to the system controller (IC1703)
33	HDIN	I	Host serial data input from the system controller (IC1703)
34	HCLK	I	Host clock signal input from the system controller (IC1703)
35	HDOUT	O	Host serial data output to the system controller (IC1703)
36	HCS	I	Host chip select input from the system controller (IC1703)
37	SDCLK	O	SD-RAM clock output terminal Not used (open)
38	CLKEN	O	SD-RAM clock enable output terminal Not used (open)
39	RAS	O	Row address strobe signal output terminal Not used (open)
40	VDDI	—	Power supply terminal (+2.5V)
41	VSS	—	Ground terminal
42	CAS	O	Column address strobe signal output terminal Not used (open)
43	DQM/OE0	O	Mask data output terminal
44	CS0	O	Chip select signal output to the S-RAM (IC1502)
45	WE0	O	Write enable signal output to the S-RAM (IC1502)
46	VDDE	—	Power supply terminal (+3.3V)
47	WMD1	I	External memory wait mode setting terminal (fixed at “H”)
48	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
49	WMD0	I	External memory wait mode setting terminal (fixed at “H”)
50	PAGE2	O	External memory page select signal output terminal Not used (open)
51	VSS	—	Ground terminal
52, 53	PAGE1, PAGE0	O	External memory page select signal output terminal Not used (open)
54	BOOT	I	Boot mode control signal input terminal Not used (fixed at “L”)
55	BTACT	O	Boot mode display signal output terminal Not used (open)
56	BST	I	Boot strap signal input from the system controller (IC1703)
57	MOD1	I	Mode select signal input terminal “L”: 384fs, “H”: 256fs
58	MOD0	I	Mode select signal input terminal “L”: single chip mode, “H”: can not use
59	EXLOCK	I	Error lock signal input from the digital audio interface receiver (IC1408)
60	VDDI	—	Power supply terminal (+2.5V)
61	VSS	—	Ground terminal
62, 63	A17, A16	O	Address signal output terminal Not used (open)
64 to 66	A15 to A13	O	Address signal output to the S-RAM (IC1502)
67	GP10	I	Serial clock input from the audio DSP2 (IC1601)
68	GP9	O	Signal output to the system controller (IC1703)
69	GP8	I	Audio transfer signal output to the digital audio interface receiver (IC1408)
70	VDDI	—	Power supply terminal (+2.5V)
71	VSS	—	Ground terminal
72 to 75	D15/GP7 to D12/GP4	I/O	Two-way data bus with the S-RAM (IC1502)
76	VDDE	—	Power supply terminal (+3.3V)
77 to 80	D11/GP3 to D8/GP0	I/O	Two-way data bus with the S-RAM (IC1502)
81	VSS	—	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM (IC1502)
86	TDO	O	Emulation data output terminal Not used (open)
87	TMS	I	Emulation data input start/end select terminal Not used (open)
88	XTRST	I	Emulation break signal input terminal Not used (open)
89	TCK	I	Emulation clock signal input terminal Not used (open)
90	TDI	I	Emulation data input terminal Not used (open)
91	VSS	—	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM (IC1502)
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM (IC1502)
100	VDDI	—	Power supply terminal (+2.5V)
101	VSS	—	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM (IC1502)
106	VDDE	—	Power supply terminal (+3.3V)
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM (IC1502)
109, 110	A2, A1	O	Address signal output to the S-RAM (IC1502)
111	VSS	—	Ground terminal
112	A0	O	Address signal output to the S-RAM (IC1502)
113	PM	I	PLL initialize signal input from the system controller (IC1703)
114	SDI3, SDI4	I	Audio serial data input data terminal Not used (open)
116	SYNC	I	Sync/unsync select signal input terminal “L”: sync (fixed at “H”)
117 to 119	VSS	—	Ground terminal
120	VDDI	—	Power supply terminal (+2.5V)

• **DIGITAL BOARD IC1601 CXD9616R (AUDIO DSP2)**

Pin No.	Pin Name	I/O	Description
1	VDDI	—	Power supply terminal (+2.5V)
2	EXTIN	I	Not used (fixed at “L”)
3, 4	WMD1, WMD0	I	External memory wait mode setting terminal (fixed at “H”)
5	MOD1	I	Mode select signal input terminal “L”: 384fs, “H”: 256fs
6	MOD0	I	Mode select signal input terminal “L”: single chip mode, “H”: can not use
7	VSS	—	Ground terminal
8	XRST	I	Reset signal input from the system controller (IC1703)
9	VSS	—	Ground terminal
10	SCKOUT	O	Serial clock signal output to the D/A converter (IC1201, 1202)
11	VDDI (PLL)	—	Power supply terminal (+2.5V) (for PLL)
12	SYNC	I	Sync/unsync select signal input terminal “L”: sync
13 to 15	PAGE2 to PAGE0	O	External memory page select signal output terminal Not used (open)
16	PLOCK	O	Internal PLL lock signal output teminal Not used (open)
17	BTACK	I	Boot mode display signal output teminal Not used (open)
18	VDDE	—	Power supply terminal (+3.3V)
19	VSS	—	Ground terminal
20 to 22	D31 to D29	I/O	Two-way data bus with the S-RAM (IC1602)
23	A17	O	Address signal output terminal Not used (open)
24	VSS	—	Ground terminal
25	SDO3	O	Audio serial data output to the D/A converter (IC1201)
26	SDO4	O	Audio serial data output to the D/A converter (IC1202)
27, 28	SDI1, SDI2	I	Audio serial data input from the audio DSP1 (IC1501)
29	LRCKI1	I	L/R sampling clock signal input from the audio DSP1 (IC1501)
30	VSS	—	Ground terminal
31, 32	D28, D27	I/O	Two-way data bus with the S-RAM (IC1602)
33	A16	O	Address signal output terminal Not used (open)
34	A15	O	Address signal output to the S-RAM (IC1602)
35	SDI3	I	Audio serial date input from the audio DSP1 (IC1501)
36	L2	—	Not used (open)
37	VDDI	—	Power supply terminal (+2.5V)
38	BCKI1	I	Bit clock signal input from the audio DSP1 (IC1501)
39	SDI4	I	Audio serial data input from the audio DSP1 (IC1501)
40	MS	I	Master/slave active select terminal “L”: internal clock, “H”: external clock (fixed at “L”)
41, 42	A14, A13	O	Address signal output to the S-RAM (IC1602)
43, 44	D26, D25	I/O	Two-way data bus with the S-RAM (IC1602)
45	VSS	—	Ground terminal
46	BCKI2	I	Bit clock signal input terminal Not used (open)
47, 48	FS2, FS1	I	Sampling frequency select signal input terminal Not used (open)
49	SPDIF	I	S/PDIF output terminal Not used (open)
50	A12	O	Address signal output to the S-RAM (IC1602)
51 to 53	D24 to D22	I/O	Two-way data bus with the S-RAM (IC1602)
54	VDDE	—	Power supply terminal (+3.3V)
55	VSS	—	Ground terminal
56 to 58	D21 to D19	I/O	Two-way data bus with the S-RAM (IC1602)
59	A11	O	Address signal output to the S-RAM (IC1602)

Pin No.	Pin Name	I/O	Description
60, 61	SDO1, SDO2	O	Audio serial data output to the D/A converter (IC1201)
62	KFSIO	I/O	Audio clock signal (384fs/256fs) in/out terminal
63	LRCKO	O	L/R sampling clock signal output to the D/A converter (IC1201, 1202)
64	BCKO	O	Bit clock signal output to the D/A converter (IC1201, 1202)
65	VDDI	—	Power supply terminal (+2.5V)
66	VSS	—	Ground terminal
67, 68	D18, D17	I/O	Two-way data bus with the S-RAM (IC1602)
69, 70	A10, A9	O	Address signal output to the S-RAM (IC1602)
71	CAS	O	Column address strobe signal output terminal Not used (open)
72	RAS	O	Row address strobe signal output terminal Not used (open)
73	VDDI	—	Power supply terminal (+2.5V)
74	HDIN	I	Host serial data input from the system contrller (IC1703)
75	HCLK	I	Host clock signal input from the system contrller (IC1703)
76	HCS	I	Host chip select input from the system contrller (IC1703)
77, 78	A8, A7	O	Address signal output to the S-RAM (IC1602)
79	D16	I/O	Two-way data bus with the S-RAM (IC1602)
80	D15	I/O	Two-way data bus terminal Not used (open)
81	VSS	—	Ground terminal
82	HDOUT	O	Host serial data input from the system contrller (IC1703)
83	HACN	O	Host acknowledge signal output to the system controller (IC1703)
84	CSO	O	Chip select signal output to the S-RAM (IC1602)
85	WEO	O	Write enable signal output to the S-RAM (IC1602)
86	A6	O	Address signal output to the S-RAM (IC1602)
87 to 89	D14 to D12	I/O	Two-way data bus terminal Not used (open)
90	VDDE	—	Power supply terminal (+3.3V)
91	VSS	—	Ground terminal
92 to 94	D11 to D9	I/O	Two-way data bus terminal Not used (open)
95	A5	O	Address signal output to the S-RAM (IC1602)
96	VDDI	—	Power supply terminal (+2.5V)
97	TCK	I	Emulation clock signal input terminal Not used (open)
98	TDI	I	Emulation data input terminal Not used (open)
99	TDO	O	Emulation data input terminal Not used (open)
100	TMS	I	Emulation data input start/end select Not used (open)
101	XTRST	I	Emulation break signal input terminal Not used (open)
102	VSS	—	Ground terminal
103, 104	D8, D7	I/O	Two-way data bus terminal Not used (open)
105, 106	A4, A3	O	Address signal output to the S-RAM (IC1602)
107, 108	GP10, GP9	—	Not used (open)
109	VDDI	—	Power supply terminal (+2.5V)
110	GP8	—	Not used (open)
111	GP7	I	Serial clock signal input terminal
112	GP6	—	Not used (open)
113, 114	A2, A1	O	Address signal output to the S-RAM (IC1602)
115, 116	D6, D5	I/O	Two-way data bus terminal Not used (open)
117	VSS	—	Ground terminal
118, 119	GP5, GP4	—	Not used (open)

Pin No.	Pin Name	I/O	Description
120	GP3	O	Error signal output to the system controller (IC1703)
121	NC	—	Not used (open)
122	A0	O	Address signal output to the S-RAM (IC1602)
123 to 125	D4 to D2	I/O	Two-way data bus terminal Not used (open)
126	VDDE	—	Power supply terminal (+3.3V)
127	VSS	—	Ground terminal
128, 129	D1, D0	I/O	Two-way data bus terminal Not used (open)
130	GP2	—	Not used (open)
131	GP1	I	Clock signal input from the digital audio interface receiver (IC1408)
132	GP0	I	Serial clock signal input terminal
133	SDCLK	O	Not used (open)
134	CLKEN	O	Not used (open)
135	DQM	O	Not used (open)
136	EXLOCK	I	External lock signal input from the system controller (IC1703)
137	VDDI	—	Power supply terminal (+2.5V)
138	VSS	—	Ground terminal
139	MCLK2	O	System clock output terminal (13.5MHz)
140	PM	I	PLL initialize signal input from the system controller (IC1703)
141	BST	I	Boot strap signal input from the system controller (IC1703)
142	BOOT	I	Boot mode control signal input terminal Not used (fixed at “L”)
143	TST	I	Not used (fixed at “L”)
144	MCLK1	I	System clock output terminal (13.5MHz)

• **DIGITAL BOARD IC1703 MB91154PMT2-G-102-E1 (SYSTEM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	H.P IN	I	Headphone detect signal input from the HP jack (J749) “H”: active
2	SP A RY	O	Front speaker A relay drive signal output terminal “H”: relay on
3	H/P RY	O	Headphone relay drive signal output terminal “H”: relay on
4	WOOFER RY	O	Woofer speaker relay drive signal output terminal “H”: relay on
5	REAR RY	O	Rear speaker drive signal output terminal “H”: relay on
6	CENTER RY	O	Center and surround back speakers drive signal output terminal “H”: relay on
7	2ND AUDIO RY	O	2nd audio relay drive signal output terminal “H”: relay on
8	PRE RY	O	Pre relay drive signal output terminal “H”: relay on
9	VSS	—	Ground terminal
10	SB RY	I	Center and surround back speakers drive signal output terminal “H”: relay on
11	C.JOG	I	Jog dial pulse input from the RV1901 (jog dial) A phage input
12	C.JOG	I	Jog dial pulse input from the RV1901 (jog dial) B phage input
13	F.JOG	I	Jog dial pulse input from the RV1801 (FUNCTION) A phage input
14	F.JOG	I	Jog dial pulse input from the RV1801 (FUNCTION) B phage input
15	V.JOG	I	Jog dial pulse input from the RV1802 (MASTER VOLUME) A phage input
16	V.JOG	I	Jog dial pulse input from the RV1802 (MASTER VOLUME) B phage input
17	SP.SW	I	Speaker ON/OFF signal input terminal “L”: speaker on
18	POWER.RY	O	Power relay drive signal output terminal “H”: relay on
19	TUNER AUTO STOP	I	Tuned display auto stop detect signal input from the FM/AM tuner unit “L”: active
20	TUNER MUTE	O	Muitng control signal output to the FM/AM tuner unit “L”: muting
21	DATA	O	Serial data output to the FM/AM tuner unit, LED drive (IC1602), function switch (IC101, 102, 105, 201) and electrical volume (IC401, 501, 601, 701)
22	CLK	O	Serial data transfer clock signal output to the FM/AM tner unit, LED drive (IC1602), function switch (IC101, 102, 105, 201) and electrical volume (IC401, 501, 601, 701)
23	TUNER DATA IN	I	PLL data input from the FM/AM tuner unit
24	F. SW LAT	O	Serial data latch pulse output to the function switch (IC101, 102, 105, 201) and electrical volume (IC401, 501, 601, 701) “H”: active
25	TUNER STEREO	I	FM stereo detection signal input from the FM/AM tuner unit “L”: stereo
26	VSS	—	Ground terminal
27	VCC	—	Power supply terminal (+3.3V)
28	RDS DATA	O	RDS sireal data output terminal Not used (fixed at “L”)
29	VIDEO SW1	O	Video select signal output to the video switch (IC308) and S-VIDEO switch (IC750, 752)
30	VIDEO SW2	O	Video select signal output to the video switch (IC308) and S-VIDEO switch (IC750, 752)
31	VIDEO SW3	O	Video select signal output to the video select switch (IC308) and S-VIDEO select switch (IC750, 752)
32	VIDEO SW4	O	Video select signal output to the video select switch (IC308) and S-VIDEO select switch (IC750, 752)
33	VSYNC	I	Vertical synchronized signal input terminal Not used (fixed at “L”)
34	P/N	O	NTSC/PAL select signal output terminal “L”: NTSC, “H”: PAL (fixed at “L”)
35	HDOUT1	I	Host serial data input from the audio DSP1 (IC1501)
36, 37	OPT B, OPT A	O	Digital input select signal output to the select switch (IC1406)
38	LED CE	O	Chip enable signal output to the LED driver (IC1602)
39	LED CLR	O	Clear signal output to the LED driver (IC1602)
40	TUNER LAT	O	Tuner latch signal output to the FM/AM tuner unit
41	M STATUS	O	STATUS (M BUS) control signal output to the select switch (IC751)
42	D.POWER	O	Power ON/OFF control signal output terminal (digital section power)

Pin No.	Pin Name	I/O	Description
43	V.POWER	O	Power ON/OFF control signal output terminal (video section power)
44	VSS	—	Ground terminal
45, 46	NC	I	Not used (fixed at “L”)
47	ERROR	I	Error signal input from the audio DSP (IC1601)
48	NC	I	Not used (fixed at “L”)
49	SUB.T.PORT	O	Sub power transformer (T2) on/off signal output terminal
50	AUDIO SPLIT LED	O	LED drive signal output terminal Not used (open)
51	GND	—	Not used (fixed at “L”)
52	MD2	O	MD2 signal output terminal (fixed at “L”)
53	MD1	O	MD1 signal output terminal (fixed at “H”)
54	MD0	O	MD0 signal output terminal (fixed at “H”)
55	RSTX	I	System reset signal input from the reset signal generator (IC1702)
56	VCC	—	Power supply terminal (+3.3V)
57	X1	O	Main system clock output terminal (16.5MHz)
58	X0	I	Main system clock output terminal (16.5MHz)
59	VSS	—	Ground terminal
60	STOP	I	AC power check signal input terminal
61	RDS CLK	I	RDS serial data transfer clock signal input terminal Not used (fixed at “L”)
62	POWER	I	Key input terminal I/⏻ key (S1705) input
63	MBUS TV	I	TV (M BUS) signal input from the TV jack (J755)
64	MBUS DVD	I	DVD (M BUS) signal input terminal
65	MBUS VIDEO	I	VIDEO (M BUS) input terminal
66	SIRCS	I	Sircs signal input from the remote control receiver (IC1604) and select switch (IC751)
67	DIR ERROR	I	Error signal input from the digital audio interface receiver (IC1408)
68	VCC	—	Power supply terminal (+3.3V)
69	XSTATE	I	Clock status flag signal input from the digital audio interface receiver (IC1408)
70	DATA0	I	Audio data input from the digital audio interface receiver (IC1408)
71	XMODE	O	Reset signal output to the digital audio interface receiver (IC1408) “L”: active
72	CKSEL1	O	System clock select 1 output to the digital audio interface receiver (IC1408)
73	CLK	O	Clock signal output to the digital audio interface receiver (IC1408)
74	CE	O	Chip enable signal output to the digital audio interface receiver (IC1408)
75	DI	O	Data output to the digital audio interface receiver (IC1408)
76	DO	I	Data input from the digital audio interface receiver (IC1408)
77	VCC	—	Power supply terminal (+3.3V)
78	BST	O	Booster control signal output to the audio DSP2 (IC1601)
79	PM2	O	PLL initialize signal output to the audio DSP2 (IC1601)
80	XRST2	O	Reset signal output to the audio DSP2 (IC1601)
81	HACN2	I	Host acknowledge signal input from the audio DSP2(IC1601)
82	HCS2	O	Host chip select signal output to the audio DSP2 (IC1601)
83	GB9	I	Signal input from the audio DSP1 (IC1501)
84	BST1	O	Boot strap signal output to the audio DSP1 (IC1501)
85	HCS1	O	Host chip select signal output to the audio DSP1 (IC1501)
86	A1 IN	I	Audio bus input terminal (control A1)
87	A1 OUT	O	Audio bus output terminal (control A1)
88	HACN1	I	Host acknowledge signal input from the audio DSP1(IC1501)
89	XRST1	O	Reset signal output to the audio DSP1 (IC1501)

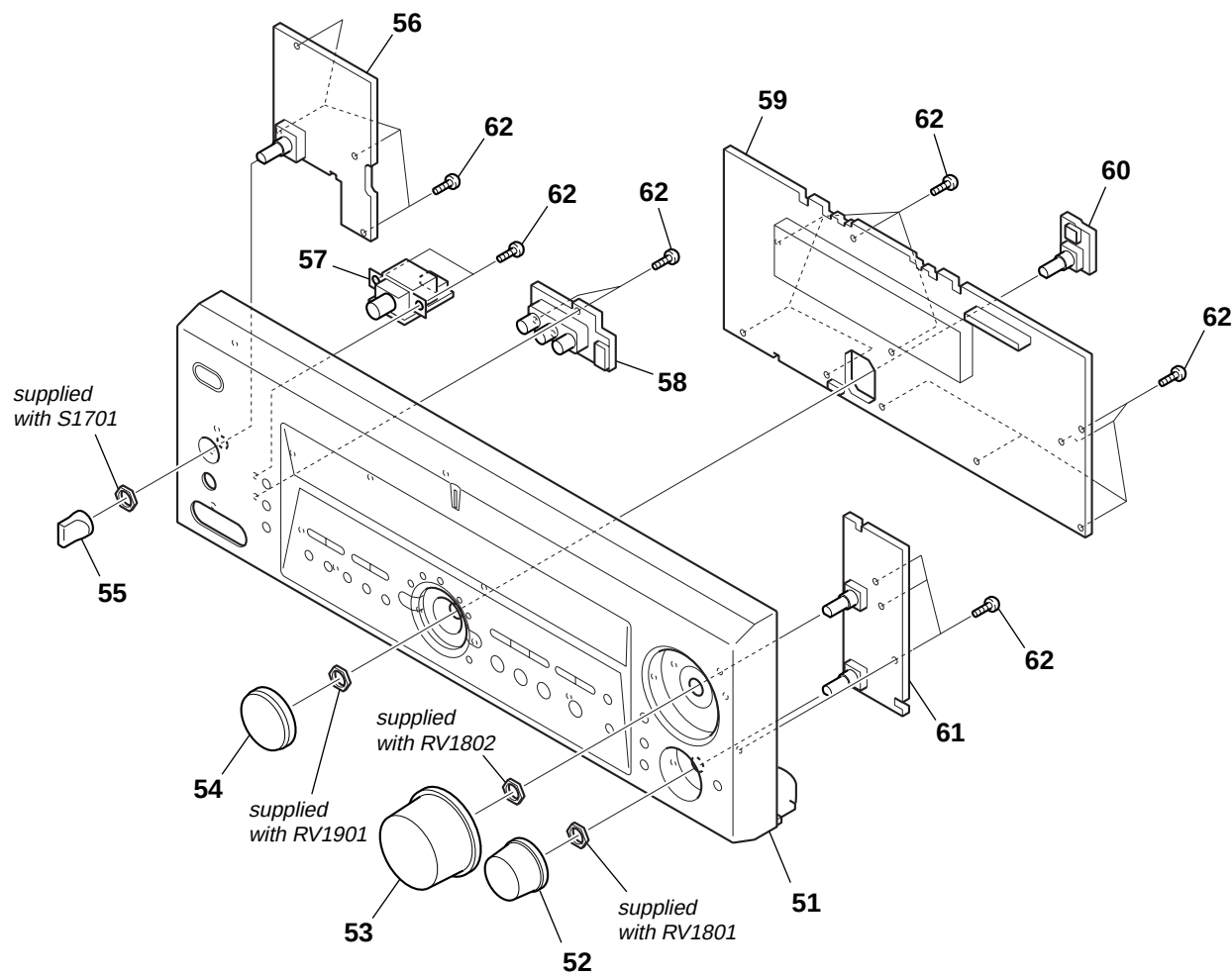
Pin No.	Pin Name	I/O	Description
90	PM1	O	PLL initialize signal output to the audio DSP1 (IC1501)
91	ADC : RST	O	Reset signal output to the A/D converter (IC1101)
92	DACINT	O	Reset signal output to the D/A converter (IC1201)
93	DA1LAT	O	Serial data latch pulse output to the D/A converter (IC1201)
94	(PG3) DACCLK	O	Serial data transfer clock signal output to the D/A converter (IC1201, 1202)
95	(PG4) DACDI	O	Serial data output to the D/A converter (IC1201, 1202)
96	(PG5) 2EXLOCK	O	External lock signal output to the audio DSP2 (IC1601)
97	VCC	—	Power supply terminal (+3.3V)
98	VSS	—	Ground terminal
99	EEPROM SDA	I/O	Two-way data bus with the EEPROM (IC1701)
100	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM (IC1701)
101	VSS	—	Ground terminal
102	HCLK	O	Host clock signal output to the audio DSP1, 2 (IC1501, 1601)
103	HDIN	O	Host serial data output to the audio DSP1, 2 (IC1501, 1601)
104	HDOUT2	I	Host serial data input from the audio DSP2 (IC1601)
105	CLK	O	OSD serial data transfer clock signal output to the select switch (IC307)
106	DATA	O	OSD serial data output to the select switch (IC307)
107	LAT	O	OSD serial data latch pulse output to the select switch (IC307)
108	DAIDO	I	Serial data input from the D/A converter (IC1201)
109	SOTI	O	UART signal output terminal Not used (fixed at “L”)
110	SIN1	I	UART signal input terminal Not used (fixed at “L”)
111	CLK	O	Serial data transfer clock signal output to the FL display driver (IC1601)
112	DIN	O	Serial data output to the FL display driver (IC1601)
113	LAT	O	Serial data latch pulse output to the FL display driver (IC1601)
114	CLR	O	Clear signal output to the FL display driver (IC1601)
115	VOL IC LAT	O	Serial data latch pulse output to the electrical volume (IC401, 501, 601, 701)
116	SYSTEM MUTE	O	System muting control signal output terminal
117	AC MUTE	O	Audio muting control signal output to the poweramp (IC403, 503, 603)
118	PROTECTOR	I	Over load detection signal input from the protect circuit “L”: protect detect
119	DA2LAT	O	Serial data latch pulse output to the A/D, D/A converter (IC1202)
120	CD DIRECT	O	CD direct relay drive signal output terminal Not used (open)
121	ANALOG DIGITAL	O	Analog/digital select signal output to the TC7WH157FU (IC1407) “L”: analog, “H”: digital
122	VCC	—	Power supply terminal (+3.3V)
123	A. DIRECT	O	MULT/2CH DIRECT select signal output terminal Not used (open)
124	NC	—	Not used (open)
125	NC	—	Not used (open)
126	DAVS	—	Ground terminal (for digital)
127	DAVC	—	Power supply terminal (+3.3V) (for digital)
128	AVCC	—	Power supply terminal (+3.3V) (for analog)
129	AVRH	—	Reference voltage input (+3.3V) terminal (for analog)
130	AVRL	—	Connect to ground (for analog)
131	AVSS	—	Ground terminal (for terminal)
132	AD1	I	Key input terminal (A/D input) S1681 to 1685, S1702 to 1704 (AM, FM, FM MODE, SHIFT, MEMORY, DISPLAY, ON SCREEN, DIMMER)
133	AD2	I	Key input terminal (A/D input) S1651 to 1658 (LEVEL, SURR, EQ, <, PRESET TUNING – /+, TUNING +/-)

Pin No.	Pin Name	I/O	Description
134	AD3	I	Key input terminal (A/D input) S1671 to 1677 (DIGITAL CONCERT HALL B, EQUALIZER, 6.1CH DECODING, DIGITAL CONCERT HALL A, MULTI/2CH A.DIRECT, SOUND FIELD 2CH/MODE)
135	AD4	I	Key input terminal (A/D input) S1661 to 1668 (CINEMA SOUND EX C/B/A, SET UP, NAME, >, ENTER, A.F.D.)
136	AD5	I	Key input terminal (A/D input) S1691 to 1693, S1801 (MODE, INPUT MODE, MUTING, 2ND ROOM)
137	VERSION1	I	Version setting signal input terminal
138	VERSION2	I	Version setting signal input terminal
139	RDS SIGNAL	I	FM IF signal input terminal Not used (fixed at “L”)
140	VCC2	—	Power supply terminal (+3.3V)
141	BACKUP	—	Power supply terminal (+3.3V) (for back up)
142	GND	—	Ground terminal
143	OPEN	—	Not used (open)
144	VSS	—	Ground terminal

• VIDEO BOARD IC307 MB90089F-G-238-BND (OSD DRIVER)

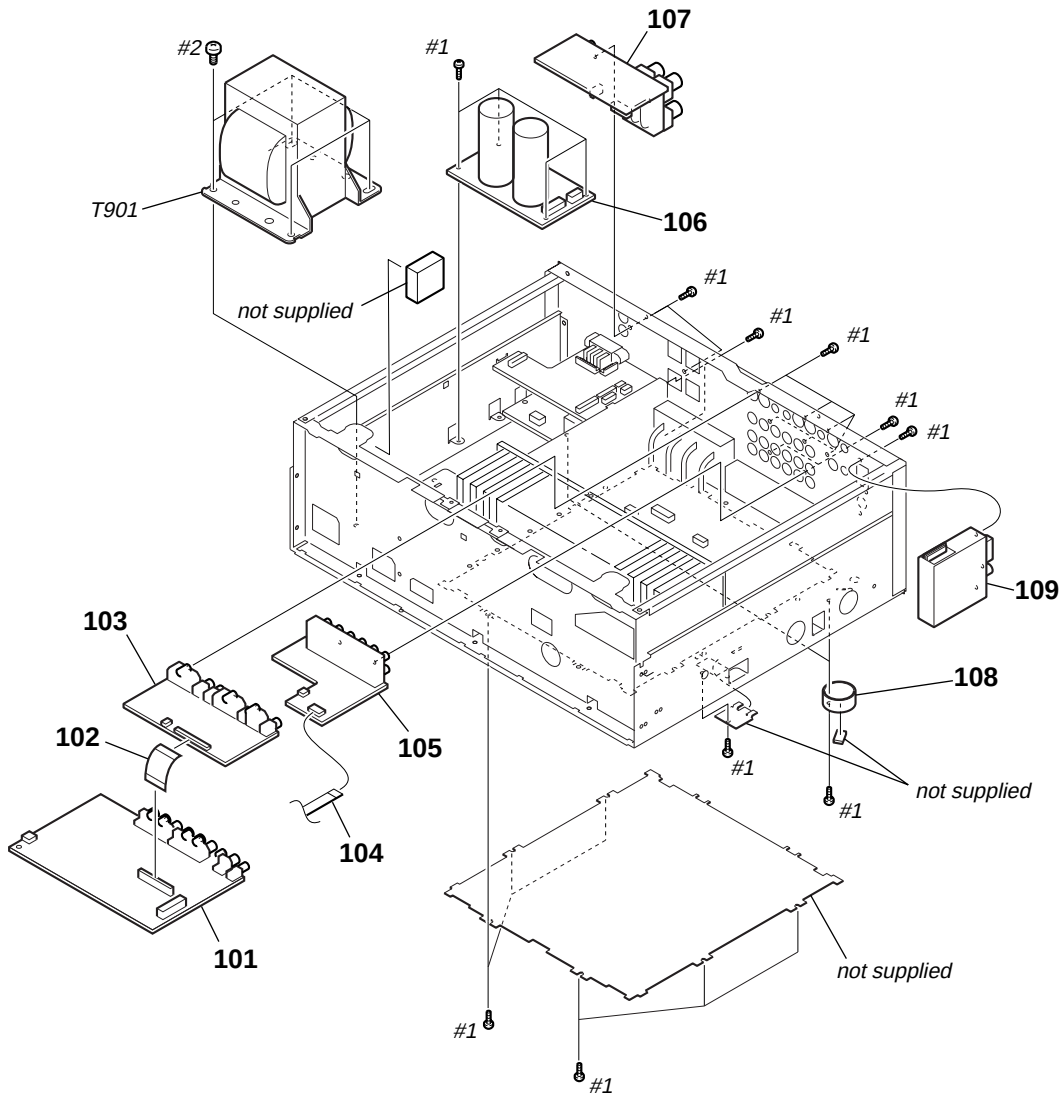
Pin No.	Pin Name	I/O	Description
1	YIN	I	Y (luminance) signal input from the Y switch (IC752)
2	CIN	I	C (color) signal input from the C switch (IC750)
3	VIN	I	Composite video signal input from the video select (IC308)
4	AVCC	—	Power supply terminal (+5V) (for analog)
5	FSCO	O	Internal color burst phase display signal output terminal Not used (open)
6	VBLK	O	Vertical blanking timing signal output terminal Not used (open)
7	VCC	—	Power supply terminal (+5V)
8	EXS	I	External clock generator circuit for color burst (NTSC: 14.31818MHz, PAL: 17.734475MHz)
9	XS	O	Clock signal output terminal for color burst Not used (open)
10	HSYNC	O	Horizontal synchronizing signal output terminal (for test)
11	VSYN	O	Vertical synchronizing signal output terminal (for test)
12	EXHSYN	I	External horizontal synchronizing signal input terminal Not used (open)
13	EXVSYN	I	External vertical synchronizing signal input terminal Not used (open)
14	VSS	—	Ground terminal
15	EXD	I	Dot clock generator connecting terminal for display
16	XD	O	Dot clock generator connecting terminal for display
17	VOB	O	Blanking signal output terminal Not used (open)
18	VOC2	O	color signal output terminal Not used (open)
19	VOC1	O	color signal output terminal Not used (open)
20	VOC0	O	color signal output terminal Not used (open)
21	TEST	I	Test signal input terminal “L”: test (normally: fixed at “H”)
22	SCLK	I	Serial data transfer shift clock signal input terminal
23	SIN	I	Serial data input terminal
24	CS	I	Chip select signal input terminal “L”: active
25	VOUT	O	Composite video signal output to the video buffer (IC305)
26	COUT	O	C (color) signal output to the video buffer (IC305)
27	YOUT	O	Y (luminance) signal output to the video buffer (IC305)
28	AVSS	—	Ground terminal (for analog)

7-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4953-687-1	PANEL ASSY, FRONT		57	1-681-111-11	H.P BOARD	
52	4-232-569-01	KNOB (FN DE9)		58	1-681-112-11	VIDEO 3 BOARD	
53	4-232-113-01	KNOB (VOL)		59	A-4476-447-A	DISP BOARD, COMPLETE	
54	4-232-239-01	KNOB (JOG)		60	1-681-110-11	JOG BOARD	
55	4-233-626-01	KNOB (F14B)		61	1-681-108-11	VOL BOARD	
56	1-681-109-11	POWER BOARD		62	4-951-620-01	SCREW (2.6X8), +BVTP	

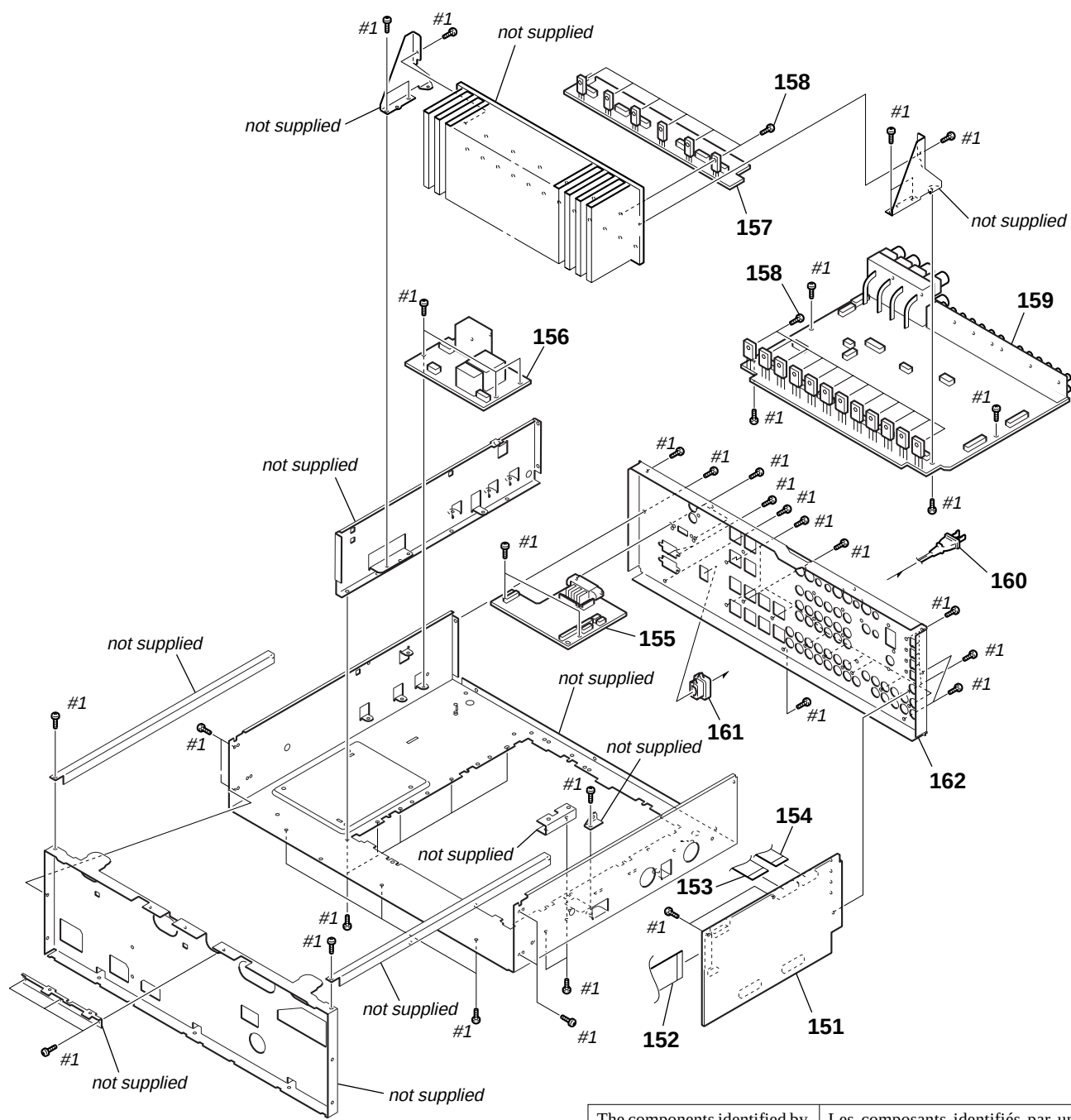
7-3. CHASSIS SECTION-1



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\triangle$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	A-4476-457-A	VIDEO BOARD, COMPLETE		107	1-681-113-11	SP BOARDR	
102	1-773-105-11	WIRE (FLAT TYPE) (19 CORE)		108	4-232-237-01	FOOT (DIA. 30)	
103	A-4476-458-A	S-VIDEO BOARD, COMPLETE		109	1-693-539-21	TUNER	
104	1-769-904-11	WIRE (FLAT TYPE) (9 CORE)		$\triangle$ T901	1-437-325-11	TRANSFORMER, POWER	
105	1-681-096-11	VIDEO AU BOARD		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
106	1-681-092-11	DC1 BOARD		#2	7-685-881-09	SCREW +BVTT 4X8 (S)	

7-4. CHASSIS SECTION-2



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	A-4476-461-A	DIGITAL BOARD, COMPLETE		159	A-4476-463-A	MAIN BOARD, COMPLETE (Canadian)	
152	1-773-301-11	WIRE (FLAT TYPE) (29 CORE)		159	A-4476-444-A	MAIN BOARD, COMPLETE (US)	
153	1-773-143-11	WIRE (FLAT TYPE) (21 CORE)		 160	1-769-743-11	CORD, POWER (Canadian)	
154	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)		 160	1-783-820-11	CORD, POWER (US)	
155	A-4476-456-A	DC2 BOARD, COMPLETE		* 161	3-703-244-00	BUSHING (2104), CORD	
156	1-681-091-11	AC BOARD		162	4-233-630-31	PANEL (B8.E10), BACK (US)	
157	A-4476-446-A	BIAS BOARD, COMPLETE		162	4-233-630-41	PANEL (B8.E10), BACK (Canadian)	
158	3-905-609-11	SCREW (TRANSISTOR)		#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 8

ELECTRICAL PARTS LIST

AC

BIAS

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA. . : μ A. . uPA. . : μ PA. .
uPB. . : μ PB. . uPC. . : μ PC. .
uPD. . : μ PD. .
- CAPACITORS
uF: μ F
- COILS
uH: μ H

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

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

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

Ref. No.	Part No.	Description					Remark	Ref. No.	Part No.	Description					Remark	
	1-681-091-11	AC BOARD *****						Q53	8-729-900-80	TRANSISTOR	DTC124ES					
								Q54	8-729-119-78	TRANSISTOR	2SC2785-HFE					
	1-533-217-31	HOLDER, FUSE								< RESISTOR >						
		< CAPACITOR >						△ R1	1-219-237-11	SOLID	3.3M	20%	1/2W			
								R51	1-249-421-11	CARBON	2.2K	5%	1/4W			
C51	1-126-927-11	ELECT	2200uF	20%	10V		R52	1-249-429-11	CARBON	10K	5%	1/4W				
C52	1-137-368-11	MYLAR	0.0047uF	5%	50V		R53	1-249-415-11	CARBON	680	5%	1/4W				
C53	1-137-465-11	MYLAR	0.056uF	5%	50V		R54	1-249-437-11	CARBON	47K	5%	1/4W				
C54	1-126-767-11	ELECT	1000uF	20%	16V											
C55	1-126-959-11	ELECT	0.47uF	20%	50V		R55	1-249-435-11	CARBON	33K	5%	1/4W				
							R56	1-249-429-11	CARBON	10K	5%	1/4W				
C56	1-128-817-11	CERAMIC	470PF	5%	50V		R57	1-249-429-11	CARBON	10K	5%	1/4W				
		< CONNECTOR >								< RELAY >						
* CN1	1-565-792-11	PIN, CONNECTOR 2P						△ RY1	1-755-439-11	RELAY						
CN2	1-564-321-00	PIN, CONNECTOR 2P								< TRANSFORMER >						
		< AC OUTLET >														
								△ T2	1-437-349-11	TRANSFORMER, POWER						
CNJ1	1-251-718-11	OUTLET (2 GANG) , AC (AC OUTLET)						*****								
		< DIODE >							A-4476-446-A	BIAS BOARD, COMPLETE						

D51	8-719-911-19	DIODE	1SS199-25							< CAPACITOR >						
D52	8-719-911-19	DIODE	1SS199-25													
D53	8-719-911-19	DIODE	1SS199-25													
D54	8-719-210-21	DIODE	11EQS04					C413	1-128-813-11	CERAMIC	220PF	5%	50V			
D55	8-719-210-21	DIODE	11EQS04					C415	1-136-153-00	FILM	0.01uF	5%	50V			
								C416	1-126-964-11	ELECT	10uF	20%	50V			
D56	8-719-210-21	DIODE	11EQS04					C440	1-104-660-11	ELECT	47uF	20%	16V			
D57	8-719-210-21	DIODE	11EQS04					C463	1-128-813-11	CERAMIC	220PF	5%	50V			
D58	8-719-024-99	DIODE	11ES2-NTA2B													
		< TERMINAL >						C465	1-136-153-00	FILM	0.01uF	5%	50V			
								C466	1-126-964-11	ELECT	10uF	20%	50V			
* EB1	1-537-738-21	TERMINAL, EARTH						C490	1-104-660-11	ELECT	47uF	20%	16V			
* EB51	1-537-738-21	TERMINAL, EARTH						C513	1-128-813-11	CERAMIC	220PF	5%	50V			
		< FUSE >						C515	1-136-153-00	FILM	0.01uF	5%	50V			
△ F1	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)						C516	1-126-964-11	ELECT	10uF	20%	50V			
		(10A/125V)						C540	1-104-660-11	ELECT	47uF	20%	16V			
△ F2	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)						C563	1-128-813-11	CERAMIC	220PF	5%	50V			
		(10A/125V)						C565	1-136-153-00	FILM	0.01uF	5%	50V			
		< TRANSISTOR >						C566	1-126-964-11	ELECT	10uF	20%	50V			
								C590	1-104-660-11	ELECT	47uF	20%	16V			
								C613	1-128-813-11	CERAMIC	220PF	5%	50V			
Q51	8-729-119-78	TRANSISTOR	2SC2785-HFE					C615	1-136-153-00	FILM	0.01uF	5%	50V			
Q52	8-729-201-53	TRANSISTOR	2SA1015-GR					C616	1-126-964-11	ELECT	10uF	20%	50V			
								C640	1-104-660-11	ELECT	47uF	20%	16V			

BIAS

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
C663	1-128-813-11	CERAMIC	220PF	5%	50V		Q590	8-729-026-08	TRANSISTOR	2SC4495			
C665	1-136-153-00	FILM	0.01uF	5%	50V		Q604	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
C666	1-126-964-11	ELECT	10uF	20%	50V		Q605	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
C690	1-104-660-11	ELECT	47uF	20%	16V		Q606	8-729-281-53	TRANSISTOR	2SC1815-GR			
C805	1-126-935-11	ELECT	470uF	20%	6.3V		Q640	8-729-026-08	TRANSISTOR	2SC4495			
C806	1-128-805-11	CERAMIC	47PF	5%	50V		Q654	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
C807	1-126-965-11	ELECT	22uF	20%	50V		Q655	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
C808	1-128-805-11	CERAMIC	47PF	5%	50V		Q656	8-729-281-53	TRANSISTOR	2SC1815-GR			
< CONNECTOR >							Q690	8-729-026-08	TRANSISTOR	2SC4495			
CN401	1-784-923-11	PIN, CONNECTOR 7P					Q801	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
CN451	1-784-923-11	PIN, CONNECTOR 7P					Q802	8-729-119-78	TRANSISTOR	2SC2785-HFE			
CN501	1-784-923-11	PIN, CONNECTOR 7P					Q803	8-729-140-82	TRANSISTOR	2SA988-PAFAEA			
CN551	1-784-923-11	PIN, CONNECTOR 7P					Q804	8-729-900-36	TRANSISTOR	DTC124ES			
CN601	1-784-923-11	PIN, CONNECTOR 7P					Q805	8-729-140-84	TRANSISTOR	2SC2785-HFE			
CN651	1-784-923-11	PIN, CONNECTOR 7P					< RESISTOR >						
CN809	1-779-977-11	PIN, CONNECTOR 6P					R415	1-249-425-11	CARBON	4.7K	5%	1/4W	
< DIODE >							△ R416	1-240-855-11	CARBON	6.2K	5%	1/4W	F
D405	8-719-911-19	DIODE 1SS199-25					R418	1-249-420-11	CARBON	1.8K	5%	1/4W	
D406	8-719-911-19	DIODE 1SS199-25					R419	1-249-431-11	CARBON	15K	5%	1/4W	
D455	8-719-911-19	DIODE 1SS199-25					R420	1-249-439-11	CARBON	68K	5%	1/4W	
D456	8-719-911-19	DIODE 1SS199-25					R421	1-247-866-11	CARBON	30K	5%	1/4W	
D505	8-719-911-19	DIODE 1SS199-25					R422	1-249-425-11	CARBON	4.7K	5%	1/4W	
D506	8-719-911-19	DIODE 1SS199-25					R424	1-249-431-11	CARBON	15K	5%	1/4W	
D555	8-719-911-19	DIODE 1SS199-25					R425	1-249-437-11	CARBON	47K	5%	1/4W	
D556	8-719-911-19	DIODE 1SS199-25					R426	1-249-437-11	CARBON	47K	5%	1/4W	
D605	8-719-911-19	DIODE 1SS199-25					R427	1-249-433-11	CARBON	22K	5%	1/4W	
D606	8-719-911-19	DIODE 1SS199-25					R440	1-249-425-11	CARBON	4.7K	5%	1/4W	
D655	8-719-911-19	DIODE 1SS199-25					R441	1-249-417-11	CARBON	1K	5%	1/4W	
D656	8-719-911-19	DIODE 1SS199-25					R442	1-249-429-11	CARBON	10K	5%	1/4W	
D805	8-719-911-19	DIODE 1SS199-25					R465	1-249-425-11	CARBON	4.7K	5%	1/4W	
D806	8-719-911-19	DIODE 1SS199-25					△ R466	1-240-855-11	CARBON	6.2K	5%	1/4W	F
D807	8-719-911-19	DIODE 1SS199-25					R468	1-249-420-11	CARBON	1.8K	5%	1/4W	
D808	8-719-911-19	DIODE 1SS199-25					R469	1-249-431-11	CARBON	15K	5%	1/4W	
D817	8-719-911-19	DIODE 1SS199-25					R470	1-249-439-11	CARBON	68K	5%	1/4W	
< IC >							R471	1-247-866-11	CARBON	30K	5%	1/4W	
IC803	8-759-636-74	IC M5218AP-22					R472	1-249-425-11	CARBON	4.7K	5%	1/4W	
< TRANSISTOR >							R474	1-249-431-11	CARBON	15K	5%	1/4W	
Q404	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R475	1-249-437-11	CARBON	47K	5%	1/4W	
Q405	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R476	1-249-437-11	CARBON	47K	5%	1/4W	
Q406	8-729-281-53	TRANSISTOR	2SC1815-GR				R477	1-249-433-11	CARBON	22K	5%	1/4W	
Q440	8-729-026-08	TRANSISTOR	2SC4495				R490	1-249-425-11	CARBON	4.7K	5%	1/4W	
Q454	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R491	1-249-417-11	CARBON	1K	5%	1/4W	
Q455	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R492	1-249-429-11	CARBON	10K	5%	1/4W	
Q456	8-729-281-53	TRANSISTOR	2SC1815-GR				R515	1-249-425-11	CARBON	4.7K	5%	1/4W	
Q490	8-729-026-08	TRANSISTOR	2SC4495				△ R516	1-240-855-11	CARBON	6.2K	5%	1/4W	F
Q504	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R518	1-249-420-11	CARBON	1.8K	5%	1/4W	
Q505	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R519	1-249-439-11	CARBON	68K	5%	1/4W	
Q506	8-729-281-53	TRANSISTOR	2SC1815-GR				R520	1-249-431-11	CARBON	15K	5%	1/4W	
Q540	8-729-026-08	TRANSISTOR	2SC4495				R521	1-247-866-11	CARBON	30K	5%	1/4W	
Q554	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R522	1-249-425-11	CARBON	4.7K	5%	1/4W	
Q555	8-729-140-82	TRANSISTOR	2SA988-PAFAEA				R524	1-249-431-11	CARBON	15K	5%	1/4W	
Q556	8-729-281-53	TRANSISTOR	2SC1815-GR				R525	1-249-437-11	CARBON	47K	5%	1/4W	
							R526	1-249-437-11	CARBON	47K	5%	1/4W	
							R527	1-249-433-11	CARBON	22K	5%	1/4W	
							R540	1-249-425-11	CARBON	4.7K	5%	1/4W	
							R541	1-249-417-11	CARBON	1K	5%	1/4W	
							R542	1-249-429-11	CARBON	10K	5%	1/4W	

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

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

BIAS

DC1

DC2

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R565	1-249-425-11	CARBON	4.7K 5% 1/4W		1-681-092-11	DC1 BOARD	
△ R566	1-240-855-11	CARBON	6.2K 5% 1/4W F			*****	
R568	1-249-420-11	CARBON	1.8K 5% 1/4W		1-533-217-31	HOLDER, FUSE	
R569	1-249-431-11	CARBON	15K 5% 1/4W			< CAPACITOR >	
R570	1-249-439-11	CARBON	68K 5% 1/4W		C915	1-125-897-11 ELECT	10000uF 20% 71V
R571	1-247-866-11	CARBON	30K 5% 1/4W		C916	1-125-897-11 ELECT	10000uF 20% 71V
R572	1-249-425-11	CARBON	4.7K 5% 1/4W		C917	1-137-419-11 MYLAR	0.033uF 10% 100V
R574	1-249-431-11	CARBON	15K 5% 1/4W		C918	1-137-419-11 MYLAR	0.033uF 10% 100V
R575	1-249-437-11	CARBON	47K 5% 1/4W			< DIODE >	
R576	1-249-437-11	CARBON	47K 5% 1/4W		D914	8-719-072-05 DIODE	RBV-602LF-A
R577	1-249-433-11	CARBON	22K 5% 1/4W			< FUSE >	
R590	1-249-425-11	CARBON	4.7K 5% 1/4W		△ F905	1-533-311-11 FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V)	
R591	1-249-417-11	CARBON	1K 5% 1/4W		△ F906	1-533-311-11 FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V)	
R592	1-249-429-11	CARBON	10K 5% 1/4W			*****	
R615	1-249-425-11	CARBON	4.7K 5% 1/4W		A-4476-456-A	DC2 BOARD, COMPLETE	
△ R616	1-240-855-11	CARBON	6.2K 5% 1/4W F			*****	
R618	1-249-420-11	CARBON	1.8K 5% 1/4W		1-533-217-31	HOLDER, FUSE	
R619	1-249-431-11	CARBON	15K 5% 1/4W			< CAPACITOR >	
R620	1-249-439-11	CARBON	68K 5% 1/4W		C901	1-104-660-11 ELECT	47uF 20% 16V
R621	1-247-866-11	CARBON	30K 5% 1/4W		C902	1-126-953-11 ELECT	2200uF 20% 35V
R622	1-249-425-11	CARBON	4.7K 5% 1/4W		C903	1-126-952-11 ELECT	1000uF 20% 35V
R624	1-249-431-11	CARBON	15K 5% 1/4W		C904	1-126-967-11 ELECT	47uF 20% 50V
R625	1-249-437-11	CARBON	47K 5% 1/4W		C905	1-104-660-11 ELECT	47uF 20% 16V
R626	1-249-437-11	CARBON	47K 5% 1/4W		C906	1-126-967-11 ELECT	47uF 20% 50V
R627	1-249-433-11	CARBON	22K 5% 1/4W		C907	1-126-937-11 ELECT	4700uF 20% 16V
R640	1-249-425-11	CARBON	4.7K 5% 1/4W		C908	1-126-767-11 ELECT	1000uF 20% 16V
R641	1-249-417-11	CARBON	1K 5% 1/4W		C909	1-128-554-11 ELECT	330uF 20% 63V
R642	1-249-429-11	CARBON	10K 5% 1/4W		C912	1-104-660-11 ELECT	47uF 20% 16V
R665	1-249-425-11	CARBON	4.7K 5% 1/4W			< CONNECTOR >	
△ R666	1-240-855-11	CARBON	6.2K 5% 1/4W F		CN904	1-784-922-11 PIN, CONNECTOR	5P
R668	1-249-420-11	CARBON	1.8K 5% 1/4W		CN905	1-785-101-11 PIN, CONNECTOR	3P
R669	1-249-431-11	CARBON	15K 5% 1/4W		CN906	1-691-768-11 PLUG (MICRO CONNECTOR)	6P
R670	1-249-439-11	CARBON	68K 5% 1/4W		CN907	1-564-506-11 PLUG, CONNECTOR	3P
R671	1-247-866-11	CARBON	30K 5% 1/4W		CN908	1-564-506-21 PLUG, CONNECTOR	3P
R672	1-249-425-11	CARBON	4.7K 5% 1/4W		CN909	1-785-103-11 PIN, CONNECTOR	5P
R674	1-249-431-11	CARBON	15K 5% 1/4W			< DIODE >	
R675	1-249-437-11	CARBON	47K 5% 1/4W		D901	8-719-109-89 DIODE	RD5.6ESB2
R676	1-249-437-11	CARBON	47K 5% 1/4W		D902	8-719-983-95 DIODE	MTZJ-T-72-39
R677	1-249-433-11	CARBON	22K 5% 1/4W		D903	8-719-024-99 DIODE	11ES2-NTA2B
R690	1-249-425-11	CARBON	4.7K 5% 1/4W		D904	8-719-024-99 DIODE	11ES2-NTA2B
R691	1-249-417-11	CARBON	1K 5% 1/4W		D905	8-719-024-99 DIODE	11ES2-NTA2B
R692	1-249-429-11	CARBON	10K 5% 1/4W		D906	8-719-024-99 DIODE	11ES2-NTA2B
R801	1-249-433-11	CARBON	22K 5% 1/4W		D907	8-719-118-63 DIODE	RD5.6F-T7B2
R802	1-249-417-11	CARBON	1K 5% 1/4W		D908	8-719-510-53 DIODE	D4SB60L
R803	1-249-435-11	CARBON	33K 5% 1/4W		D912	8-719-024-99 DIODE	11ES2-NTA2B
R804	1-249-429-11	CARBON	10K 5% 1/4W		D913	8-719-024-99 DIODE	11ES2-NTA2B
R805	1-249-429-11	CARBON	10K 5% 1/4W			< FUSE >	
R806	1-249-436-11	CARBON	39K 5% 1/4W		△ F903	1-576-108-11 FUSE (4A/125V)	
R807	1-249-427-11	CARBON	6.8K 5% 1/4W		△ F904	1-576-108-11 FUSE (4A/125V)	
R819	1-249-429-11	CARBON	10K 5% 1/4W				
R857	1-249-429-11	CARBON	10K 5% 1/4W				
R858	1-247-895-00	CARBON	470K 5% 1/4W				
R863	1-249-433-11	CARBON	22K 5% 1/4W				

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DC2

DIGITAL

Ref. No.	Part No.	Description	Remark			
< TRANSISTOR >						
Q902	8-729-041-38	TRANSISTOR	2SB1241TV2Q			
Q903	8-729-051-94	TRANSISTOR	2SD1863TV2			
Q904	8-729-119-76	TRANSISTOR	2SA1115TP-EF			
Q905	8-729-119-76	TRANSISTOR	2SA1115TP-EF			
< RESISTOR >						
R902	1-249-433-11	CARBON	22K	5%	1/4W	
R903	1-249-421-11	CARBON	2.2K	5%	1/4W	
R904	1-249-429-11	CARBON	10K	5%	1/4W	
R905	1-249-429-11	CARBON	10K	5%	1/4W	
R906	1-249-421-11	CARBON	2.2K	5%	1/4W	
R908	1-249-429-11	CARBON	10K	5%	1/4W	
△ R909	1-245-385-11	CARBON	2.2	5%	1/6W	F
△ R910	1-245-385-11	CARBON	2.2	5%	1/6W	F
△ R911	1-216-349-00	METAL OXIDE	1	5%	1W	F
△ R912	1-216-394-00	METAL OXIDE	1	5%	1W	F
< SWITCH >						
S901	1-771-876-11	SWITCH, POWER (IMPEDANCE SELECTOR)				

A-4476-461-A		DIGITAL BOARD, COMPLETE				

7-685-872-09		SCREW +BVTT 3X8 (S)				
< CAPACITOR >						
C1101	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1102	1-104-660-11	ELECT	47uF	20%	16V	
C1103	1-126-964-11	ELECT	10uF	20%	50V	
C1104	1-126-963-11	ELECT	4.7uF	20%	50V	
C1105	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C1106	1-126-963-11	ELECT	4.7uF	20%	50V	
C1107	1-126-964-11	ELECT	10uF	20%	50V	
C1108	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
C1109	1-104-660-11	ELECT	47uF	20%	16V	
C1110	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1112	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1113	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1114	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C1115	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C1121	1-126-965-11	ELECT	22uF	20%	50V	
C1131	1-126-965-11	ELECT	22uF	20%	50V	
C1201	1-126-940-11	ELECT	330uF	20%	25V	
C1202	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1203	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1204	1-126-934-11	ELECT	220uF	20%	16V	
C1205	1-126-964-11	ELECT	10uF	20%	50V	
C1206	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1207	1-126-964-11	ELECT	10uF	20%	50V	
C1208	1-126-964-11	ELECT	10uF	20%	50V	
C1210	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1211	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1212	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1213	1-126-964-11	ELECT	10uF	20%	50V	
C1214	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V	
C1221	1-126-965-11	ELECT	22uF	20%	50V	

Ref. No.	Part No.	Description	Remark			
C1222	1-163-012-00	CERAMIC CHIP	0.0018uF	5%	50V	
C1223	1-163-257-11	CERAMIC CHIP	180PF	5%	50V	
C1224	1-126-965-11	ELECT	22uF	20%	50V	
C1231	1-126-965-11	ELECT	22uF	20%	50V	
C1232	1-163-012-00	CERAMIC CHIP	0.0018uF	5%	50V	
C1233	1-163-257-11	CERAMIC CHIP	180PF	5%	50V	
C1234	1-126-965-11	ELECT	22uF	20%	50V	
C1241	1-126-965-11	ELECT	22uF	20%	50V	
C1242	1-163-012-00	CERAMIC CHIP	0.0018uF	5%	50V	
C1243	1-163-257-11	CERAMIC CHIP	180PF	5%	50V	
C1244	1-126-965-11	ELECT	22uF	20%	50V	
C1251	1-126-965-11	ELECT	22uF	20%	50V	
C1252	1-163-012-00	CERAMIC CHIP	0.0018uF	5%	50V	
C1253	1-163-257-11	CERAMIC CHIP	180PF	5%	50V	
C1254	1-126-965-11	ELECT	22uF	20%	50V	
C1261	1-126-965-11	ELECT	22uF	20%	50V	
C1262	1-163-012-00	CERAMIC CHIP	0.0018uF	5%	50V	
C1263	1-163-257-11	CERAMIC CHIP	180PF	5%	50V	
C1264	1-126-965-11	ELECT	22uF	20%	50V	
C1271	1-126-965-11	ELECT	22uF	20%	50V	
C1272	1-163-012-00	CERAMIC CHIP	0.0018uF	5%	50V	
C1273	1-163-257-11	CERAMIC CHIP	180PF	5%	50V	
C1274	1-126-965-11	ELECT	22uF	20%	50V	
C1281	1-126-965-11	ELECT	22uF	20%	50V	
C1282	1-163-012-00	CERAMIC CHIP	0.0018uF	5%	50V	
C1283	1-163-257-11	CERAMIC CHIP	180PF	5%	50V	
C1284	1-126-965-11	ELECT	22uF	20%	50V	
C1306	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1307	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1308	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1309	1-126-933-11	ELECT	100uF	20%	16V	
C1310	1-126-933-11	ELECT	100uF	20%	16V	
C1401	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
C1402	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1403	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1404	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1405	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1406	1-126-965-11	ELECT	22uF	20%	50V	
C1408	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V	
C1409	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1410	1-126-935-11	ELECT	470uF	20%	16V	
C1411	1-126-964-11	ELECT	10uF	20%	50V	
C1412	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1413	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1414	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1415	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
C1416	1-164-222-11	CERAMIC CHIP	0.22uF		25V	
C1417	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1418	1-104-660-11	ELECT	47uF	20%	16V	
C1419	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1420	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	
C1421	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1422	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1423	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1424	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1425	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C1426	1-104-660-11	ELECT	47uF	20%	16V	

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DIGITAL

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
C1427	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1721	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1428	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1722	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1429	1-163-231-11	CERAMIC CHIP	15PF	5% 50V	C1723	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1430	1-163-231-11	CERAMIC CHIP	15PF	5% 50V	C1724	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1431	1-126-934-11	ELECT	220uF	20% 16V	C1725	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1501	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1726	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1502	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1727	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1503	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1728	1-165-319-11	CERAMIC CHIP	0.1uF	50V
C1504	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1801	1-126-933-11	ELECT	100uF	20% 16V
C1505	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1802	1-126-935-11	ELECT	470uF	20% 16V
C1506	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1807	1-126-934-11	ELECT	220uF	20% 16V
C1507	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1808	1-126-935-11	ELECT	470uF	20% 16V
C1508	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1809	1-126-935-11	ELECT	470uF	20% 16V
C1509	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1811	1-126-767-11	ELECT	1000uF	20% 16V
C1510	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1812	1-126-918-11	ELECT	4700uF	20% 6.3V
C1511	1-165-319-11	CERAMIC CHIP	0.1uF	50V	C1815	1-126-767-11	ELECT	1000uF	20% 16V
C1512	1-165-319-11	CERAMIC CHIP	0.1uF	50V	< CONNECTOR >				
C1513	1-104-660-11	ELECT	47uF	20% 16V	CN1101	1-784-751-11	CONNECTOR, FFC 29P		
C1514	1-165-319-11	CERAMIC CHIP	0.1uF	50V	CN1102	1-569-815-11	CONNECTOR, BOARD TO BOARD 21P		
C1515	1-165-319-11	CERAMIC CHIP	0.1uF	50V	CN1103	1-569-815-11	CONNECTOR, BOARD TO BOARD 21P		
C1516	1-126-935-11	ELECT	470uF	20% 16V	CN1104	1-568-838-11	CONNECTOR, FFC 21P		
C1517	1-165-319-11	CERAMIC CHIP	0.1uF	50V	CN1105	1-784-776-11	CONNECTOR, FFC 15P		
C1601	1-165-319-11	CERAMIC CHIP	0.1uF	50V	CN1106	1-779-799-11	PIN, CONNECTOR 9P		
C1602	1-165-319-11	CERAMIC CHIP	0.1uF	50V	CN1107	1-784-923-11	PIN, CONNECTOR 7P		
C1603	1-165-319-11	CERAMIC CHIP	0.1uF	50V	CN1108	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		
C1604	1-165-319-11	CERAMIC CHIP	0.1uF	50V	< DIODE >				
C1605	1-165-319-11	CERAMIC CHIP	0.1uF	50V	D1701	8-719-988-61	DIODE 1SS355TE-17		
C1606	1-165-319-11	CERAMIC CHIP	0.1uF	50V	D1702	8-719-988-61	DIODE 1SS355TE-17		
C1607	1-165-319-11	CERAMIC CHIP	0.1uF	50V	D1703	8-719-801-78	DIODE 1SS184-TE85L		
C1608	1-165-319-11	CERAMIC CHIP	0.1uF	50V	D1801	8-719-053-18	DIODE 1SR154-400TE-25		
C1609	1-165-319-11	CERAMIC CHIP	0.1uF	50V	D1802	8-719-988-61	DIODE 1SS355TE-17		
C1610	1-165-319-11	CERAMIC CHIP	0.1uF	50V	D1803	8-719-053-18	DIODE 1SR154-400TE-25		
C1611	1-165-319-11	CERAMIC CHIP	0.1uF	50V	< FERRITE BEAD >				
C1612	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1101	1-469-730-11	FERRITE	0uH	
C1613	1-104-660-11	ELECT	47uF	20% 16V	FB1102	1-469-152-11	FERRITE	0uH	
C1614	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1201	1-469-152-11	FERRITE	0uH	
C1615	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1202	1-469-152-11	FERRITE	0uH	
C1616	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1401	1-469-152-11	FERRITE	0uH	
C1617	1-126-935-11	ELECT	470uF	20% 16V	FB1402	1-469-152-11	FERRITE	0uH	
C1618	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1403	1-469-152-11	FERRITE	0uH	
C1701	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1404	1-469-152-11	FERRITE	0uH	
C1702	1-163-125-00	CERAMIC CHIP	220PF	5% 50V	FB1405	1-469-730-11	FERRITE	0uH	
C1705	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1406	1-469-730-11	FERRITE	0uH	
C1706	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1407	1-469-730-11	FERRITE	0uH	
C1707	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1501	1-469-152-11	FERRITE	0uH	
C1708	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1502	1-469-152-11	FERRITE	0uH	
C1709	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1601	1-469-730-11	FERRITE	0uH	
C1710	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1602	1-469-152-11	FERRITE	0uH	
C1711	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1603	1-469-152-11	FERRITE	0uH	
C1712	1-165-319-11	CERAMIC CHIP	0.1uF	50V	FB1604	1-469-730-11	FERRITE	0uH	
C1713	1-126-964-11	ELECT	10uF	20% 50V	FB1703	1-469-152-11	FERRITE	0uH	
C1714	1-165-319-11	CERAMIC CHIP	0.1uF	50V					
C1715	1-165-319-11	CERAMIC CHIP	0.1uF	50V					
C1716	1-165-319-11	CERAMIC CHIP	0.1uF	50V					
C1717	1-165-319-11	CERAMIC CHIP	0.1uF	50V					
C1718	1-165-319-11	CERAMIC CHIP	0.1uF	50V					
C1719	1-165-319-11	CERAMIC CHIP	0.1uF	50V					
C1720	1-163-021-11	CERAMIC CHIP	0.001uF	10% 50V					

DIGITAL

Ref. No.	Part No.	Description	Remark
< IC >			
IC1101	8-759-560-56	IC PCM1800E/2K	
IC1102	8-759-099-06	IC M5218AFP-TE1	
IC1201	8-759-825-12	IC PCM1604Y/2K	
IC1202	8-759-825-13	IC PCM1748E/2K	
IC1221	8-759-099-06	IC M5218AFP-TE1	
IC1241	8-759-099-06	IC M5218AFP-TE1	
IC1261	8-759-099-06	IC M5218AFP-TE1	
IC1281	8-759-099-06	IC M5218AFP-TE1	
IC1301	8-759-088-08	IC uPC7812AHF	
IC1302	8-759-647-10	IC uPC2933HF	
IC1401	8-749-017-36	IC TORX-179 (DIGITAL DVD/LD OPTICAL IN)	
IC1402	8-749-923-05	IC TORX178B (DIGITAL TV/SAT OPTICAL IN)	
IC1403	8-749-923-05	IC TORX178B (DIGITAL MD/DAT OPTICAL IN)	
IC1404	8-749-923-04	IC TOTX178A (DIGITAL MD/DAT OPTICAL OUT)	
IC1405	8-759-242-70	IC TC7WU04F	
IC1406	8-759-926-17	IC SN74HC153ANS	
IC1407	8-759-546-74	IC TC7WH157FU (TE12R)	
IC1408	8-759-825-15	IC LC89056W-E	
IC1409	8-759-447-77	IC TC7WH74FU (TE12R)	
IC1410	8-759-242-70	IC TC7WU04F	
IC1501	8-759-698-76	IC CXD9617R	
IC1502	8-759-538-16	IC IDT71V016S15PH-AUTL	
IC1601	8-759-698-77	IC CXD9616R	
IC1602	8-759-538-16	IC IDT71V016S15PH-AUTL	
IC1701	8-759-641-86	IC BR24C16F-E2	
IC1702	8-759-714-20	IC S-80929ANMP-DDS-T2	
IC1703	8-759-836-80	IC MB91154PMT2-G-102-E1	
IC1801	8-759-039-69	IC uPC7805AHF	
IC1802	8-759-039-69	IC uPC7805AHF	
IC1803	8-759-647-11	IC uPC2905HF	
IC1804	8-759-647-10	IC uPC2933HF	
IC1805	8-759-835-63	IC NJM2391DL1-26-TE1	
IC1806	8-759-647-10	IC uPC2933HF	
IC1807	8-759-039-69	IC uPC7805AHF	
IC1808	8-759-039-69	IC uPC7805AHF	
< JACK >			
J1401	1-794-972-11	JACK, PIN 1P (DIGITAL DVD/LD COAXIAL IN)	
< SHORT >			
JW1001	1-211-950-11	SHORT	0
JW1002	1-216-296-11	SHORT	0
JW1003	1-216-296-11	SHORT	0
JW1004	1-216-296-11	SHORT	0
JW1005	1-216-296-11	SHORT	0
JW1006	1-216-296-11	SHORT	0
JW1101	1-216-295-11	SHORT	0
JW1102	1-216-295-11	SHORT	0
JW1103	1-216-295-11	SHORT	0
< TRANSISTOR >			
Q1401	8-729-230-49	TRANSISTOR	2SC2712-YG
Q1402	8-729-230-49	TRANSISTOR	2SC2712-YG
Q1701	8-729-230-49	TRANSISTOR	2SC2712-YG
Q1702	8-729-230-49	TRANSISTOR	2SC2712-YG
Q1703	8-729-027-43	TRANSISTOR	RT1N141C-TP-1

Ref. No.	Part No.	Description	Remark
Q1704	8-729-230-49	TRANSISTOR	2SC2712-YG
Q1705	8-729-230-49	TRANSISTOR	2SC2712-YG
Q1801	8-729-140-93	TRANSISTOR	2SB733-34
Q1802	8-729-027-43	TRANSISTOR	RT1N141C-TP-1
Q1803	8-729-140-93	TRANSISTOR	2SB733-34
Q1804	8-729-027-43	TRANSISTOR	RT1N141C-TP-1
Q1810	8-729-048-78	TRANSISTOR	2SD1733-TL-QR
Q1811	8-729-140-93	TRANSISTOR	2SB733-34
Q1812	8-729-027-43	TRANSISTOR	RT1N141C-TP-1
Q1813	8-729-140-93	TRANSISTOR	2SB733-34
Q1814	8-729-027-43	TRANSISTOR	RT1N141C-TP-1
< RESISTOR >			
R1101	1-216-025-11	RES-CHIP	100 5% 1/10W
R1121	1-216-085-00	RES-CHIP	33K 5% 1/10W
R1122	1-216-085-00	RES-CHIP	33K 5% 1/10W
R1124	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1131	1-216-085-00	RES-CHIP	33K 5% 1/10W
R1132	1-216-085-00	RES-CHIP	33K 5% 1/10W
R1134	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1201	1-216-025-11	RES-CHIP	100 5% 1/10W
R1202	1-216-025-11	RES-CHIP	100 5% 1/10W
R1203	1-216-025-11	RES-CHIP	100 5% 1/10W
R1204	1-216-073-00	RES-CHIP	10K 5% 1/10W
R1212	1-216-025-11	RES-CHIP	100 5% 1/10W
R1220	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1221	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R1222	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1223	1-216-033-00	METAL CHIP	220 5% 1/10W
R1224	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1230	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1231	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R1232	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1233	1-216-033-00	METAL CHIP	220 5% 1/10W
R1234	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1240	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1241	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R1242	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1243	1-216-033-00	METAL CHIP	220 5% 1/10W
R1244	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1250	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1251	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R1252	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1253	1-216-033-00	METAL CHIP	220 5% 1/10W
R1254	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1260	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1261	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R1262	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1263	1-216-033-00	METAL CHIP	220 5% 1/10W
R1264	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1270	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1271	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R1272	1-216-081-00	METAL CHIP	22K 5% 1/10W
R1273	1-216-033-00	METAL CHIP	220 5% 1/10W
R1274	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1280	1-216-071-00	METAL CHIP	8.2K 5% 1/10W
R1281	1-216-053-00	METAL CHIP	1.5K 5% 1/10W

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1282	1-216-081-00	METAL CHIP	22K	5%	1/10W	R1606	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1283	1-216-033-00	METAL CHIP	220	5%	1/10W	R1607	1-216-025-11	RES-CHIP	100	5%	1/10W
R1284	1-216-097-11	RES-CHIP	100K	5%	1/10W	R1608	1-216-295-11	SHORT	0		
R1303	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	R1609	1-216-025-11	RES-CHIP	100	5%	1/10W
R1304	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	R1610	1-216-025-11	RES-CHIP	100	5%	1/10W
R1401	1-216-022-00	METAL CHIP	75	5%	1/10W	R1611	1-216-025-11	RES-CHIP	100	5%	1/10W
R1402	1-216-025-11	RES-CHIP	100	5%	1/10W	R1612	1-216-033-00	METAL CHIP	220	5%	1/10W
R1403	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1650	1-216-025-11	RES-CHIP	100	5%	1/10W
R1404	1-216-115-00	METAL CHIP	560K	5%	1/10W	R1651	1-216-025-11	RES-CHIP	100	5%	1/10W
R1405	1-216-025-11	RES-CHIP	100	5%	1/10W	R1653	1-216-025-11	RES-CHIP	100	5%	1/10W
R1406	1-216-025-11	RES-CHIP	100	5%	1/10W	R1654	1-216-025-11	RES-CHIP	100	5%	1/10W
R1407	1-216-025-11	RES-CHIP	100	5%	1/10W	R1655	1-216-025-11	RES-CHIP	100	5%	1/10W
R1408	1-216-025-11	RES-CHIP	100	5%	1/10W	R1656	1-216-025-11	RES-CHIP	100	5%	1/10W
R1409	1-216-081-00	METAL CHIP	22K	5%	1/10W	R1657	1-216-025-11	RES-CHIP	100	5%	1/10W
R1410	1-216-085-00	RES-CHIP	33K	5%	1/10W	R1666	1-216-025-11	RES-CHIP	100	5%	1/10W
R1411	1-216-025-11	RES-CHIP	100	5%	1/10W	R1667	1-216-295-11	SHORT	0		
R1412	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	R1701	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1413	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R1702	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1414	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1703	1-216-001-00	METAL CHIP	10	5%	1/10W
R1415	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1704	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1416	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1705	1-216-025-11	RES-CHIP	100	5%	1/10W
R1417	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1706	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1418	1-216-025-11	RES-CHIP	100	5%	1/10W	R1707	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1419	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1708	1-216-025-11	RES-CHIP	100	5%	1/10W
R1420	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1709	1-216-025-11	RES-CHIP	100	5%	1/10W
R1421	1-216-025-11	RES-CHIP	100	5%	1/10W	R1710	1-216-025-11	RES-CHIP	100	5%	1/10W
R1422	1-216-025-11	RES-CHIP	100	5%	1/10W	R1711	1-216-025-11	RES-CHIP	100	5%	1/10W
R1423	1-216-025-11	RES-CHIP	100	5%	1/10W	R1712	1-216-025-11	RES-CHIP	100	5%	1/10W
R1424	1-216-025-11	RES-CHIP	100	5%	1/10W	R1713	1-216-025-11	RES-CHIP	100	5%	1/10W
R1425	1-216-025-11	RES-CHIP	100	5%	1/10W	R1714	1-216-025-11	RES-CHIP	100	5%	1/10W
R1426	1-216-025-11	RES-CHIP	100	5%	1/10W	R1715	1-216-025-11	RES-CHIP	100	5%	1/10W
R1427	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1716	1-216-025-11	RES-CHIP	100	5%	1/10W
R1428	1-216-065-00	RES-CHIP	4.7K	5%	1/10W	R1717	1-216-025-11	RES-CHIP	100	5%	1/10W
R1429	1-216-295-11	SHORT	0			R1718	1-216-025-11	RES-CHIP	100	5%	1/10W
R1430	1-216-025-11	RES-CHIP	100	5%	1/10W	R1719	1-216-025-11	RES-CHIP	100	5%	1/10W
R1431	1-216-121-11	RES-CHIP	1M	5%	1/10W	R1720	1-216-025-11	RES-CHIP	100	5%	1/10W
R1432	1-216-025-11	RES-CHIP	100	5%	1/10W	R1721	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R1433	1-216-029-00	METAL CHIP	150	5%	1/10W	R1722	1-216-025-11	RES-CHIP	100	5%	1/10W
R1434	1-216-025-11	RES-CHIP	100	5%	1/10W	R1723	1-216-025-11	RES-CHIP	100	5%	1/10W
R1435	1-216-025-11	RES-CHIP	100	5%	1/10W	R1724	1-216-025-11	RES-CHIP	100	5%	1/10W
R1436	1-216-025-11	RES-CHIP	100	5%	1/10W	R1725	1-216-025-11	RES-CHIP	100	5%	1/10W
R1437	1-216-033-00	METAL CHIP	220	5%	1/10W	R1726	1-216-025-11	RES-CHIP	100	5%	1/10W
R1503	1-216-025-11	RES-CHIP	100	5%	1/10W	R1727	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R1504	1-216-025-11	RES-CHIP	100	5%	1/10W	R1728	1-216-025-11	RES-CHIP	100	5%	1/10W
R1505	1-216-025-11	RES-CHIP	100	5%	1/10W	R1729	1-216-025-11	RES-CHIP	100	5%	1/10W
R1506	1-216-025-11	RES-CHIP	100	5%	1/10W	R1730	1-216-025-11	RES-CHIP	100	5%	1/10W
R1507	1-216-025-11	RES-CHIP	100	5%	1/10W	R1731	1-216-025-11	RES-CHIP	100	5%	1/10W
R1508	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1732	1-216-025-11	RES-CHIP	100	5%	1/10W
R1509	1-216-295-11	SHORT	0			R1733	1-216-025-11	RES-CHIP	100	5%	1/10W
R1510	1-216-025-11	RES-CHIP	100	5%	1/10W	R1734	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1512	1-216-025-11	RES-CHIP	100	5%	1/10W	R1735	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1513	1-216-025-11	RES-CHIP	100	5%	1/10W	R1736	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1566	1-216-025-11	RES-CHIP	100	5%	1/10W	R1737	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1601	1-216-025-11	RES-CHIP	100	5%	1/10W	R1738	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1602	1-216-025-11	RES-CHIP	100	5%	1/10W	R1739	1-216-025-11	RES-CHIP	100	5%	1/10W
R1603	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1740	1-216-025-11	RES-CHIP	100	5%	1/10W
R1605	1-216-025-11	RES-CHIP	100	5%	1/10W	R1741	1-216-073-00	RES-CHIP	10K	5%	1/10W
						R1742	1-216-033-00	METAL CHIP	220	5%	1/10W

DIGITAL

DISP

Ref. No.	Part No.	Description	Remark		
R1743	1-216-025-11	RES-CHIP	100	5%	1/10W
R1744	1-216-025-11	RES-CHIP	100	5%	1/10W
R1745	1-216-025-11	RES-CHIP	100	5%	1/10W
R1746	1-216-025-11	RES-CHIP	100	5%	1/10W
R1747	1-216-025-11	RES-CHIP	100	5%	1/10W
R1748	1-216-025-11	RES-CHIP	100	5%	1/10W
R1749	1-216-025-11	RES-CHIP	100	5%	1/10W
R1750	1-216-025-11	RES-CHIP	100	5%	1/10W
R1751	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1752	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1753	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1754	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1755	1-216-025-11	RES-CHIP	100	5%	1/10W
R1756	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1757	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1758	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1760	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1761	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1762	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1763	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1764	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1765	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1766	1-216-025-11	RES-CHIP	100	5%	1/10W
R1768	1-216-025-11	RES-CHIP	100	5%	1/10W
R1769	1-216-077-00	RES-CHIP	15K	5%	1/10W
R1770	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1771	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1772	1-216-033-00	METAL CHIP	220	5%	1/10W
R1773	1-216-025-11	RES-CHIP	100	5%	1/10W
R1774	1-216-033-00	METAL CHIP	220	5%	1/10W
R1775	1-216-025-11	RES-CHIP	100	5%	1/10W
R1776	1-216-025-11	RES-CHIP	100	5%	1/10W
R1777	1-216-025-11	RES-CHIP	100	5%	1/10W
R1778	1-216-033-00	METAL CHIP	220	5%	1/10W
R1779	1-216-025-11	RES-CHIP	100	5%	1/10W
R1780	1-216-025-11	RES-CHIP	100	5%	1/10W
R1781	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1782	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1783	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1784	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1785	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1786	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1787	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1788	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1789	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1790	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1791	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1792	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1793	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1794	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1795	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1796	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1797	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1798	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1799	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1800	1-216-033-00	METAL CHIP	220	5%	1/10W
R1801	1-216-045-00	METAL CHIP	680	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R1802	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1803	1-216-045-00	METAL CHIP	680	5%	1/10W
R1804	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1805	1-216-045-00	METAL CHIP	680	5%	1/10W
R1806	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1807	1-216-045-00	METAL CHIP	680	5%	1/10W
R1808	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1809	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1810	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1812	1-216-033-00	METAL CHIP	220	5%	1/10W
R1813	1-216-033-00	METAL CHIP	220	5%	1/10W
R1814	1-216-033-00	METAL CHIP	220	5%	1/10W
R1815	1-216-025-11	RES-CHIP	100	5%	1/10W
< VIBRATOR >					
X1401	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X1501	1-795-297-21	VIBRATOR, CERAMIC (13.5MHz)			
X1601	1-795-264-21	VIBRATOR, CERAMIC (13.5MHz)			
X1701	1-795-179-21	VIBRATOR, CERAMIC (16.5MHz)			

A-4476-447-A DISP BOARD, COMPLETE					

*	4-955-901-01	CUSHION (FL)			
*	4-990-797-01	HOLDER (FL)			
< CAPACITOR >					
C1601	1-126-967-11	ELECT	47uF	20%	50V
C1602	1-164-159-11	CERAMIC	0.1uF		50V
C1603	1-164-159-11	CERAMIC	0.1uF		50V
C1607	1-164-159-11	CERAMIC	0.1uF		50V
C1608	1-164-159-11	CERAMIC	0.1uF		50V
C1609	1-164-159-11	CERAMIC	0.1uF		50V
C1610	1-164-159-11	CERAMIC	0.1uF		50V
C1611	1-164-159-11	CERAMIC	0.1uF		50V
C1612	1-164-159-11	CERAMIC	0.1uF		50V
C1613	1-164-159-11	CERAMIC	0.1uF		50V
C1614	1-164-159-11	CERAMIC	0.1uF		50V
C1615	1-164-159-11	CERAMIC	0.1uF		50V
C1616	1-164-159-11	CERAMIC	0.1uF		50V
C1617	1-162-282-31	CERAMIC	100PF	10%	50V
C1618	1-162-282-31	CERAMIC	100PF	10%	50V
C1619	1-162-282-31	CERAMIC	100PF	10%	50V
C1701	1-104-660-11	ELECT	47uF	20%	16V
< CONNECTOR >					
CN1601	1-568-844-11	CONNECTOR, FFC 29P			
* CN1602	1-691-746-11	CONNECTOR, BOARD TO BOARD 5P			
CN1603	1-770-143-11	CONNECTOR, BOARD TO BOARD 6P			
< LED >					
D1601	8-719-075-60	LED SELS5823C-TP15 (VIDEO 1)			
D1602	8-719-075-60	LED SELS5823C-TP15 (VIDEO 2)			
D1603	8-719-075-60	LED SELS5823C-TP15 (VIDEO 3)			
D1604	8-719-075-60	LED SELS5823C-TP15 (DVD/LD)			
D1605	8-719-075-60	LED SELS5823C-TP15 (TV/SAT)			
D1611	8-719-046-39	LED SEL5821A-TP15 (DIMMER)			

DISP

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D1612	8-719-075-59	LED SELS5B23C-TP15 (DIGITAL CINEMA SOUND)		R1652	1-249-417-11	CARBON 1K 5%	1/4W
D1613	8-719-075-59	LED SELS5B23C-TP15 (6.1CH DECODING)		R1653	1-249-421-11	CARBON 2.2K 5%	1/4W
D1615	8-719-046-39	LED SEL5821A-TP15 (MULTI/2CH A.DIRECT)		R1654	1-249-421-11	CARBON 2.2K 5%	1/4W
D1616	8-719-046-39	LED SEL5821A-TP15 (SOUND FIELD 2CH)		R1655	1-249-425-11	CARBON 4.7K 5%	1/4W
D1617	8-719-046-39	LED SEL5821A-TP15 (SOUND FIELD MODE)		R1656	1-249-429-11	CARBON 10K 5%	1/4W
D1618	8-719-046-39	LED SEL5821A-TP15 (SOUND FIELD A.F.D.)		R1657	1-249-433-11	CARBON 22K 5%	1/4W
D1619	8-719-084-07	LED SEL5E20CTP15 (MULTI CHANNEL DECODING)		R1658	1-249-437-11	CARBON 47K 5%	1/4W
D1621	8-719-046-39	LED SEL5821A-TP15 (LEVEL)		R1662	1-249-417-11	CARBON 1K 5%	1/4W
D1622	8-719-046-39	LED SEL5821A-TP15 (SURR)		R1663	1-249-421-11	CARBON 2.2K 5%	1/4W
D1623	8-719-046-39	LED SEL5821A-TP15 (EQ)		R1664	1-249-421-11	CARBON 2.2K 5%	1/4W
D1624	8-719-046-39	LED SEL5821A-TP15 (NAME)		R1665	1-249-425-11	CARBON 4.7K 5%	1/4W
D1625	8-719-046-39	LED SEL5821A-TP15 (SET UP)		R1666	1-249-429-11	CARBON 10K 5%	1/4W
< FLUORESCENT INDICATOR TUBE >				R1667	1-249-433-11	CARBON 22K 5%	1/4W
FL1601	1-518-737-11	INDICATOR TUBE, FLUORESCENT		R1668	1-249-437-11	CARBON 47K 5%	1/4W
< IC >				R1672	1-249-417-11	CARBON 1K 5%	1/4W
IC1601	8-759-679-75	IC ML9261MB		R1673	1-249-421-11	CARBON 2.2K 5%	1/4W
IC1602	8-759-373-50	IC NJU3719L		R1674	1-249-421-11	CARBON 2.2K 5%	1/4W
IC1603	8-759-036-90	IC MC74ACT08N		R1675	1-249-425-11	CARBON 4.7K 5%	1/4W
IC1604	8-759-459-86	IC NJL64H400A		R1676	1-249-429-11	CARBON 10K 5%	1/4W
IC1610	8-759-036-90	IC MC74ACT08N		R1677	1-249-433-11	CARBON 22K 5%	1/4W
< TRANSISTOR >				R1682	1-249-417-11	CARBON 1K 5%	1/4W
Q1602	8-729-119-76	TRANSISTOR 2SA1115TP-EF		R1683	1-249-421-11	CARBON 2.2K 5%	1/4W
< RESISTOR >				R1684	1-249-421-11	CARBON 2.2K 5%	1/4W
△ R1601	1-249-381-11	CARBON 1 5%	1/4W F	R1685	1-249-425-11	CARBON 4.7K 5%	1/4W
△ R1602	1-249-381-11	CARBON 1 5%	1/4W F	R1692	1-249-417-11	CARBON 1K 5%	1/4W
R1603	1-249-393-11	CARBON 10 5%	1/4W	R1693	1-249-421-11	CARBON 2.2K 5%	1/4W
R1605	1-247-807-31	CARBON 100 5%	1/4W	< SWITCH >			
R1607	1-249-429-11	CARBON 10K 5%	1/4W	S1651	1-762-875-21	SWITCH, KEYBOARD (LEVEL)	
R1608	1-249-429-11	CARBON 10K 5%	1/4W	S1652	1-762-875-21	SWITCH, KEYBOARD (SURR)	
R1609	1-249-429-11	CARBON 10K 5%	1/4W	S1653	1-762-875-21	SWITCH, KEYBOARD (EQ)	
R1610	1-249-429-11	CARBON 10K 5%	1/4W	S1654	1-762-875-21	SWITCH, KEYBOARD (<)	
R1617	1-249-429-11	CARBON 10K 5%	1/4W	S1655	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING -)	
R1618	1-249-429-11	CARBON 10K 5%	1/4W	S1656	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING +)	
R1629	1-249-437-11	CARBON 47K 5%	1/4W	S1657	1-762-875-21	SWITCH, KEYBOARD (TUNING -)	
R1630	1-249-437-11	CARBON 47K 5%	1/4W	S1658	1-762-875-21	SWITCH, KEYBOARD (TUNING +)	
R1631	1-249-409-11	CARBON 220 5%	1/4W	S1661	1-762-875-21	SWITCH, KEYBOARD (CINEMA STUDIO C)	
R1632	1-249-411-11	CARBON 330 5%	1/4W	S1662	1-762-875-21	SWITCH, KEYBOARD (CINEMA STUDIO B)	
R1633	1-249-411-11	CARBON 330 5%	1/4W	S1663	1-762-875-21	SWITCH, KEYBOARD (CINEMA STUDIO A)	
R1634	1-249-411-11	CARBON 330 5%	1/4W	S1664	1-762-875-21	SWITCH, KEYBOARD (SET UP)	
R1635	1-249-411-11	CARBON 330 5%	1/4W	S1665	1-762-875-21	SWITCH, KEYBOARD (NAME)	
R1636	1-249-411-11	CARBON 330 5%	1/4W	S1666	1-762-875-21	SWITCH, KEYBOARD (>)	
R1637	1-249-402-11	CARBON 56 5%	1/4W	S1667	1-762-875-21	SWITCH, KEYBOARD (ENTER)	
R1638	1-249-409-11	CARBON 220 5%	1/4W	S1668	1-762-875-21	SWITCH, KEYBOARD (SOUND FIELD A.F.D.)	
R1640	1-249-429-11	CARBON 10K 5%	1/4W	S1671	1-762-875-21	SWITCH, KEYBOARD (DIGITAL CONCERT HALL B)	
R1641	1-247-807-31	CARBON 100 5%	1/4W	S1672	1-762-875-21	SWITCH, KEYBOARD (EQUALIZER)	
R1642	1-247-807-31	CARBON 100 5%	1/4W	S1673	1-762-875-21	SWITCH, KEYBOARD (6.1CH DECODING)	
R1643	1-247-807-31	CARBON 100 5%	1/4W	S1674	1-762-875-21	SWITCH, KEYBOARD (DIGITAL CONCERT HALL A)	
R1644	1-247-807-31	CARBON 100 5%	1/4W	S1675	1-762-875-21	SWITCH, KEYBOARD (MULTI/2CH A.DIRECT)	
R1645	1-247-807-31	CARBON 100 5%	1/4W	S1676	1-762-875-21	SWITCH, KEYBOARD (SOUND FIELD MODE)	
R1646	1-247-807-31	CARBON 100 5%	1/4W	S1677	1-762-875-21	SWITCH, KEYBOARD (SOUND FIELD 2CH)	
R1647	1-247-807-31	CARBON 100 5%	1/4W	S1681	1-762-875-21	SWITCH, KEYBOARD (AM)	
R1648	1-247-807-31	CARBON 100 5%	1/4W	S1682	1-762-875-21	SWITCH, KEYBOARD (FM)	
				S1683	1-762-875-21	SWITCH, KEYBOARD (FM MODE)	
				S1684	1-762-875-21	SWITCH, KEYBOARD (SHIFT)	
				S1685	1-762-875-21	SWITCH, KEYBOARD (MEMORY)	

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

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

DISP

H.P

JOG

MAIN

Ref. No.	Part No.	Description	Remark
S1691	1-762-875-21	SWITCH, KEYBOARD (MODE)	
S1692	1-762-875-21	SWITCH, KEYBOARD (INPUT MODE)	
S1693	1-762-875-21	SWITCH, KEYBOARD (MUTING)	

	1-681-111-11	H.P BOARD	

		< CONNECTOR >	
CN749	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P	
		< JACK >	
J749	1-815-313-21	JACK (PHONES)	
		< LEAD >	
W749	1-775-377-61	LEAD (WITH CONNECTOR)	

	1-681-110-11	JOG BOARD	

		< CONNECTOR >	
* CN1901	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< ROTARY ENCODER >	
RV1901	1-418-817-11	ENCODER, ROTARY (JOG DIAL)	

	A-4476-444-A	MAIN BOARD, COMPLETE (US)	
	A-4476-463-A	MAIN BOARD, COMPLETE (Canadian)	

	7-685-872-09	SCREW +BVTT 3X8 (S)	
		< CAPACITOR >	
C107	1-128-825-11	CERAMIC	2200PF 5% 50V
C110	1-126-961-11	ELECT	2.2uF 20% 50V
C111	1-126-934-11	ELECT	220uF 20% 10V
C113	1-125-896-11	MYLAR	0.0091uF 5% 50V
C114	1-136-159-00	MYLAR	0.033uF 5% 50V
C115	1-126-961-11	ELECT	2.2uF 20% 50V
C123	1-126-965-11	ELECT	22uF 20% 50V
C124	1-126-965-11	ELECT	22uF 20% 50V
C125	1-128-809-11	CERAMIC	100PF 5% 50V
C126	1-128-825-11	CERAMIC	2200PF 5% 50V
C127	1-128-825-11	CERAMIC	2200PF 5% 50V
C128	1-128-825-11	CERAMIC	2200PF 5% 50V
C129	1-128-825-11	CERAMIC	2200PF 5% 50V
C130	1-128-809-11	CERAMIC	100PF 5% 50V
C131	1-128-825-11	CERAMIC	2200PF 5% 50V
C132	1-128-825-11	CERAMIC	2200PF 5% 50V
C133	1-128-809-11	CERAMIC	100PF 5% 50V
C134	1-128-809-11	CERAMIC	100PF 5% 50V
C136	1-128-825-11	CERAMIC	2200PF 5% 50V
C137	1-128-825-11	CERAMIC	2200PF 5% 50V
C138	1-127-876-11	CERAMIC	0.01uF 10% 50V
C160	1-126-961-11	ELECT	2.2uF 20% 50V
C161	1-126-934-11	ELECT	220uF 20% 10V

Ref. No.	Part No.	Description	Remark
C163	1-125-896-11	MYLAR	0.0091uF 5% 50V
C164	1-136-159-00	MYLAR	0.033uF 5% 50V
C165	1-126-961-11	ELECT	2.2uF 20% 50V
C173	1-126-965-11	ELECT	22uF 20% 50V
C174	1-126-965-11	ELECT	22uF 20% 50V
C175	1-128-809-11	CERAMIC	100PF 5% 50V
C177	1-128-825-11	CERAMIC	2200PF 5% 50V
C401	1-126-965-11	ELECT	22uF 20% 50V
C402	1-128-813-11	CERAMIC	220PF 5% 50V
C404	1-126-965-11	ELECT	22uF 20% 50V
C405	1-128-813-11	CERAMIC	220PF 5% 50V
C406	1-102-233-00	CERAMIC	33PF 10% 500V
C407	1-136-163-00	MYLAR	0.068uF 5% 50V
C408	1-102-230-00	CERAMIC	4PF 0.25PF 500V
C409	1-126-934-11	ELECT	220uF 20% 10V
C410	1-128-809-11	CERAMIC	100PF 5% 50V
C411	1-107-597-11	CERAMIC	22PF 10% 500V
C412	1-107-597-11	CERAMIC	22PF 10% 500V
C414	1-136-163-00	MYLAR	0.068uF 5% 50V
C417	1-128-809-11	CERAMIC	100PF 5% 50V
C419	1-104-660-11	ELECT	47uF 20% 16V
C420	1-128-809-11	CERAMIC	100PF 5% 50V
C451	1-126-965-11	ELECT	22uF 20% 50V
C452	1-128-813-11	CERAMIC	220PF 5% 50V
C454	1-126-965-11	ELECT	22uF 20% 50V
C455	1-128-813-11	CERAMIC	220PF 5% 50V
C456	1-102-233-00	CERAMIC	33PF 10% 500V
C457	1-136-163-00	MYLAR	0.068uF 5% 50V
C458	1-102-230-00	CERAMIC	4PF 0.25PF 500V
C459	1-126-934-11	ELECT	220uF 20% 10V
C460	1-128-809-11	CERAMIC	100PF 5% 50V
C461	1-107-597-11	CERAMIC	22PF 10% 500V
C462	1-107-597-11	CERAMIC	22PF 10% 500V
C464	1-136-163-00	MYLAR	0.068uF 5% 50V
C467	1-104-660-11	ELECT	47uF 20% 16V
C501	1-126-965-11	ELECT	22uF 20% 50V
C502	1-128-813-11	CERAMIC	220PF 5% 50V
C504	1-126-965-11	ELECT	22uF 20% 50V
C505	1-128-813-11	CERAMIC	220PF 5% 50V
C506	1-102-233-00	CERAMIC	33PF 10% 500V
C507	1-128-809-11	CERAMIC	100PF 5% 50V
C508	1-102-230-00	CERAMIC	4PF 0.25PF 500V
C509	1-126-934-11	ELECT	220uF 20% 10V
C510	1-128-809-11	CERAMIC	100PF 5% 50V
C511	1-107-597-11	CERAMIC	22PF 10% 500V
C512	1-107-597-11	CERAMIC	22PF 10% 500V
C514	1-136-163-00	MYLAR	0.068uF 5% 50V
C517	1-128-809-11	CERAMIC	100PF 5% 50V
C518	1-104-660-11	ELECT	47uF 20% 16V
C519	1-128-809-11	CERAMIC	100PF 5% 50V
C520	1-136-163-00	MYLAR	0.068uF 5% 50V
C551	1-126-965-11	ELECT	22uF 20% 50V
C552	1-128-813-11	CERAMIC	220PF 5% 50V
C554	1-126-965-11	ELECT	22uF 20% 50V
C555	1-128-813-11	CERAMIC	220PF 5% 50V
C556	1-102-233-00	CERAMIC	33PF 10% 500V
C557	1-128-809-11	CERAMIC	100PF 5% 50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C558	1-102-230-00	CERAMIC	4PF	0.25PF	500V	C821	1-127-876-11	CERAMIC	0.01uF	10%	50V
C559	1-126-934-11	ELECT	220uF	20%	10V	< CONNECTOR >					
C560	1-128-809-11	CERAMIC	100PF	5%	50V						
C561	1-107-597-11	CERAMIC	22PF	10%	500V						
C562	1-107-597-11	CERAMIC	22PF	10%	500V						
C564	1-136-163-00	MYLAR	0.068uF	5%	50V						
C567	1-104-660-11	ELECT	47uF	20%	16V	CN101	1-568-828-11	CONNECTOR, FFC 9P			
C568	1-136-163-00	MYLAR	0.068uF	5%	50V						
C601	1-126-965-11	ELECT	22uF	20%	50V						
C602	1-128-813-11	CERAMIC	220PF	5%	50V						
C604	1-126-965-11	ELECT	22uF	20%	50V	CN801	1-784-922-11	PIN, CONNECTOR 5P			
C605	1-128-813-11	CERAMIC	220PF	5%	50V	CN802	1-785-102-11	PIN, CONNECTOR 4P			
C606	1-102-233-00	CERAMIC	33PF	10%	500V	CN803	1-785-102-21	PIN, CONNECTOR 4P			
C607	1-128-809-11	CERAMIC	100PF	5%	50V	CN804	1-784-923-11	PIN, CONNECTOR 7P			
C608	1-102-230-00	CERAMIC	4PF	0.25PF	500V	CN805	1-784-921-11	PIN, CONNECTOR 4P			
C609	1-126-934-11	ELECT	220uF	20%	10V	CN806	1-569-814-11	CONNECTOR, BOARD TO BOARD 21P			
C610	1-128-809-11	CERAMIC	100PF	5%	50V	CN807	1-569-814-11	CONNECTOR, BOARD TO BOARD 21P			
C611	1-107-597-11	CERAMIC	22PF	10%	500V	< DIODE >					
C612	1-107-597-11	CERAMIC	22PF	10%	500V						
C614	1-136-163-00	MYLAR	0.068uF	5%	50V						
C617	1-128-809-11	CERAMIC	100PF	5%	50V						
C618	1-104-660-11	ELECT	47uF	20%	16V						
C619	1-128-809-11	CERAMIC	100PF	5%	50V	D301	8-719-911-19	DIODE 1SS199-25			
C620	1-136-163-00	MYLAR	0.068uF	5%	50V	D801	8-719-911-19	DIODE 1SS199-25			
C651	1-126-965-11	ELECT	22uF	20%	50V	D802	8-719-911-19	DIODE 1SS199-25			
C652	1-128-813-11	CERAMIC	220PF	5%	50V	D803	8-719-911-19	DIODE 1SS199-25			
C654	1-126-965-11	ELECT	22uF	20%	50V	D809	8-719-911-19	DIODE 1SS199-25			
C655	1-128-813-11	CERAMIC	220PF	5%	50V	D810	8-719-911-19	DIODE 1SS199-25			
C656	1-102-233-00	CERAMIC	33PF	10%	500V	D811	8-719-911-19	DIODE 1SS199-25			
C657	1-128-809-11	CERAMIC	100PF	5%	50V	D814	8-719-911-19	DIODE 1SS199-25			
C658	1-102-230-00	CERAMIC	4PF	0.25PF	500V	D815	8-719-985-88	DIODE HZS6B2LTA			
C659	1-126-934-11	ELECT	220uF	20%	10V	D816	8-719-911-19	DIODE 1SS199-25			
C660	1-128-809-11	CERAMIC	100PF	5%	50V	< IC >					
C661	1-107-597-11	CERAMIC	22PF	10%	500V						
C662	1-107-597-11	CERAMIC	22PF	10%	500V						
C664	1-136-163-00	MYLAR	0.068uF	5%	50V						
C667	1-104-660-11	ELECT	47uF	20%	16V						
C668	1-136-163-00	MYLAR	0.068uF	5%	50V	IC101	8-759-835-79	IC TC9274N-016			
C701	1-126-965-11	ELECT	22uF	20%	50V	IC102	8-759-582-64	IC TC9273N-004			
C702	1-128-813-11	CERAMIC	220PF	5%	50V	IC103	8-759-636-74	IC M5218AP-22			
C703	1-126-965-11	ELECT	22uF	20%	50V	IC104	8-759-636-74	IC M5218AP-22			
C704	1-128-809-11	CERAMIC	100PF	5%	50V	IC105	8-759-582-66	IC TC9273N-013			
C718	1-104-660-11	ELECT	47uF	20%	16V	IC401	8-759-835-76	IC TC94A07P			
C801	1-126-941-11	ELECT	470uF	20%	25V	IC402	8-759-636-74	IC M5218AP-22			
C802	1-126-941-11	ELECT	470uF	20%	25V	IC403	8-759-326-52	IC uPC2581V			
C803	1-136-173-00	MYLAR	0.47uF	5%	50V	IC501	8-759-835-76	IC TC94A07P			
C804	1-136-173-00	MYLAR	0.47uF	5%	50V	IC502	8-759-636-74	IC M5218AP-22			
C809	1-128-560-11	ELECT	22uF	20%	100V	IC503	8-759-326-52	IC uPC2581V			
C810	1-128-560-11	ELECT	22uF	20%	100V	IC601	8-759-835-76	IC TC94A07P			
C812	1-127-888-11	CERAMIC	0.1uF	10%	50V	IC602	8-759-636-74	IC M5218AP-22			
C813	1-127-888-11	CERAMIC	0.1uF	10%	50V	IC603	8-759-326-52	IC uPC2581V			
C814	1-126-933-11	ELECT	100uF	20%	16V	IC701	8-759-835-76	IC TC94A07P			
C815	1-126-933-11	ELECT	100uF	20%	16V	IC702	8-759-636-74	IC M5218AP-22			
C816	1-127-880-11	CERAMIC	0.022uF	10%	50V	IC801	8-759-231-59	IC TA7815S			
C817	1-135-775-11	ELECT	47uF		35V	IC802	8-759-245-87	IC TA7915S			
C818	1-128-551-11	ELECT	22uF	20%	25V	IC804	8-759-036-90	IC MC74ACT08N			
C819	1-128-551-11	ELECT	22uF	20%	25V	IC805	8-759-036-90	IC MC74ACT08N			
< JACK >											
J301	1-794-981-11	JACK, PIN 4P (PHONO IN, CD/SACD IN)									
J302	1-794-981-11	JACK, PIN 4P (MD/DAT OUT, MD/DAT IN)									
J303	1-774-411-11	JACK, PIN 6P (TAPE IN/OUT, 2ND ROOM OUT)									
J304	1-793-775-12	JACK, PIN 6P (MULTI CH IN 1 FRONT/ SURROUND/CENTER/SURROUND BACK)									
J305	1-793-775-12	JACK, PIN 6P (MULTI CH IN 2 FRONT/ SURROUND/CENTER/SUB WOOFER)									
J307	1-774-843-11	JACK, PIN 1P (MULTI CH IN 1 SUB WOOFER)									
< COIL >											
L401	1-420-872-00	COIL, AIR-CORE									

MAIN

Ref. No.	Part No.	Description					Remark	Ref. No.	Part No.	Description				Remark
L451	1-420-872-00	COIL, AIR-CORE						R125	1-249-417-11	CARBON	1K	5%		1/4W
L501	1-420-872-00	COIL, AIR-CORE						R126	1-249-421-11	CARBON	2.2K	5%		1/4W
L551	1-420-872-00	COIL, AIR-CORE						R127	1-249-417-11	CARBON	1K	5%		1/4W
L601	1-420-872-00	COIL, AIR-CORE						R128	1-249-421-11	CARBON	2.2K	5%		1/4W
L651	1-420-872-00	COIL, AIR-CORE						R129	1-249-417-11	CARBON	1K	5%		1/4W
		< TRANSISTOR >						R130	1-249-425-11	CARBON	4.7K	5%		1/4W
								R131	1-247-807-31	CARBON	100	5%		1/4W
								R132	1-249-437-11	CARBON	47K	5%		1/4W
Q301	8-729-119-79	TRANSISTOR	2SC2785-FEK					R133	1-247-887-00	CARBON	220K	5%		1/4W
Q401	8-729-141-30	TRANSISTOR	2SC3623A-LK											
Q402	8-749-010-25	TRANSISTOR	2SD2560					R134	1-247-887-00	CARBON	220K	5%		1/4W
Q403	8-749-010-26	TRANSISTOR	2SB1647					R135	1-249-417-11	CARBON	1K	5%		1/4W
Q451	8-729-141-30	TRANSISTOR	2SC3623A-LK					R151	1-249-417-11	CARBON	1K	5%		1/4W
								R152	1-249-417-11	CARBON	1K	5%		1/4W
Q452	8-749-010-25	TRANSISTOR	2SD2560					R153	1-249-417-11	CARBON	1K	5%		1/4W
Q453	8-749-010-26	TRANSISTOR	2SB1647											
Q501	8-729-141-30	TRANSISTOR	2SC3623A-LK					R154	1-249-417-11	CARBON	1K	5%		1/4W
Q502	8-749-010-25	TRANSISTOR	2SD2560					R155	1-249-417-11	CARBON	1K	5%		1/4W
Q503	8-749-010-26	TRANSISTOR	2SB1647					R156	1-249-417-11	CARBON	1K	5%		1/4W
								R157	1-249-417-11	CARBON	1K	5%		1/4W
Q551	8-729-141-30	TRANSISTOR	2SC3623A-LK					R166	1-249-441-11	CARBON	100K	5%		1/4W
Q552	8-749-010-25	TRANSISTOR	2SD2560											
Q553	8-749-010-26	TRANSISTOR	2SB1647					R167	1-249-440-11	CARBON	82K	5%		1/4W
Q601	8-729-141-30	TRANSISTOR	2SC3623A-LK					R168	1-249-408-11	CARBON	180	5%		1/4W
Q602	8-749-010-25	TRANSISTOR	2SD2560					R169	1-249-428-11	CARBON	8.2K	5%		1/4W
								R170	1-249-441-11	CARBON	100K	5%		1/4W
Q603	8-749-010-26	TRANSISTOR	2SB1647					R171	1-247-807-31	CARBON	100	5%		1/4W
Q651	8-729-141-30	TRANSISTOR	2SC3623A-LK											
Q652	8-749-010-25	TRANSISTOR	2SD2560					R172	1-249-413-11	CARBON	470	5%		1/4W
Q653	8-749-010-26	TRANSISTOR	2SB1647					R173	1-249-441-11	CARBON	100K	5%		1/4W
Q701	8-729-141-30	TRANSISTOR	2SC3623A-LK					R175	1-249-417-11	CARBON	1K	5%		1/4W
								R176	1-249-421-11	CARBON	2.2K	5%		1/4W
Q806	8-729-119-78	TRANSISTOR	2SC2785-HFE					R177	1-249-417-11	CARBON	1K	5%		1/4W
Q807	8-729-119-79	TRANSISTOR	2SC2785-FEK											
Q808	8-729-119-79	TRANSISTOR	2SC2785-FEK					R178	1-249-421-11	CARBON	2.2K	5%		1/4W
Q809	8-729-119-79	TRANSISTOR	2SC2785-FEK					R179	1-249-417-11	CARBON	1K	5%		1/4W
Q810	8-729-900-63	TRANSISTOR	DTA124ES					R180	1-249-425-11	CARBON	4.7K	5%		1/4W
								R181	1-247-807-31	CARBON	100	5%		1/4W
Q811	8-729-140-82	TRANSISTOR	2SA988-PAFAEA					R182	1-249-437-11	CARBON	47K	5%		1/4W
Q812	8-729-900-36	TRANSISTOR	DTC124ES											
Q813	8-729-900-63	TRANSISTOR	DTA124ES					R183	1-247-887-00	CARBON	220K	5%		1/4W
Q823	8-729-119-79	TRANSISTOR	2SC2785-FEK					R184	1-247-887-00	CARBON	220K	5%		1/4W
Q824	8-729-119-78	TRANSISTOR	2SC2785-HFE					△ R315	1-249-393-11	CARBON	10	5%		1/4W
								R336	1-249-429-11	CARBON	10K	5%		1/4W
Q825	8-729-119-79	TRANSISTOR	2SC2785-FEK					R337	1-249-425-11	CARBON	4.7K	5%		1/4W
Q826	8-729-119-79	TRANSISTOR	2SC2785-FEK											
		< RESISTOR >						R401	1-249-427-11	CARBON	6.8K	5%		1/4W
								R402	1-249-417-11	CARBON	1K	5%		1/4W
								R403	1-249-441-11	CARBON	100K	5%		1/4W
R101	1-249-417-11	CARBON	1K	5%		1/4W		R404	1-249-417-11	CARBON	1K	5%		1/4W
R102	1-249-417-11	CARBON	1K	5%		1/4W		R407	1-249-433-11	CARBON	22K	5%		1/4W
R103	1-249-417-11	CARBON	1K	5%		1/4W								
R104	1-249-417-11	CARBON	1K	5%		1/4W		R408	1-249-417-11	CARBON	1K	5%		1/4W
R105	1-249-417-11	CARBON	1K	5%		1/4W		R409	1-249-439-11	CARBON	68K	5%		1/4W
								R410	1-249-422-11	CARBON	2.7K	5%		1/4W
R106	1-249-417-11	CARBON	1K	5%		1/4W		R411	1-249-439-11	CARBON	68K	5%		1/4W
R113	1-249-417-11	CARBON	1K	5%		1/4W		△ R412	1-249-405-11	CARBON	100	5%		1/4W
R114	1-249-417-11	CARBON	1K	5%		1/4W								
R116	1-249-441-11	CARBON	100K	5%		1/4W		△ R413	1-249-405-11	CARBON	100	5%		1/4W
R117	1-249-440-11	CARBON	82K	5%		1/4W		△ R414	1-233-352-41	ENCAPSULATED COMPONENT	0.22	5W		1/4W
								△ R417	1-249-393-11	CARBON	10	5%		1/4W
R118	1-249-408-11	CARBON	180	5%		1/4W		△ R423	1-249-393-11	CARBON	10	5%		1/4W
R119	1-249-428-11	CARBON	8.2K	5%		1/4W		R451	1-249-427-11	CARBON	6.8K	5%		1/4W
R120	1-249-441-11	CARBON	100K	5%		1/4W								
R121	1-247-807-31	CARBON	100	5%		1/4W		R452	1-249-417-11	CARBON	1K	5%		1/4W
R122	1-249-413-11	CARBON	470	5%		1/4W		R453	1-249-441-11	CARBON	100K	5%		1/4W
								R458	1-249-417-11	CARBON	1K	5%		1/4W
R123	1-249-441-11	CARBON	100K	5%		1/4W		R459	1-249-439-11	CARBON	68K	5%		1/4W

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MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R460	1-249-422-11	CARBON	2.7K	5%	1/4W	△ R667	1-249-393-11	CARBON	10	5%	1/4W F
R461	1-249-439-11	CARBON	68K	5%	1/4W	△ R673	1-249-393-11	CARBON	10	5%	1/4W F
△ R462	1-249-405-11	CARBON	100	5%	1/4W F	R701	1-249-427-11	CARBON	6.8K	5%	1/4W
△ R463	1-249-405-11	CARBON	100	5%	1/4W F	R702	1-249-417-11	CARBON	1K	5%	1/4W
△ R464	1-233-352-41	ENCAPSULATED COMPONENT	0.22	5W	F	R703	1-249-441-11	CARBON	100K	5%	1/4W
△ R467	1-249-393-11	CARBON	10	5%	1/4W F	R704	1-249-417-11	CARBON	1K	5%	1/4W
△ R473	1-249-393-11	CARBON	10	5%	1/4W F	R808	1-249-433-11	CARBON	22K	5%	1/4W
R501	1-249-427-11	CARBON	6.8K	5%	1/4W	△ R809	1-215-889-11	METAL OXIDE	330	5%	2W F (US)
R502	1-249-417-11	CARBON	1K	5%	1/4W	△ R809	1-216-454-11	METAL OXIDE	390	5%	2W F (Canadian)
R503	1-249-441-11	CARBON	100K	5%	1/4W	△ R810	1-249-381-11	CARBON	1	5%	1/4W F
R504	1-249-417-11	CARBON	1K	5%	1/4W	△ R811	1-249-381-11	CARBON	1	5%	1/4W F
R507	1-249-433-11	CARBON	22K	5%	1/4W	R812	1-249-425-11	CARBON	4.7K	5%	1/4W
R508	1-249-417-11	CARBON	1K	5%	1/4W	R813	1-249-425-11	CARBON	4.7K	5%	1/4W
R509	1-249-439-11	CARBON	68K	5%	1/4W	R814	1-249-425-11	CARBON	4.7K	5%	1/4W
R510	1-249-422-11	CARBON	2.7K	5%	1/4W	R815	1-249-429-11	CARBON	10K	5%	1/4W
R511	1-249-439-11	CARBON	68K	5%	1/4W	R816	1-249-429-11	CARBON	10K	5%	1/4W
△ R512	1-249-405-11	CARBON	100	5%	1/4W F	R817	1-249-429-11	CARBON	10K	5%	1/4W
△ R513	1-249-405-11	CARBON	100	5%	1/4W F	R818	1-249-429-11	CARBON	10K	5%	1/4W
△ R514	1-233-352-41	ENCAPSULATED COMPONENT	0.22	5W	F	R819	1-249-429-11	CARBON	10K	5%	1/4W
△ R517	1-249-393-11	CARBON	10	5%	1/4W F	△ R820	1-249-393-11	CARBON	10	5%	1/4W F
△ R523	1-249-393-11	CARBON	10	5%	1/4W F	△ R822	1-249-393-11	CARBON	10	5%	1/4W F
R551	1-249-427-11	CARBON	6.8K	5%	1/4W	△ R824	1-215-867-00	METAL OXIDE	470	5%	1W F
R552	1-249-417-11	CARBON	1K	5%	1/4W	△ R825	1-215-867-00	METAL OXIDE	470	5%	1W F
R553	1-249-441-11	CARBON	100K	5%	1/4W	R826	1-247-903-00	CARBON	1M	5%	1/4W
R558	1-249-417-11	CARBON	1K	5%	1/4W	R833	1-247-903-00	CARBON	1M	5%	1/4W
R559	1-249-439-11	CARBON	68K	5%	1/4W	R835	1-249-441-11	CARBON	100K	5%	1/4W
R560	1-249-422-11	CARBON	2.7K	5%	1/4W	△ R841	1-249-399-11	CARBON	33	5%	1/4W F
R561	1-249-439-11	CARBON	68K	5%	1/4W	△ R846	1-249-399-11	CARBON	33	5%	1/4W F
△ R562	1-249-405-11	CARBON	100	5%	1/4W F	R847	1-249-425-11	CARBON	4.7K	5%	1/4W
△ R563	1-249-405-11	CARBON	100	5%	1/4W F	R848	1-249-429-11	CARBON	10K	5%	1/4W
△ R564	1-233-352-41	ENCAPSULATED COMPONENT	0.22	5W	F	△ R849	1-249-393-11	CARBON	10	5%	1/4W F
△ R567	1-249-393-11	CARBON	10	5%	1/4W F	R850	1-249-417-11	CARBON	1K	5%	1/4W
△ R573	1-249-393-11	CARBON	10	5%	1/4W F	R851	1-249-425-11	CARBON	4.7K	5%	1/4W
R601	1-249-427-11	CARBON	6.8K	5%	1/4W	R852	1-249-425-11	CARBON	4.7K	5%	1/4W
R602	1-249-417-11	CARBON	1K	5%	1/4W	R853	1-249-429-11	CARBON	10K	5%	1/4W
R603	1-249-441-11	CARBON	100K	5%	1/4W	△ R854	1-249-393-11	CARBON	10	5%	1/4W F
R604	1-249-417-11	CARBON	1K	5%	1/4W	R855	1-249-429-11	CARBON	10K	5%	1/4W
R607	1-249-433-11	CARBON	22K	5%	1/4W	R856	1-249-429-11	CARBON	10K	5%	1/4W
R608	1-249-417-11	CARBON	1K	5%	1/4W	R859	1-249-421-11	CARBON	2.2K	5%	1/4W
R609	1-249-439-11	CARBON	68K	5%	1/4W	R860	1-249-429-11	CARBON	10K	5%	1/4W
R610	1-249-422-11	CARBON	2.7K	5%	1/4W	R864	1-249-437-11	CARBON	47K	5%	1/4W
R611	1-249-439-11	CARBON	68K	5%	1/4W	< RELAY >					
△ R612	1-249-405-11	CARBON	100	5%	1/4W F	RY301	1-515-793-11	RELAY			
△ R613	1-249-405-11	CARBON	100	5%	1/4W F	RY801	1-515-920-11	RELAY (24V)			
△ R614	1-233-352-41	ENCAPSULATED COMPONENT	0.22	5W	F	RY803	1-515-920-11	RELAY (24V)			
△ R617	1-249-393-11	CARBON	10	5%	1/4W F	RY806	1-515-793-11	RELAY			
△ R623	1-249-393-11	CARBON	10	5%	1/4W F	RY807	1-515-793-11	RELAY			
R651	1-249-427-11	CARBON	6.8K	5%	1/4W	< TERMINAL >					
R652	1-249-417-11	CARBON	1K	5%	1/4W	TM501	1-694-837-11	TERMINAL BOARD (SP) (SURROUND/ CENTER/SURROUND BACK SPEAKERS)			
R653	1-249-441-11	CARBON	100K	5%	1/4W	*****					
R658	1-249-417-11	CARBON	1K	5%	1/4W						
R659	1-249-439-11	CARBON	68K	5%	1/4W						
R660	1-249-422-11	CARBON	2.7K	5%	1/4W						
R661	1-249-439-11	CARBON	68K	5%	1/4W						
△ R662	1-249-405-11	CARBON	100	5%	1/4W F						
△ R663	1-249-405-11	CARBON	100	5%	1/4W F						
△ R664	1-233-352-41	ENCAPSULATED COMPONENT	0.22	5W	F						

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STR-DE1075

POWER	S-VIDEO	SP
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Ref. No.	Part No.	Description	Remark			
	1-681-109-11	POWER BOARD	*****			
		< CONNECTOR >				
* CN1701	1-691-670-11	CONNECTOR, BOARD TO BOARD 5P				
		< RESISTOR >				
R1702	1-249-429-11	CARBON	10K	5%	1/4W	
R1703	1-249-433-11	CARBON	22K	5%	1/4W	
R1704	1-249-437-11	CARBON	47K	5%	1/4W	
R1706	1-249-433-11	CARBON	22K	5%	1/4W	
		< SWITCH >				
S1701	1-786-151-21	SWITCH, ROTARY (SPEAKERS)				
S1702	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)				
S1703	1-762-875-21	SWITCH, KEYBOARD (ON SCREEN)				
S1704	1-762-875-21	SWITCH, KEYBOARD (DIMMER)				
S1705	1-762-875-21	SWITCH, KEYBOARD (I/⏻)				

	A-4476-458-A	S-VIDEO BOARD, COMPLETE	*****			
		< CAPACITOR >				
C752	1-128-805-11	CERAMIC	47PF	5%	50V	
C753	1-128-805-11	CERAMIC	47PF	5%	50V	
C754	1-128-825-11	CERAMIC	2200PF	5%	50V	
C755	1-136-165-00	MYLAR	0.1uF	5%	50V	
C756	1-136-165-00	MYLAR	0.1uF	5%	50V	
C757	1-136-165-00	MYLAR	0.1uF	5%	50V	
C758	1-126-964-11	ELECT	10uF	20%	50V	
C759	1-126-964-11	ELECT	10uF	20%	50V	
C760	1-126-964-11	ELECT	10uF	20%	50V	
C761	1-128-825-11	CERAMIC	2200PF	5%	50V	
C762	1-128-825-11	CERAMIC	2200PF	5%	50V	
C763	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C764	1-136-165-00	MYLAR	0.1uF	5%	50V	
C765	1-128-817-11	CERAMIC	470PF	5%	50V	
C766	1-104-660-11	ELECT	47uF	20%	16V	
C767	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C768	1-128-817-11	CERAMIC	470PF	5%	50V	
C769	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C770	1-126-964-11	ELECT	10uF	20%	50V	
C772	1-127-888-11	CERAMIC	0.1uF	10%	50V	
		< CONNECTOR >				
CN751	1-784-040-41	CONNECTOR, BOARD TO BOARD 19P				
CN753	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P				
		< DIODE >				
D750	8-719-911-19	DIODE 1SS199-25				
D751	8-719-911-19	DIODE 1SS199-25				
		< IC >				
IC750	8-759-529-20	IC NJM2296D				
IC751	8-759-666-33	IC NJM2145D				
IC752	8-759-529-20	IC NJM2296D				

Ref. No.	Part No.	Description	Remark			
		< JACK >				
J750	1-764-676-11	CONNECTOR (ROUND TYPE) (TV/SAT S-VIDEO, DVD/LD S-VIDEO)				
J751	1-537-943-11	CONNECTOR (DIN) 1P (MONITOR S-VIDEO)				
J752	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 1 S-VIDEO IN/OUT)				
J753	1-563-330-11	JACK (MONITOR CTRL S IN)				
J754	1-563-330-11	JACK (TV/SAT CTRL S STATUS IN)				
J755	1-563-330-11	JACK (DVD/LD CTRL S OUT)				
J756	1-563-330-11	JACK (VIDEO 1 CTRL S OUT)				
		< TRANSISTOR >				
Q750	8-729-900-80	TRANSISTOR DTC124ES				
Q751	8-729-422-57	TRANSISTOR UN4111				
Q752	8-729-422-57	TRANSISTOR UN4111				
Q753	8-729-900-80	TRANSISTOR DTC124ES				
		< RESISTOR >				
R750	1-249-417-11	CARBON	1K	5%	1/4W	
R751	1-249-417-11	CARBON	1K	5%	1/4W	
R752	1-249-417-11	CARBON	1K	5%	1/4W	
R753	1-249-417-11	CARBON	1K	5%	1/4W	
R754	1-247-804-11	CARBON	75	5%	1/4W	
R755	1-247-804-11	CARBON	75	5%	1/4W	
R756	1-247-804-11	CARBON	75	5%	1/4W	
R757	1-247-804-11	CARBON	75	5%	1/4W	
R758	1-247-804-11	CARBON	75	5%	1/4W	
R759	1-247-804-11	CARBON	75	5%	1/4W	
R760	1-247-804-11	CARBON	75	5%	1/4W	
R761	1-247-804-11	CARBON	75	5%	1/4W	
R762	1-247-804-11	CARBON	75	5%	1/4W	
R763	1-247-804-11	CARBON	75	5%	1/4W	
R764	1-249-427-11	CARBON	6.8K	5%	1/4W	
R765	1-249-429-11	CARBON	10K	5%	1/4W	
R766	1-249-427-11	CARBON	6.8K	5%	1/4W	
R767	1-249-429-11	CARBON	10K	5%	1/4W	
R768	1-249-427-11	CARBON	6.8K	5%	1/4W	
R769	1-249-429-11	CARBON	10K	5%	1/4W	
R770	1-247-804-11	CARBON	75	5%	1/4W	
R771	1-247-804-11	CARBON	75	5%	1/4W	
R772	1-247-807-31	CARBON	100	5%	1/4W	
R773	1-249-429-11	CARBON	10K	5%	1/4W	
R774	1-247-807-31	CARBON	100	5%	1/4W	

	1-681-113-11	SP BOARD	*****			
		< CAPACITOR >				
C421	1-128-809-11	CERAMIC	100PF	5%	50V	
C436	1-128-809-11	CERAMIC	100PF	5%	50V	
C471	1-128-809-11	CERAMIC	100PF	5%	50V	
		< JACK >				
J701	1-793-777-12	JACK, PIN 2P (AUDIO OUT SUB WOOFER)				
		< RESISTOR >				
R733	1-249-417-11	CARBON	1K	5%	1/4W	

SP

VIDEO

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
△ R821	1-249-393-11	CARBON	10	5%	1/4W F	C374	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< RELAY >									
RY802	1-515-920-11	RELAY (24V)				C375	1-126-964-11	ELECT	10uF	20%	50V
		< TERMINAL >				C377	1-127-888-11	CERAMIC	0.1uF	10%	50V
TM502	1-694-482-11	TERMINAL BOARD (FRONT SPEAKERS)				C378	1-127-888-11	CERAMIC	0.1uF	10%	50V

A-4476-457-A		VIDEO BOARD, COMPLETE						< CONNECTOR >			

		< CAPACITOR >				CN301	1-784-039-21	CONNECTOR, BOARD TO BOARD 19P			
C314	1-126-935-11	ELECT	470uF	20%	10V	CN302	1-564-505-11	PLUG, CONNECTOR 2P			
C315	1-126-935-11	ELECT	470uF	20%	10V	CN303	1-568-838-11	CONNECTOR, FFC 21P			
C318	1-126-960-11	ELECT	1uF	20%	50V	* CN306	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
C319	1-127-888-11	CERAMIC	0.1uF	10%	50V			< TRIMMER >			
C322	1-162-199-31	CERAMIC	10PF	5%	50V	CT302	1-141-442-11	CAP, CERAMIC TRIMMER 20PF			
						CT303	1-141-442-11	CAP, CERAMIC TRIMMER 20PF			
C323	1-128-802-11	CERAMIC	27PF	5%	50V			< DIODE >			
C324	1-127-888-11	CERAMIC	0.1uF	10%	50V	D301	8-719-911-19	DIODE 1SS199-25			
C325	1-128-803-11	CERAMIC	33PF	5%	50V	D303	8-719-911-19	DIODE 1SS199-25			
C326	1-162-205-31	CERAMIC	18PF	5%	50V	D304	8-719-911-19	DIODE 1SS199-25			
C328	1-127-888-11	CERAMIC	0.1uF	10%	50V			< FERRITE BEAD/NOISE FILTER >			
						FB303	1-412-911-11	FERRITE 0uH			
C329	1-128-809-11	CERAMIC	100PF	5%	50V	FL302	1-424-543-11	FERRITE 0uH			
C330	1-126-964-11	ELECT	10uF	20%	50V	FL304	1-416-300-21	FILTER, NOISE			
C331	1-126-964-11	ELECT	10uF	20%	50V	FL305	1-416-300-21	FILTER, NOISE			
C333	1-127-888-11	CERAMIC	0.1uF	10%	50V			< IC >			
C335	1-128-805-11	CERAMIC	47PF	5%	50V	IC304	8-759-917-18	IC SN74HCU04AN			
						IC305	8-759-666-34	IC BA7622			
C336	1-128-805-11	CERAMIC	47PF	5%	50V	IC307	6-700-367-01	IC MB90089F-G-238-BND			
C337	1-128-805-11	CERAMIC	47PF	5%	50V	IC308	8-759-529-20	IC NJM2296D			
C339	1-127-888-11	CERAMIC	0.1uF	10%	50V	IC310	8-759-036-90	IC MC74ACT08N			
C340	1-126-927-11	ELECT	2200uF	20%	10V						
C341	1-127-888-11	CERAMIC	0.1uF	10%	50V	IC312	8-759-036-90	IC MC74ACT08N			
								< JACK >			
C342	1-128-805-11	CERAMIC	47PF	5%	50V	J302	1-794-970-11	JACK, PIN 1P (MONITOR OUT VIDEO)			
C343	1-128-805-11	CERAMIC	47PF	5%	50V	J303	1-563-330-11	JACK (CONTO A1 II)			
C344	1-128-805-11	CERAMIC	47PF	5%	50V	J304	1-794-978-11	JACK, PIN 3P			
C345	1-128-805-11	CERAMIC	47PF	5%	50V			(VIDEO 2 IN VIDEO, VIDEO 1 IN/OUT VIDEO)			
C346	1-126-964-11	ELECT	10uF	20%	50V	J305	1-794-978-11	JACK, PIN 3P (TV/SAT IN VIDEO, DVD/LD IN VIDEO, VIDEO 2 OUT VIDEO)			
C347	1-126-964-11	ELECT	10uF	20%	50V			< COIL >			
C348	1-126-964-11	ELECT	10uF	20%	50V	L301	1-410-973-11	INDUCTOR 22uH			
C349	1-126-964-11	ELECT	10uF	20%	50V			< TRANSISTOR >			
C350	1-127-888-11	CERAMIC	0.1uF	10%	50V	Q304	8-729-119-79	TRANSISTOR 2SC2785-FEK			
C351	1-127-868-11	CERAMIC	2200PF	10%	50V	Q305	8-729-119-79	TRANSISTOR 2SC2785-FEK			
C352	1-127-868-11	CERAMIC	2200PF	10%	50V			< RESISTOR >			
C353	1-127-868-11	CERAMIC	2200PF	10%	50V	R320	1-249-417-11	CARBON 1K 5% 1/4W			
C354	1-127-888-11	CERAMIC	0.1uF	10%	50V	R321	1-249-417-11	CARBON 1K 5% 1/4W			
C355	1-126-964-11	ELECT	10uF	20%	50V	R322	1-249-417-11	CARBON 1K 5% 1/4W			
C358	1-127-888-11	CERAMIC	0.1uF	10%	50V	R324	1-247-903-00	CARBON 1M 5% 1/4W			
						R327	1-249-411-11	CARBON 330 5% 1/4W			
C360	1-127-888-11	CERAMIC	0.1uF	10%	50V						
C362	1-126-964-11	ELECT	10uF	20%	50V	R328	1-247-807-31	CARBON 100 5% 1/4W			
C363	1-126-964-11	ELECT	10uF	20%	50V	R329	1-249-393-11	CARBON 10 5% 1/4W			
C364	1-127-888-11	CERAMIC	0.1uF	10%	50V						
C365	1-127-888-11	CERAMIC	0.1uF	10%	50V						
C366	1-126-964-11	ELECT	10uF	20%	50V						
C367	1-127-888-11	CERAMIC	0.1uF	10%	50V						
C369	1-128-805-11	CERAMIC	47PF	5%	50V						
C373	1-127-888-11	CERAMIC	0.1uF	10%	50V						

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VIDEO

VIDEO 3

VIDEO AU

VOL

Ref. No.	Part No.	Description	Remark		
R330	1-249-393-11	CARBON	10	5%	1/4W
R331	1-249-417-11	CARBON	1K	5%	1/4W
R333	1-249-425-11	CARBON	4.7K	5%	1/4W
R334	1-247-807-31	CARBON	100	5%	1/4W
R338	1-247-804-11	CARBON	75	5%	1/4W
R339	1-247-804-11	CARBON	75	5%	1/4W
R340	1-247-804-11	CARBON	75	5%	1/4W
R341	1-247-804-11	CARBON	75	5%	1/4W
R342	1-247-804-11	CARBON	75	5%	1/4W
R343	1-249-437-11	CARBON	47K	5%	1/4W
R344	1-247-804-11	CARBON	75	5%	1/4W
R345	1-249-437-11	CARBON	47K	5%	1/4W
R346	1-247-804-11	CARBON	75	5%	1/4W
R347	1-249-424-11	CARBON	3.9K	5%	1/4W
R348	1-249-437-11	CARBON	47K	5%	1/4W
R349	1-249-418-11	CARBON	1.2K	5%	1/4W
R350	1-249-437-11	CARBON	47K	5%	1/4W
R351	1-247-804-11	CARBON	75	5%	1/4W
< VIBRATOR >					
X302	1-781-821-21	VIBRATOR, CRYSTAL (14MHz)			

	1-681-112-11	VIDEO 3 BOARD			

< CAPACITOR >					
C294	1-128-825-11	CERAMIC	2200PF	5%	50V
C295	1-128-825-11	CERAMIC	2200PF	5%	50V
< CONNECTOR >					
CN299	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
< JACK >					
J299	1-815-431-11	JACK, PIN 3P (VIDEO 3 INPUT AUDIO/VIDEO)			
< RESISTOR >					
R298	1-249-417-11	CARBON	1K	5%	1/4W
R299	1-249-417-11	CARBON	1K	5%	1/4W

	1-681-096-11	VIDEO AU BOARD			

< CAPACITOR >					
C201	1-127-868-11	CERAMIC	2200PF	10%	50V
C202	1-127-868-11	CERAMIC	2200PF	10%	50V
C211	1-127-868-11	CERAMIC	2200PF	10%	50V
C212	1-127-868-11	CERAMIC	2200PF	10%	50V
C213	1-128-809-11	CERAMIC	100PF	5%	50V
< CONNECTOR >					
CN201	1-568-441-11	SOCKET, CONNECTOR 9P			
* CN202	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
< IC >					
IC201	8-759-582-65	IC TC9273N-014			

Ref. No.	Part No.	Description	Remark		
< JACK >					
J201	1-774-411-11	JACK, PIN 6P (TV/SAT AUDIO IN, DVD/LD AUDIO IN, VIDEO 2 AUDIO OUT)			
J202	1-774-411-11	JACK, PIN 6P (VIDEO 2 AUDIO IN, VIDEO 1 AUDIO IN/OUT)			
< RESISTOR >					
R201	1-249-417-11	CARBON	1K	5%	1/4W
R202	1-249-417-11	CARBON	1K	5%	1/4W
R203	1-249-421-11	CARBON	2.2K	5%	1/4W
R204	1-249-417-11	CARBON	1K	5%	1/4W
R205	1-249-421-11	CARBON	2.2K	5%	1/4W
R206	1-249-417-11	CARBON	1K	5%	1/4W
R211	1-249-417-11	CARBON	1K	5%	1/4W
R251	1-249-417-11	CARBON	1K	5%	1/4W
R252	1-249-417-11	CARBON	1K	5%	1/4W
R253	1-249-421-11	CARBON	2.2K	5%	1/4W
R254	1-249-417-11	CARBON	1K	5%	1/4W
R255	1-249-421-11	CARBON	2.2K	5%	1/4W
R256	1-249-417-11	CARBON	1K	5%	1/4W

1-681-108-11 VOL BOARD					

< CONNECTOR >					
CN1801	1-568-668-11	CONNECTOR, BOARD TO BOARD 6P			
< RESISTOR >					
R1801	1-249-421-11	CARBON	2.2K	5%	1/4W
< VARIABLE RESISTOR >					
RV1801	1-476-590-11	ENCODER, ROTARY (FUNCTION)			
RV1802	1-418-773-11	ENCODER, ROTARY (MASTER VOLUME)			
< SWITCH >					
S1801	1-762-875-21	SWITCH, KEYBOARD (2ND ROOM)			

MISCELLANEOUS					

102	1-773-105-11	WIRE (FLAT TYPE) (19 CORE)			
104	1-769-904-11	WIRE (FLAT TYPE) (9 CORE)			
109	1-693-539-21	TUNER			
152	1-773-301-11	WIRE (FLAT TYPE) (29 CORE)			
153	1-773-143-11	WIRE (FLAT TYPE) (21 CORE)			
154	1-773-001-11	WIRE (FLAT TYPE) (15 CORE)			
△ 160	1-769-743-11	CORD, POWER (Canadian)			
△ 160	1-783-820-11	CORD, POWER (US)			
△ T901	1-437-325-11	TRANSFORMER, POWER			

ACCESSORIES					

1-476-607-11	REMOTE COMMANDER (RM-PP505L)				
1-501-374-11	ANTENNA, LOOP (AM)				
1-777-172-11	CORD, CONNECTION (CONTROL S CONNECTING CABLE)				

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<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	1-777-560-11	CORD, CONNECTION (AUDIO/VIDEO/CONTROL S CONNECTING CABLE)	
	1-793-184-21	CONNECTOR (F TYPE ADAPTOR)	
	4-235-988-11	MANUAL, INSTRUCTION (ENGLISH)	
	4-235-988-21	MANUAL, INSTRUCTION (FRENCH) (Canadian)	
	4-983-536-01	LID, BATTERY CASE (for RM-PP505L)	

REVISION HISTORY

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