

SB-V55A

SERVICE MANUAL

US Model

Ver 1.0 2002. 01



SPECIFICATIONS

Input	4 Channels S Video, Video, Audio (L/R) $\times$ 3 Video, Audio (L/R) $\times$ 1
Output	S Video, Video, Audio (L/R) $\times$ 1
Dimensions	Approx. 7 $\frac{1}{4}$ $\times$ 2 $\frac{1}{4}$ $\times$ 5 $\frac{5}{8}$ inches (184 $\times$ 54 $\times$ 142 mm) (w/h/d)
Mass	Approx. 13 oz. (360 g)
Power	AC power adaptor 120 V AC 6 V DC
Optional accessories	AC power adaptor (1)

Design and specifications are subject to change without notice.

The "CE" printed on the unit is available only for the EU member nations.

AV SELECTOR

TABLE OF CONTENTS

1. GENERAL
Locating the parts and controls 3
Connections 3
Connecting the power source 3

2. DISASSEMBLY
2-1. Cover, Upper 4
2-2. Main Board 4

3. DIAGRAMS
3-1. IC Pin Description 5
3-2. Block Diagram –Main Section– 6
3-3. Printed Wiring Board –Main Section– 8
3-4. Schematic Diagram –Main Section– 10

4. EXPLODED VIEWS
4-1. Main Section 13

5. ELECTRICAL PARTS LIST 14

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-RELATED COMPONENT WARNING!!

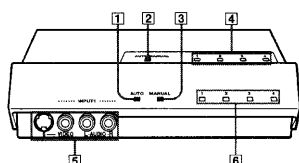
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

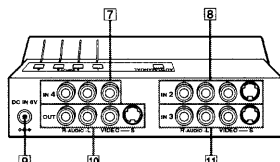
This section is extracted from instruction manual.

A

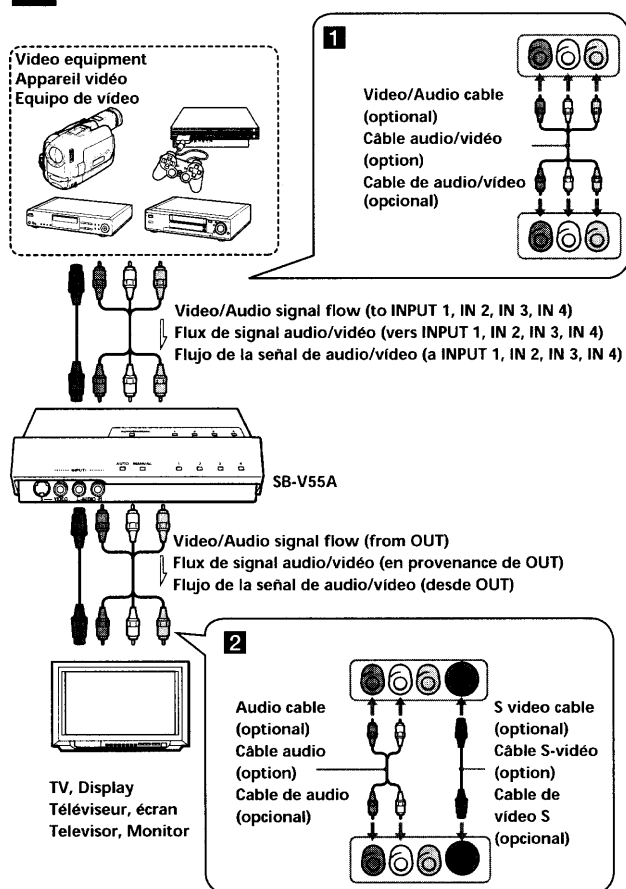
Front panel
Panneau avant
Panel frontal



Rear panel
Panneau arrière
Panel posterior



B



WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet.
Refer servicing to qualified personnel only.

Features

The Sony SB-V55A is an AV selector with automatic selecting functions. You can connect up to four video equipments to its input connectors and select input.

- Automatic selecting functions detect video input signals and select automatically.
- Automatic turn-off function turns off the power after about ten minutes of no video input signal (power saving mode). The power is turned on automatically when a video input signal is detected (only for the AUTO mode).
- The input signal allows you to select manually when the AUTO/MANUAL button is set to "MANUAL."

Locating the Parts and Controls (See fig. A)

Front panel

- 1 AUTO indicator (automatic mode)
- 2 AUTO/MANUAL button (selects automatic/manual)
- 3 MANUAL indicator (manual mode)
- 4 INPUT 1-4 buttons (selects input)
- 5 INPUT 1 connectors
- 6 INPUT 1-4 indicators

Rear panel

- 7 IN 4 connectors (input 4)
- 8 IN 2 connectors (input 2)
- 9 DC IN 6V jack
- 10 OUT connectors (output)
- 11 IN 3 connectors (input 3)

Connections (See fig. B)

1 Connecting the video equipment

Connect the video/audio output connector of the video equipment to the video/audio input connector of the unit (see fig. 1).

2 Connecting the TV and display

Connect the video/audio output connector of the unit to the video/audio input connector of the TV, etc, (see fig. 2).

Connecting the equipment with the S connector

Connect the audio connector of the equipment to the audio connector of the unit using the audio cable. Connect the S connectors of both the unit and the equipment using the S video cable.

Tip

Using the S video cable allows the unit to output using the video cable. And, using the video cable allows the unit to output using the S video cable (with Y/C separation circuit).

Connecting the Cables (options)

Video/Audio cable:
VMC-810S, VMC-820S, VMC-830S

S video cable:
YC-15V, YC-30V

Audio cable:
RK-C310, RK-C315, RK-C320

If you have any questions about this product, contact the store or purchase of a Sony dealer.

Connecting the power source (See fig. C)

Note

Do not use this unit with any adaptor other than the supplied AC power adaptor or the optional AC-E60A AC adaptor. Doing so could cause a malfunction.

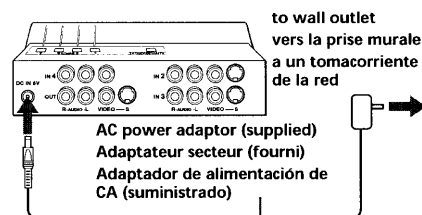


Polarity of the plug

C

Rear panel
Panneau arrière
Panel posterior

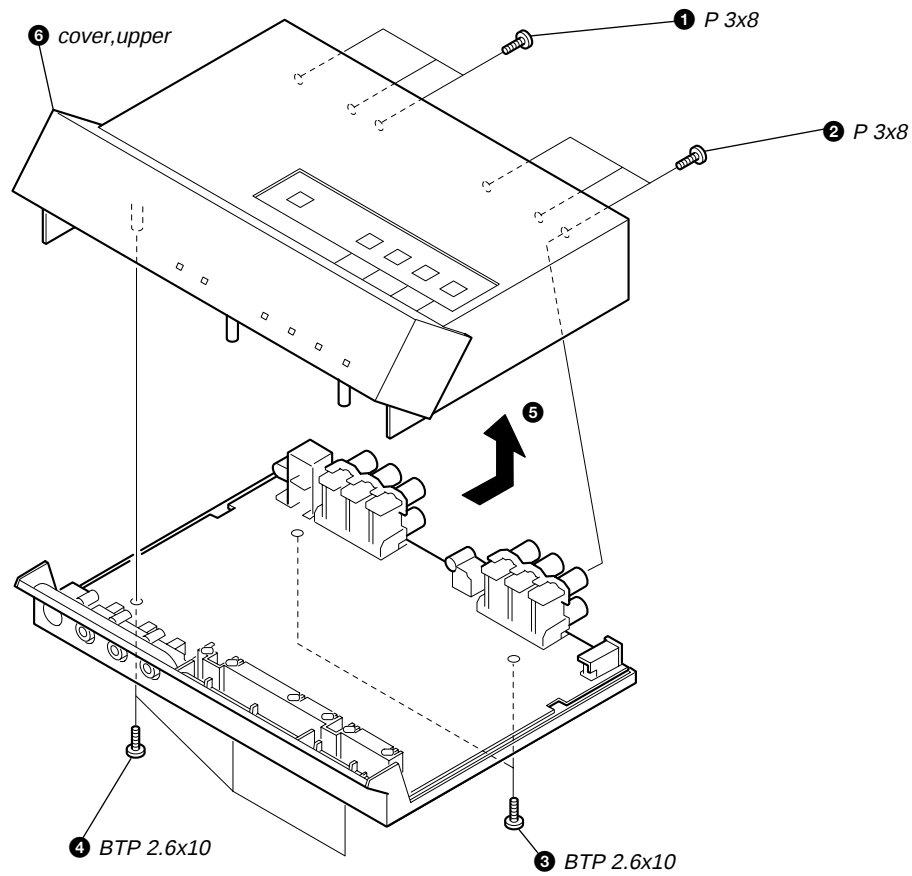
DC IN 6V connector
Connecteur d'entrée
CC 6 V (DC IN 6V)
Toma DC IN 6V



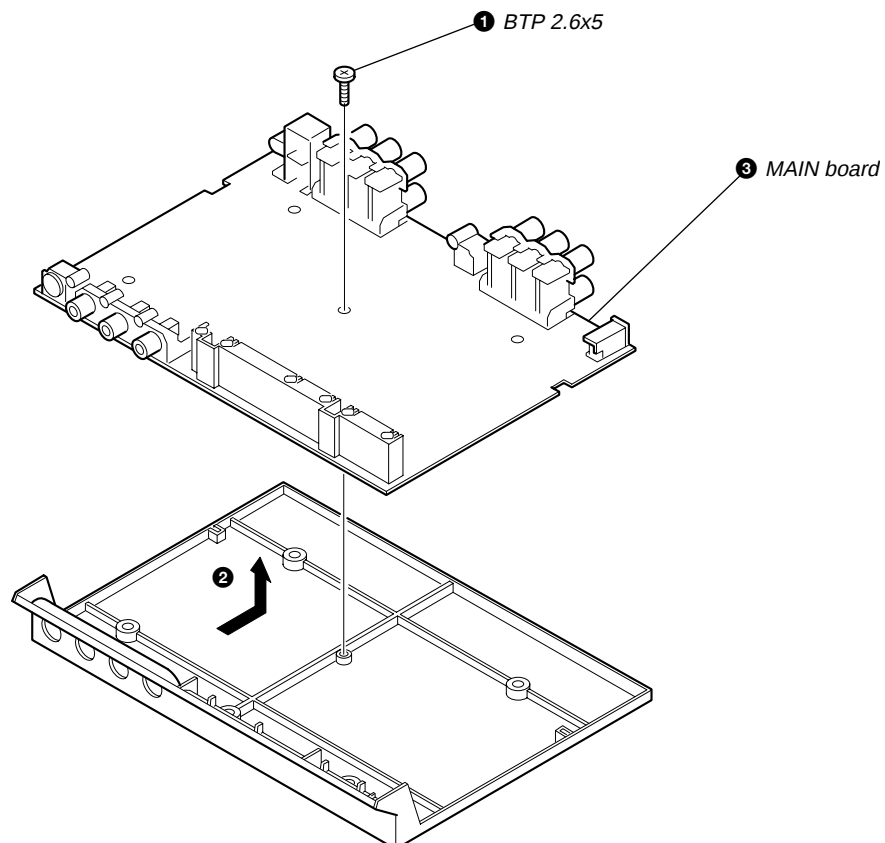
SECTION 2 DISASSEMBLY

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

2-1. COVER, UPPER



2-2. MAIN BOARD

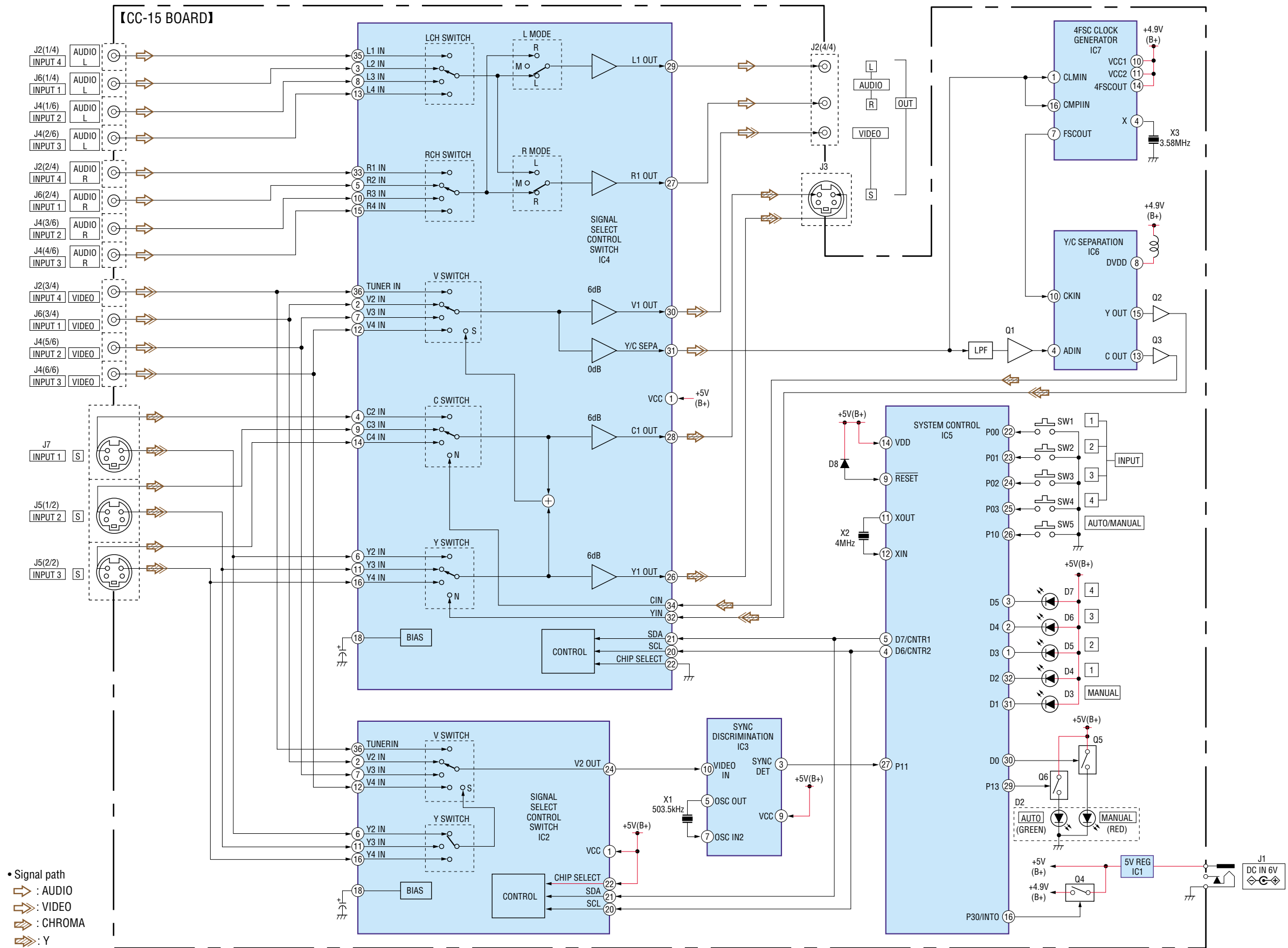


SECTION 3
DIAGRAMS

3-1. IC PIN DESCRIPTION
• IC5 M34513 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Pin Description
1	D3	O	Output port (LED (D5) light signal output in this set.)
2	D4	O	Output port (LED (D6) light signal output in this set.)
3	D5	O	Output port (LED (D7) light signal output in this set.)
4	D6/CNTR0	I/O	Clock signal input for event counter and two frequency division signal output of under flow
5	D7/CNTR1	I/O	Clock signal input for event counter and two frequency division signal output of under flow
6	P20/SCK	I/O	Serial clock signal input/output (Connect to ground in this set.)
7	P21/SOUT	O	Serial data signal output (Connect to ground in this set.)
8	P22/SIN	I	Serial data signal input (Connect to ground in this set.)
9	RESET	I	Reset signal input
10	CNVSS	—	Ground pin
11	XOUT	O	System clock signal output (4 MHz)
12	XIN	I	System clock signal input (4 MHz)
13	VSS	—	Ground pin
14	VDD	—	Power supply pin
15	VDCE	I	Voltage down detection signal input (“H”: operate, “L”: stop) (Connect to ground in this set.)
16	P30/INT0	I/O	Input/output port and interruption signal input
17	P31/INT1	I/O	Input/output port and interruption signal input (Not used in this set.)
18	AIN0/CMP0–	I	A-D convert analog signal input and voltage comparator signal input (Connect to ground in this set.)
19	AIN1/CMP0+	I	A-D convert analog signal input and voltage comparator signal input (Connect to ground in this set.)
20	AIN2/CMP1–	I	A-D convert analog signal input and voltage comparator signal input (Connect to ground in this set.)
21	AIN3/CMP1+	I	A-D convert analog signal input and voltage comparator signal input (Connect to ground in this set.)
22	P00	I	Input port (Signal input of SW1 in this set.)
23	P01	I	Input port (Signal input of SW2 in this set.)
24	P02	I	Input port (Signal input of SW3 in this set.)
25	P03	I	Input port (Signal input of SW4 in this set.)
26	P10	I	Input port (Signal input of SW5 in this set.)
27	P11	I	Input port (SYNC.DET signal input in this set.)
28	P12	I/O	Input/output port (Not used in this set.)
29	P13	O	Output port (LED drive selection signal output to Q6 in this set.)
30	D0	O	Output port (LED drive selection signal output to Q5 in this set.)
31	D1	O	Output port (LED (D3) light signal output in this set.)
32	D2	O	Output port (LED (D4) light signal output in this set.)

3-2. BLOCK DIAGRAM — MAIN SECTION —



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

for schematic diagram:

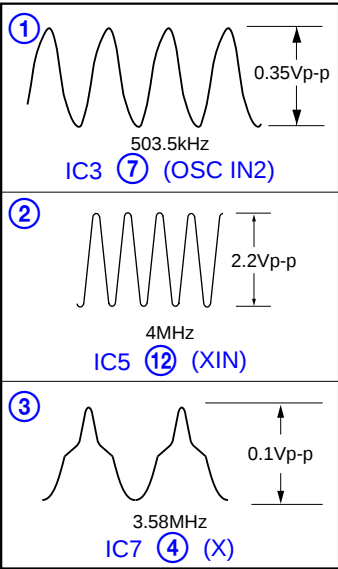
- All capacitors are in μF unless otherwise noted. pF: μF
- 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
- : panel designation.
- : B+ Line.
- Power voltage is dc 6V and fed with regulated dc power supply from external power voltage jack.
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 - : AUDIO
 - : VIDEO
 - : CHROMA
 - : Y

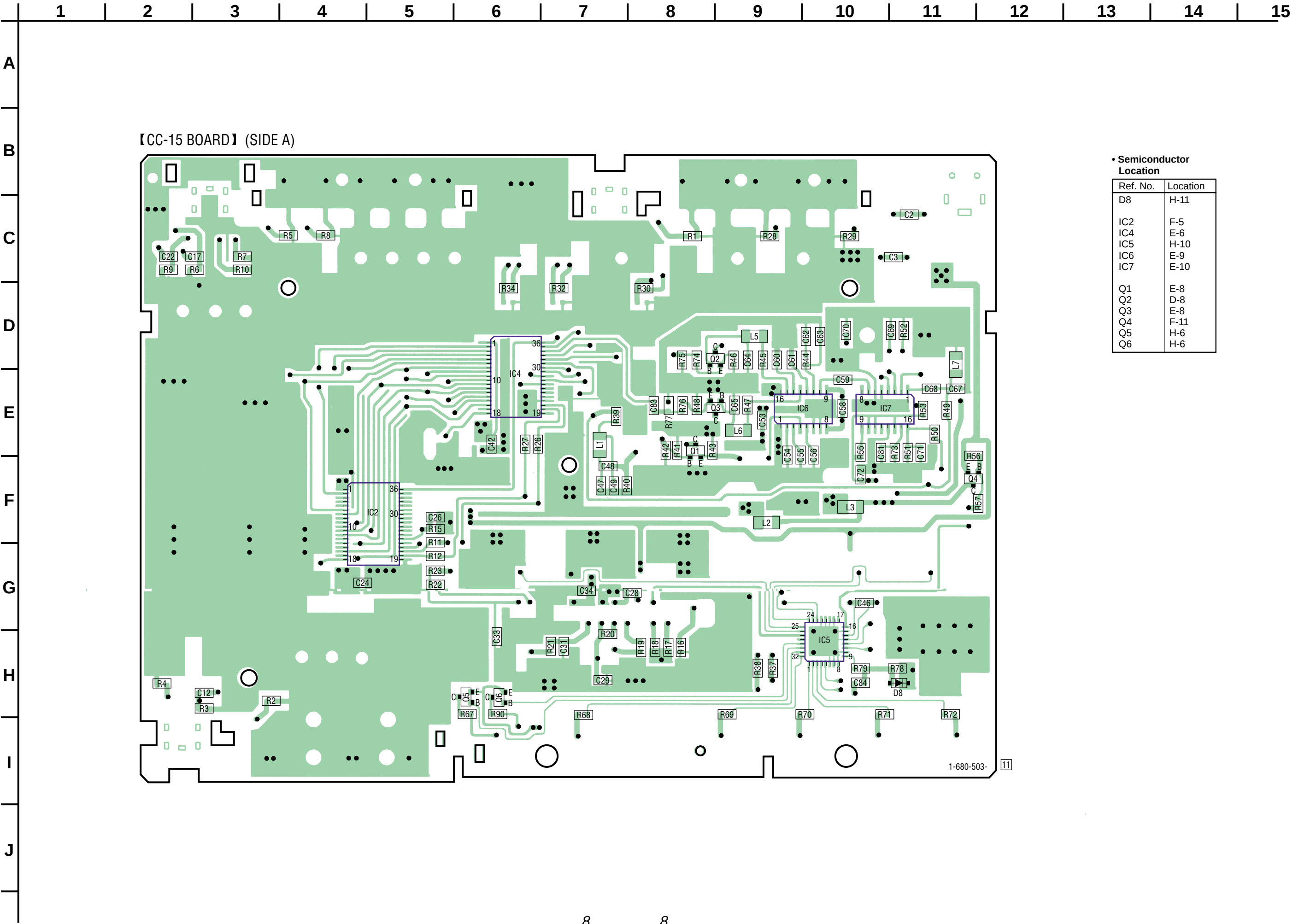
for printed wiring boards:

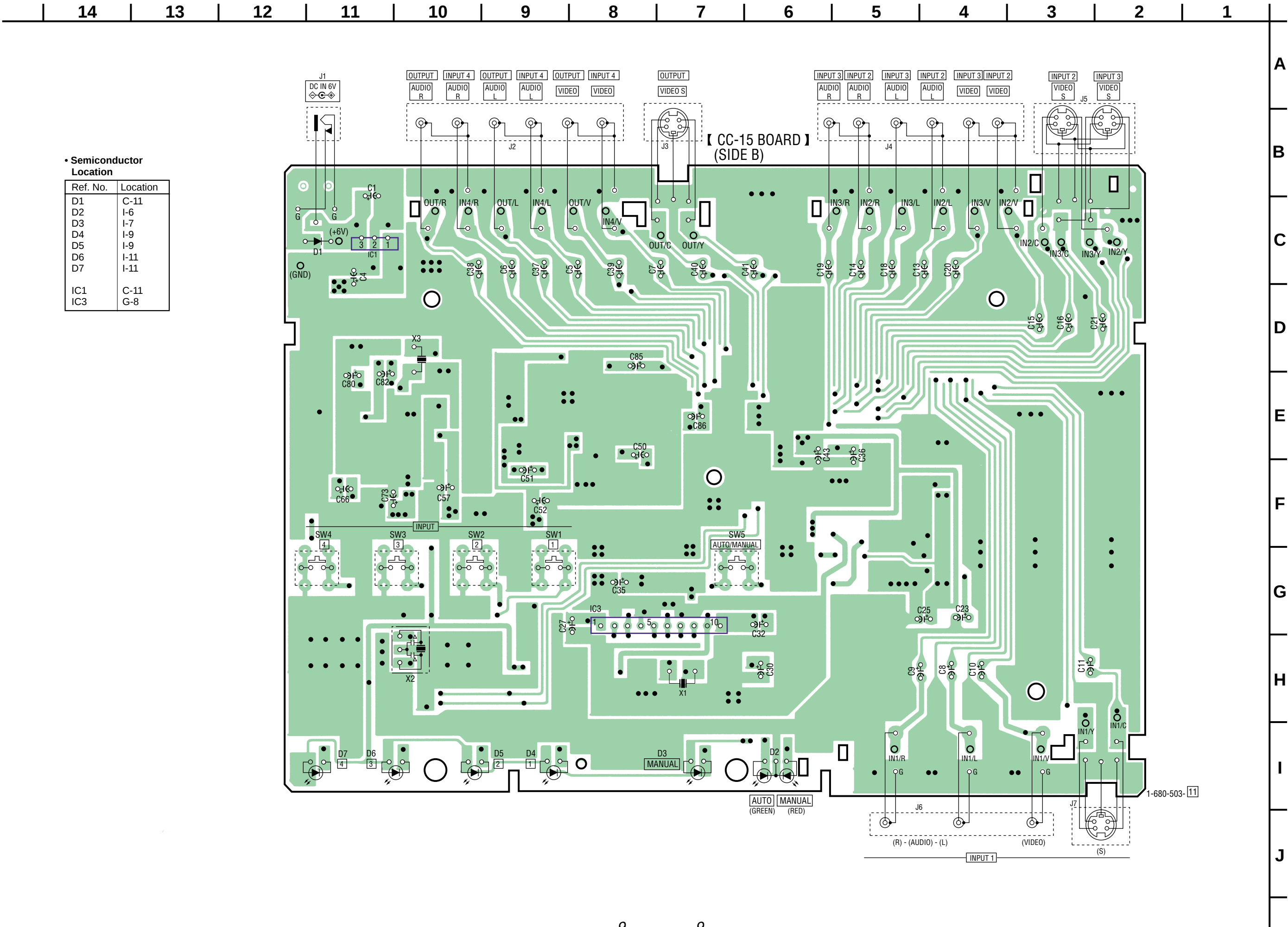
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Through hole.
- : Pattern from the side which enables seeing.
(The other layer's patterns are not indicated.)

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

• Waveforms





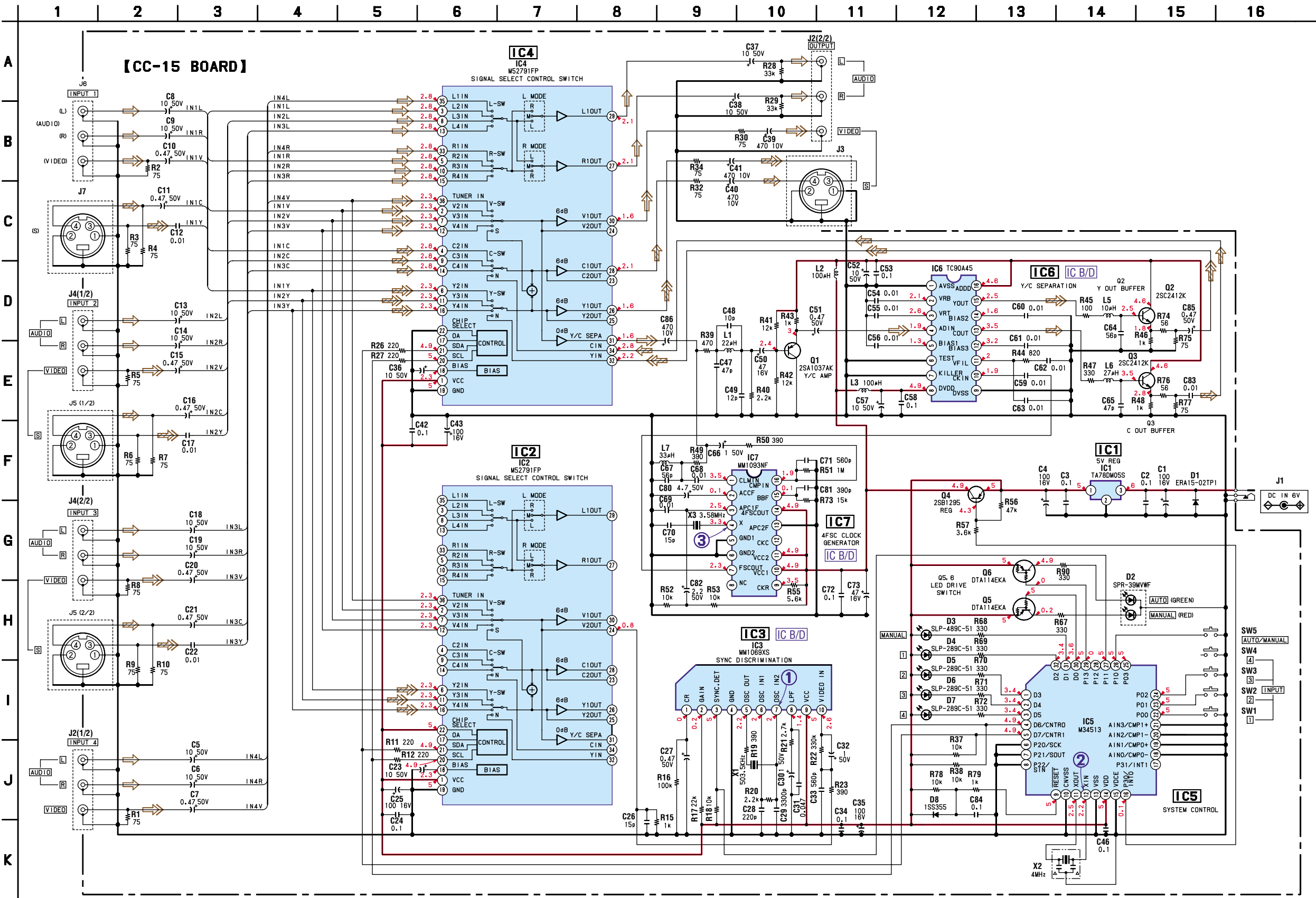


• Semiconductor Location

Ref. No.	Location
D1	C-11
D2	I-6
D3	I-7
D4	I-9
D5	I-9
D6	I-11
D7	I-11
IC1	C-11
IC3	G-8

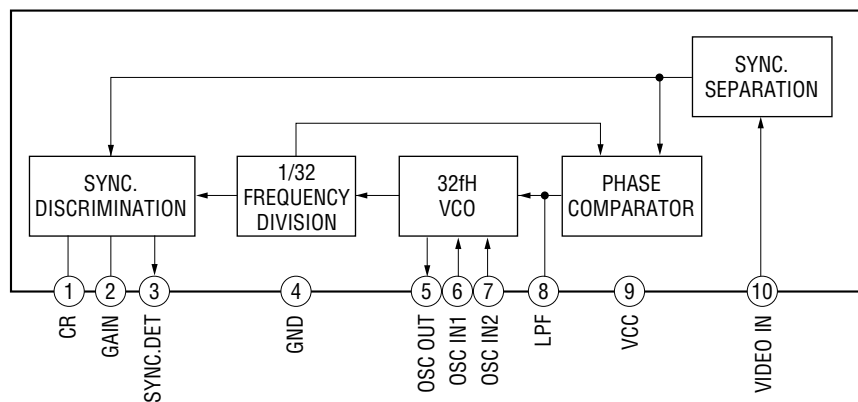
• Refer to page 7 for Note and Waveforms.

3-4. SCHEMATIC DIAGRAM — MAIN SECTION — • Refer to page 11 for IC Block Diagrams.

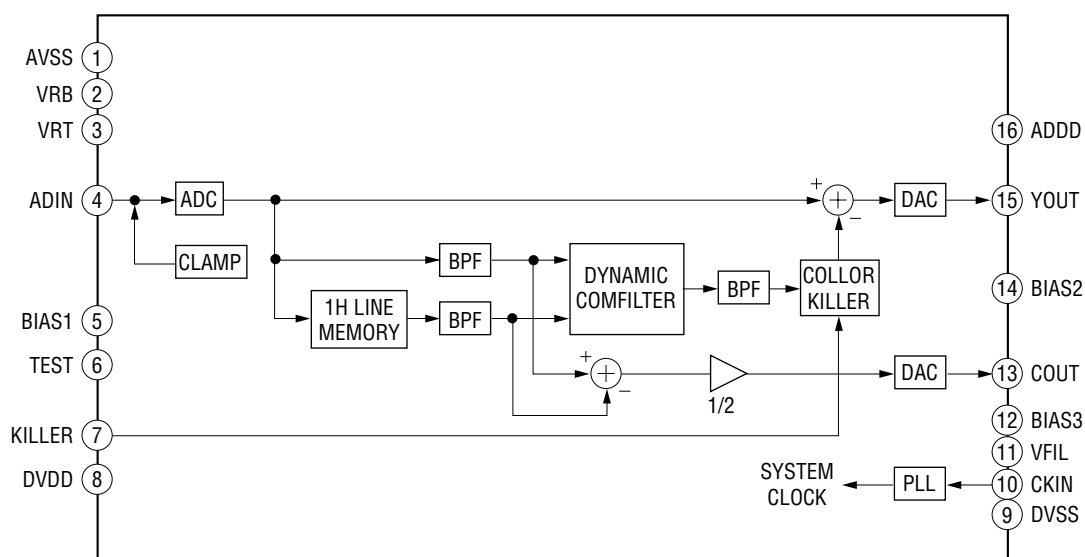


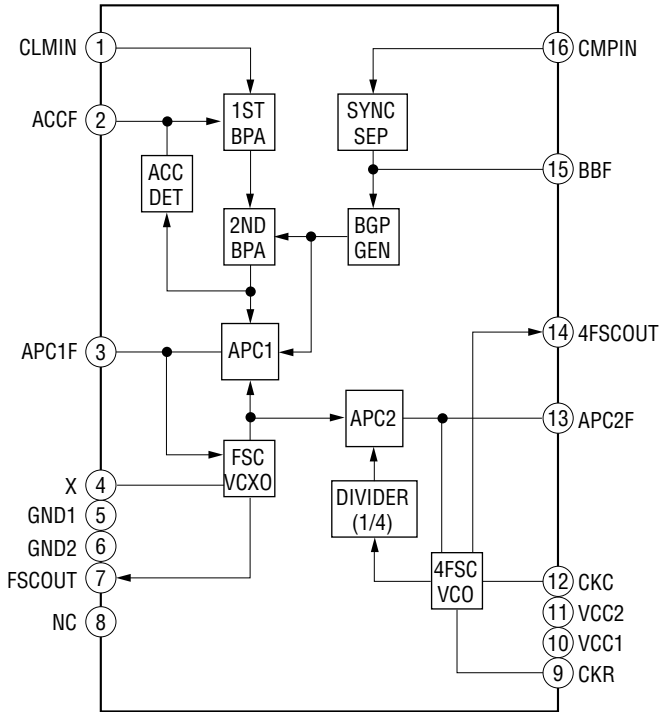
• IC BLOCK DIAGRAMS

IC3 MM1069XS



IC6 TC90A45



IC7 MM1093NF

SECTION 4 EXPLODED VIEWS

NOTE:

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

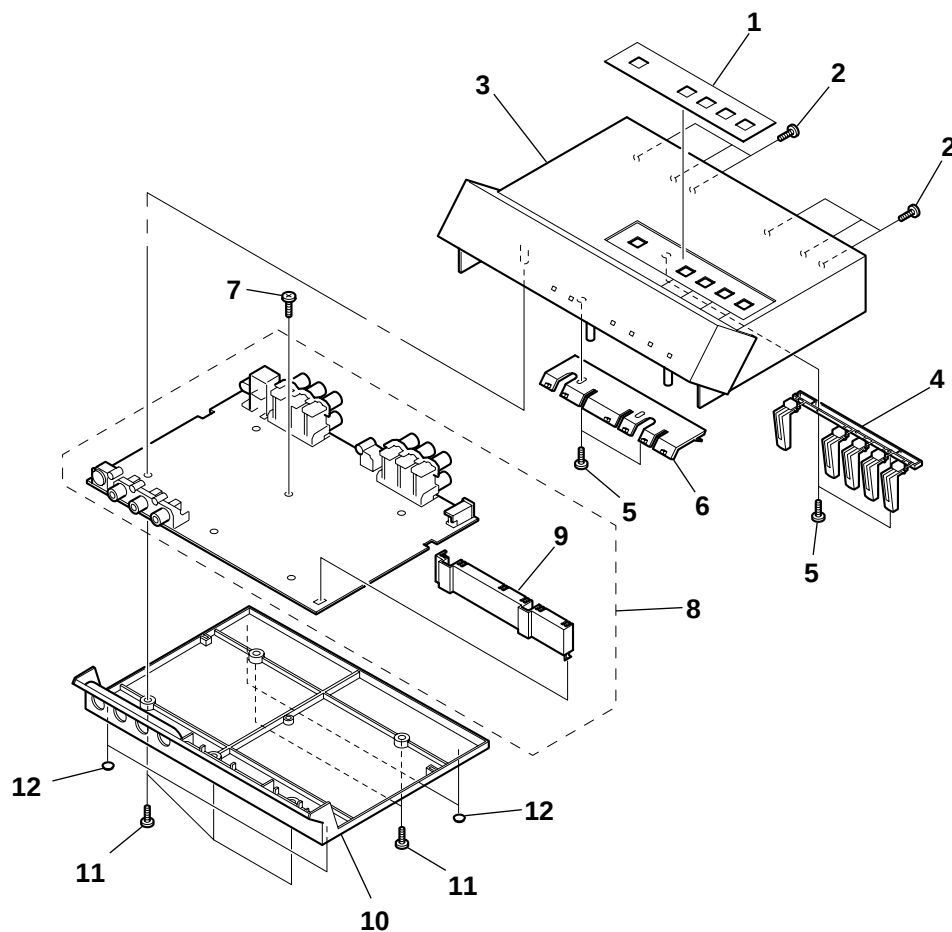
• Color Indication of Appearance Parts

Example :

KNOB, BALANCE (WHITE) ... (RED)

Parts Color Cabinet's Color

- Accessories are given in the last of this parts list.



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-228-661-01	SHEET, INDICATION		7	7-685-532-14	SCREW +BTP 2.6X5 TYPE2 N-S	
2	7-685-646-79	SCREW +P 3X8 TYPE2 NON-SLIT		* 8	A-4542-690-A	CC-15 BOARD, COMPLETE	
3	3-226-001-01	COVER, UPPER		9	3-226-005-01	HOLDER, LED	
4	3-226-004-01	BUTTON		10	3-226-002-01	CABINET (LOWER)	
5	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S		11	7-685-535-19	SCREW +BTP 2.6X10 TYPE2 N-S	
6	3-226-003-01	PLATE, LIGHT GUIDE		12	3-740-607-01	CUSHION	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4542-690-A	CC-15 BOARD, COMPLETE *****		C40	1-124-472-11	ELECT 470uF 20%	10V
	3-226-005-01	HOLDER, LED		C41	1-124-472-11	ELECT 470uF 20%	10V
		< CAPACITOR >		C42	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C1	1-124-445-11	ELECT 100uF 20%	16V	C43	1-124-445-11	ELECT 100uF 20%	16V
C2	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C46	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C3	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C47	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C4	1-124-445-11	ELECT 100uF 20%	16V	C48	1-162-915-11	CERAMIC CHIP 10PF 0.5PF	50V
C5	1-124-907-11	ELECT 10uF 20%	50V	C49	1-162-916-11	CERAMIC CHIP 12PF 5%	50V
C6	1-124-907-11	ELECT 10uF 20%	50V	C50	1-124-474-11	ELECT 47uF 20%	16V
C7	1-124-902-11	ELECT 0.47uF 20%	50V	C51	1-124-902-11	ELECT 0.47uF 20%	50V
C8	1-124-907-11	ELECT 10uF 20%	50V	C52	1-124-907-11	ELECT 10uF 20%	50V
C9	1-124-907-11	ELECT 10uF 20%	50V	C53	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C10	1-124-902-11	ELECT 0.47uF 20%	50V	C54	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C11	1-124-902-11	ELECT 0.47uF 20%	50V	C55	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C12	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C56	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C13	1-124-907-11	ELECT 10uF 20%	50V	C57	1-124-907-11	ELECT 10uF 20%	50V
C14	1-124-907-11	ELECT 10uF 20%	50V	C58	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C15	1-124-902-11	ELECT 0.47uF 20%	50V	C59	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C16	1-124-902-11	ELECT 0.47uF 20%	50V	C60	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C17	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C61	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C18	1-124-907-11	ELECT 10uF 20%	50V	C62	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C19	1-124-907-11	ELECT 10uF 20%	50V	C63	1-164-218-11	CERAMIC CHIP 0.01uF 5%	50V
C20	1-124-902-11	ELECT 0.47uF 20%	50V	C64	1-162-924-11	CERAMIC CHIP 56PF 5%	50V
C21	1-124-902-11	ELECT 0.47uF 20%	50V	C65	1-162-923-11	CERAMIC CHIP 47PF 5%	50V
C22	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C66	1-124-903-11	ELECT 1uF 20%	50V
C23	1-124-907-11	ELECT 10uF 20%	50V	C67	1-162-924-11	CERAMIC CHIP 56PF 5%	50V
C24	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C68	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C25	1-124-445-11	ELECT 100uF 20%	16V	C69	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C26	1-162-917-11	CERAMIC CHIP 15PF 5%	50V	C70	1-162-917-11	CERAMIC CHIP 15PF 5%	50V
C27	1-124-902-11	ELECT 0.47uF 20%	50V	C71	1-164-739-11	CERAMIC CHIP 560PF 5%	50V
C28	1-164-230-11	CERAMIC CHIP 220PF 5%	50V	C72	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C29	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V	C73	1-124-474-11	ELECT 47uF 20%	16V
C30	1-124-903-11	ELECT 1uF 20%	50V	C80	1-124-906-11	ELECT 4.7uF 20%	50V
C31	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	C81	1-115-433-11	CERAMIC CHIP 390PF 5%	25V
C32	1-124-903-11	ELECT 1uF 20%	50V	C82	1-124-904-11	ELECT 2.2uF 20%	50V
C33	1-164-739-11	CERAMIC CHIP 560PF 5%	50V	C83	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C34	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C84	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C35	1-124-445-11	ELECT 100uF 20%	16V	C85	1-124-902-11	ELECT 0.47uF 20%	50V
C36	1-124-907-11	ELECT 10uF 20%	50V	C86	1-124-472-11	ELECT 470uF 20%	10V
C37	1-124-907-11	ELECT 10uF 20%	50V			< DIODE >	
C38	1-124-907-11	ELECT 10uF 20%	50V	D1	8-719-200-02	DIODE ERA15-02TP1	
C39	1-124-472-11	ELECT 470uF 20%	10V	D2	8-719-028-30	LED SPR-39MVWF (AUTO/MANUAL)	
				D3		LED SLP-489C-51 (MANUAL)	
				D4		LED SLP-289C-51 (1)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D5		LED SLP-289C-51 (2)		R11	1-216-813-11	METAL CHIP 220 5%	1/16W
D6		LED SLP-289C-51 (3)		R12	1-216-813-11	METAL CHIP 220 5%	1/16W
D7		LED SLP-289C-51 (4)		R15	1-216-821-11	METAL CHIP 1K 5%	1/16W
D8	8-719-988-61	DIODE 1SS355TE-17		R16	1-216-845-11	METAL CHIP 100K 5%	1/16W
		< IC >		R17	1-216-837-11	METAL CHIP 22K 5%	1/16W
IC1		IC TA78DM05S		R18	1-216-833-11	METAL CHIP 10K 5%	1/16W
IC2	8-759-826-20	IC M52791FP		R19	1-216-816-11	METAL CHIP 390 5%	1/16W
IC3	8-759-826-18	IC MM1069XS		R20	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
IC4	8-759-826-20	IC M52791FP		R21	1-216-826-11	METAL CHIP 2.7K 5%	1/16W
IC5	8-759-826-17	IC M34513		R22	1-216-851-11	METAL CHIP 330K 5%	1/16W
IC6		IC TC90A45		R23	1-216-816-11	METAL CHIP 390 5%	1/16W
IC7	8-759-826-19	IC MM1093NF		R26	1-216-813-11	METAL CHIP 220 5%	1/16W
		< JACK >		R27	1-216-813-11	METAL CHIP 220 5%	1/16W
J1	1-779-406-11	JACK, DC (POLARITY UNIFIED) (DC IN 6V)		R28	1-216-839-11	METAL CHIP 33K 5%	1/16W
J2		JACK, PIN (2 STEP) (INPUT4/OUTPUT VIDEO, INPUT4/OUTPUT AUDIO)		R29	1-216-839-11	METAL CHIP 33K 5%	1/16W
J3	1-778-773-11	TERMINAL, S (OUTPUT VIDEO S)		R30	1-218-285-11	RES-CHIP 75 5%	1/10W
J4		JACK, PIN (2 STEP) (INPUT2/3 VIDEO, INPUT2/3 AUDIO)		R32	1-218-285-11	RES-CHIP 75 5%	1/10W
J5	1-694-484-21	TERMINAL, S (2P.V) (INPUT2 VIDEO S, INPUT VIDEO S)		R34	1-218-285-11	RES-CHIP 75 5%	1/10W
J6	1-764-592-11	JACK, PIN (1 STEP) (INPUT1 VIDEO/AUDIO)		R37	1-216-833-11	METAL CHIP 10K 5%	1/16W
J7	1-778-773-11	TERMINAL, S (INPUT1 VIDEO S)		R38	1-216-833-11	METAL CHIP 10K 5%	1/16W
		< COIL >		R39	1-216-817-11	METAL CHIP 470 5%	1/16W
L1	1-412-235-11	INDUCTOR 22uH		R40	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
L2	1-412-211-11	INDUCTOR 100uH		R41	1-216-834-11	METAL CHIP 12K 5%	1/16W
L3	1-412-211-11	INDUCTOR 100uH		R42	1-216-834-11	METAL CHIP 12K 5%	1/16W
L5	1-412-231-11	INDUCTOR 10uH		R43	1-216-821-11	METAL CHIP 1K 5%	1/16W
L6	1-412-236-11	INDUCTOR 27uH		R44	1-216-820-11	METAL CHIP 820 5%	1/16W
L7	1-412-237-11	INDUCTOR 33uH		R45	1-216-809-11	METAL CHIP 100 5%	1/16W
		< TRANSISTOR >		R46	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q1	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R47	1-216-815-11	METAL CHIP 330 5%	1/16W
Q2	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R48	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q3	8-729-120-28	TRANSISTOR 2SC2412K-T-146-R		R49	1-216-816-11	METAL CHIP 390 5%	1/16W
Q4	8-729-807-95	TRANSISTOR 2SB1295		R50	1-216-816-11	METAL CHIP 390 5%	1/16W
Q5	8-729-027-23	TRANSISTOR DTA114EKA-T146		R51	1-216-857-11	METAL CHIP 1M 5%	1/16W
Q6	8-729-027-23	TRANSISTOR DTA114EKA-T146		R52	1-216-833-11	METAL CHIP 10K 5%	1/16W
		< RESISTOR >		R53	1-216-833-11	METAL CHIP 10K 5%	1/16W
R1	1-218-285-11	RES-CHIP 75 5%	1/10W	R55	1-216-830-11	METAL CHIP 5.6K 5%	1/16W
R2	1-218-285-11	RES-CHIP 75 5%	1/10W	R56	1-216-841-11	METAL CHIP 47K 5%	1/16W
R3	1-218-285-11	RES-CHIP 75 5%	1/10W	R57	1-220-158-11	RES-CHIP 3.6K 5%	1/10W
R4	1-218-285-11	RES-CHIP 75 5%	1/10W	R67	1-216-815-11	METAL CHIP 330 5%	1/16W
R5	1-218-285-11	RES-CHIP 75 5%	1/10W	R68	1-216-815-11	METAL CHIP 330 5%	1/16W
R6	1-218-285-11	RES-CHIP 75 5%	1/10W	R69	1-216-815-11	METAL CHIP 330 5%	1/16W
R7	1-218-285-11	RES-CHIP 75 5%	1/10W	R70	1-216-815-11	METAL CHIP 330 5%	1/16W
R8	1-218-285-11	RES-CHIP 75 5%	1/10W	R71	1-216-815-11	METAL CHIP 330 5%	1/16W
R9	1-218-285-11	RES-CHIP 75 5%	1/10W	R72	1-216-815-11	METAL CHIP 330 5%	1/16W
R10	1-218-285-11	RES-CHIP 75 5%	1/10W	R73	1-216-835-11	METAL CHIP 15K 5%	1/16W
				R74	1-216-806-11	RES-CHIP 56 5%	1/10W
				R75	1-218-285-11	RES-CHIP 75 5%	1/10W
				R76	1-216-806-11	RES-CHIP 56 5%	1/10W
				R77	1-218-285-11	RES-CHIP 75 5%	1/10W
				R78	1-216-833-11	METAL CHIP 10K 5%	1/16W
				R79	1-216-821-11	METAL CHIP 1K 5%	1/16W
				R90	1-216-815-11	METAL CHIP 330 5%	1/16W

SB-V55A

CC-15

Ref. No.	Part No.	Description	Remark
		< SWITCH >	
SW1		SWITCH (INPUT1)	
SW2		SWITCH (INPUT2)	
SW3		SWITCH (INPUT3)	
SW4		SWITCH (INPUT4)	
SW5		SWITCH (AUTO/MANUAL)	
		< VIBRATOR >	
X1	1-579-583-11	VIBRATOR, CERAMIC (503.5kHz)	
X2	1-781-282-11	VIBRATOR, CERAMIC (4MHz)	
X3		VIBRATOR, CERAMIC (3.58MHz)	

		ACCESSORIES	

⚠	1-476-269-11	ADAPTOR, AC (AC-E6TR1)	
	3-226-927-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH)	

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

MEMO

REVISION HISTORY

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

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

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