

DCR-DVD92/DVD92E/DVD103/DVD602/ DVD602E/DVD653/DVD653E RMT-835

SERVICE MANUAL

LEVEL 3

Ver. 1.5 2007.09

Revision History

How to use
Acrobat Reader



Photo : DCR-DVD92E

DCR-DVD92/DVD103

US Model

Canadian Model

DCR-DVD92E

AEP Model

UK Model

North European Model

DCR-DVD602E/

DVD653E

Australian Model

Chinese Model

DCR-DVD602

Korea Model

DCR-DVD92/DVD103/

DVD602/DVD602E/

DVD653/DVD653E

E Model

DCR-DVD653/DVD653E

Tourist Model

DCR-DVD92

Brazilian Model

DCR-DVD103

Argentina Model

DCR-DVD653E

Hong Kong Model

Link

SCHEMATIC DIAGRAMS

PRINTED WIRING BOARDS

REPAIR PARTS LIST

- For ADJUSTMENTS (SECTION 6), refer to SERVICE MANUAL, ADJ (9-876-865-51).
- For INSTRUCTION MANUAL, refer to SERVICE MANUAL, LEVEL 1 (9-876-865-41).
- Reference number search on printed wiring boards is available.

The information that is not described in this Service Manual is described in the LEVEL 2 Service Manual.

When repairing, use this manual together with LEVEL 2 Service Manual.

Contents of LEVEL 2 Service Manual

1. SERVICE NOTE	
2. DISASSEMBLY	
3. BLOCK DIAGRAMS	OVERALL POWER
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS	AV-094, CK-148, PD-251, SW-442 BOARD FP-125, FP-126, FP-128, FFC-055, FP-211, FP-228, FP-132, FP-133, FP-135, FP-136, FP-234 FLEXIBLE CONTROL SWITCH BLOCK (PS13300, SB9000) MOTOR UNIT
5. REPAIR PARTS LIST	EXPLODED VIEWS ELECTRICAL PARTS LIST
6. ADJUSTMENTS	



DIGITAL VIDEO CAMERA RECORDER

SONY®



There are two types of the MD board of this model.
 One is the MD-114 board and the other is the MD-120 board.
 Method of identifying the two different MD boards is shown on page 3.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer.

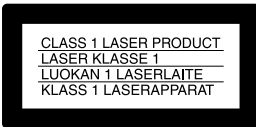
1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.
6. Flexible Circuit Board Repairing
 - Keep the temperature of the soldering iron around 270°C during repairing.
 - Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
 - Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION :
 Danger of explosion if battery is incorrectly replaced.
 Replace only with the same or equivalent type.

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



WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30 cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

Table for difference of function

	DVD92	DVD92E	DVD103	DVD602	DVD602E	DVD653	DVD653E
Destination	US, CND, E, BR	AEP, NE, UK	US, CND, E, AR	E, KR	E, AUS	E, JE	E, HK, AUS, JE
Color System	NTSC	PAL	NTSC	NTSC	PAL	NTSC	PAL
Remote Commander		×	○		×		○
View Finder		W/B	Color		W/B		Color
USB Terminal		×	○		×		○
Line REC		×	○		×		○
Lens Barrier		×	○		×		○

Unleaded solder

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



: LEAD FREE MARK

Unleaded solder has the following characteristics.

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

À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS 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.

CAUTION:

The use of optical instrument with this product will increase eye hazard.

CAUTION

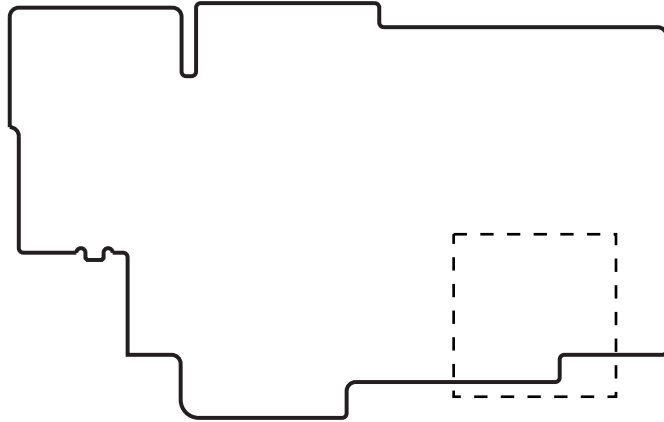
Use of controls or adjustments or performance procedures other than those specified herein may result in hazardous radiation exposure.

• Abbreviation

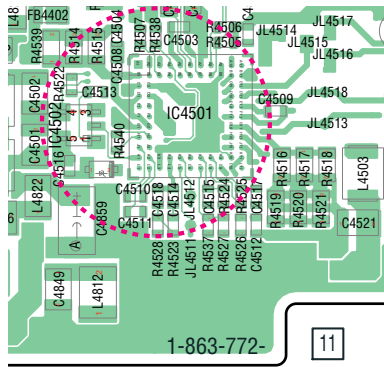
- | | |
|---------------------------|----------------------|
| CND : Canadian model | KR : Korea model |
| HK : Hong Kong model | JE : Tourist model |
| AUS : Australian model | AR : Argentina model |
| NE : North European model | BR : Brazilian model |

- How to identify the printed wiring boards (MD-114 BOARD/MD-120 BOARD)

MD-114 BOARD (SIDE B)
MD-120 BOARD (SIDE B)



(MD-114)



(MD-120)

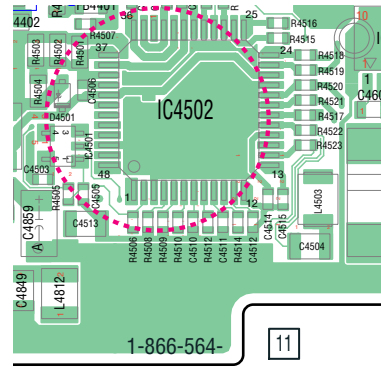


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4-2. PRINTED WIRING BOARDS

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• MD-114 (BATTERY IN, CHARGE, DC/DC CONVERTER, HI CONTROL, REC/PB RF AMP, DSP, SHOCK SENSOR AMP, SDRAM, MECHA CONTROL CPU, 16MBIT FLASH MEMORY, MECHA DRIVE, CONNECTOR)	PRINTED WIRING BOARD 4-79
• MD-120 (BATTERY IN, CHARGE, DC/DC CONVERTER, HI CONTROL, REC/PB RF AMP, DSP, SHOCK SENSOR AMP, SDRAM, MECHA CONTROL CPU, 16MBIT FLASH MEMORY, MECHA DRIVE, CONNECTOR)	PRINTED WIRING BOARD 4-83
• VC-395 (CAMERA A/D CONV., LENS DRIVE, VIDEO SIGNAL PROCESS, DVD SYSTEM CONTROL, 256M/128M SDRAM, 64M FLASH ROM, AUDIO PROCESS, ADC/DAC, AUDIO, VIDEO I/O, ADC/DAC, MIC AMP, SUB MIC AMP, CAMERA CONTROL, CONNECTOR)	PRINTED WIRING BOARD 4-87

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4-1. SCHEMATIC DIAGRAMS

Link

• CD-563 BOARD (CCD IMAGER, TG, PITCH/YAW SENSOR AMP)	• VC-395 BOARD (1/11) (CAMERA A/D CONV.)
• VF-166 BOARD (EVF DRIVER)	• VC-395 BOARD (2/11) (LENS DRIVE)
• MD-114/MD-120 BOARD (1/8) (BATTERY IN, CHARGE)	• VC-395 BOARD (3/11) (VIDEO SIGNAL PROCESS)
• MD-114/MD-120 BOARD (2/8) (DC/DC CONVERTER)	• VC-395 BOARD (4/11) (DVD SYSTEM CONTROL)
• MD-114/MD-120 BOARD (3/8) (HI CONTROL)	• VC-395 BOARD (5/11) (256M/128M SDRAM, 64M FLASH ROM)
• MD-114/MD-120 BOARD (4/8) (REC/PB RF AMP)	• VC-395 BOARD (6/11) (AUDIO PROCESS, ADC/DAC)
• MD-114/MD-120 BOARD (5/8) (DSP, SHOCK SENSOR AMP, SDRAM)	• VC-395 BOARD (7/11) (AUDIO, VIDEO I/O, ADC/DAC)
• MD-114/MD-120 BOARD (6/8) (MECHA CONTROL CPU, 16MBIT FLASH MEMORY)	• VC-395 BOARD (8/11) (MIC AMP)
• MD-114 BOARD (7/8) (MECHA DRIVE)	• VC-395 BOARD (9/11) (SUB MIC AMP)
• MD-120 BOARD (7/8) (MECHA DRIVE)	• VC-395 BOARD (10/11) (CAMERA CONTROL)
• MD-114/MD-120 BOARD (8/8) (CONNECTOR)	• VC-395 BOARD (11/11) (CONNECTOR)

• **COMMON NOTE FOR SCHEMATIC DIAGRAMS**

• **WAVEFORMS**

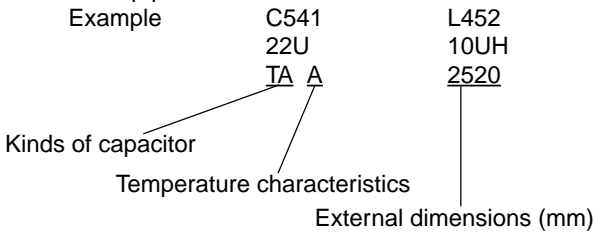
There are two types of the MD board of this model.
One is the MD-114 board and the other is the MD-120 board.
Method of identifying the two different MD boards is shown on page 3.

4-1. SCHEMATIC DIAGRAMS

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

(For schematic diagrams)

- All capacitors are in μF unless otherwise noted. pF : μF . 50 V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10 W unless otherwise noted. $\text{k}\Omega=1000 \Omega$, $\text{M}\Omega=1000 \text{k}\Omega$.
- Caution when replacing chip parts.
New parts must be attached after removal of chip.
Be careful not to heat the minus side of tantalum capacitor, Because it is damaged by the heat.
- Some chip part will be indicated as follows.



- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.
In such cases, the unused circuits may be indicated.
- Parts with * differ according to the model/destination. Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name
XEDIT \rightarrow EDIT PB/XREC \rightarrow PB/REC
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B- Line
- : IN/OUT direction of (+,-) B LINE.
- : adjustment for repair.
- Circled numbers refer to waveforms.

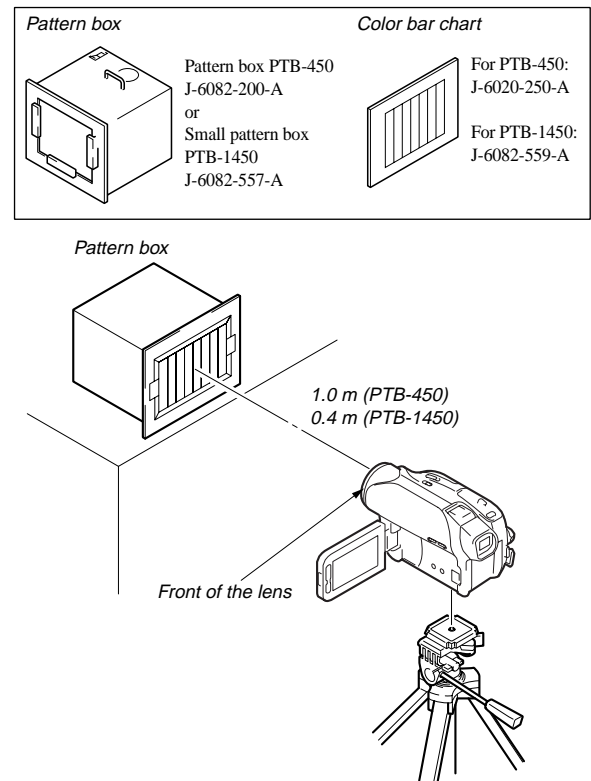
(Measuring conditions voltage and waveform)

- Voltages and waveforms are measured between the measurement points and ground when camera shoots color bar chart of pattern box. They are reference values and reference waveforms.
(VOM of DC 10 M Ω input impedance is used)
- Voltage values change depending upon input impedance of VOM used.)

Precautions Upon Replacing CCD imager

- The CD-563 board mounted as a repair part is not equipped with a CCD imager.
When replacing this board, remove the CCD imager from the old one and mount it onto the new one.
- If the CCD imager has been replaced, carry out all the adjustments for the camera section.
- As the CCD imager may be damaged by static electricity from its structure, handle it carefully like for the MOS IC.
In addition, ensure that the receiver is not covered with dusts nor exposed to strong light.

1. Connection



2. Adjust the distance so that the output waveform of Fig. a and the Fig. b can be obtain.

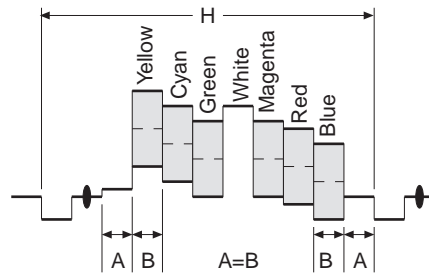


Fig. a (Video output terminal output waveform)

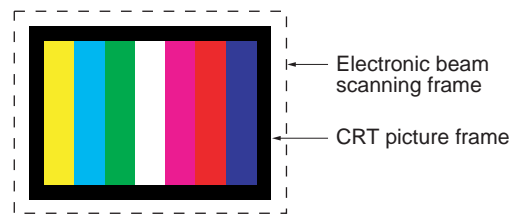
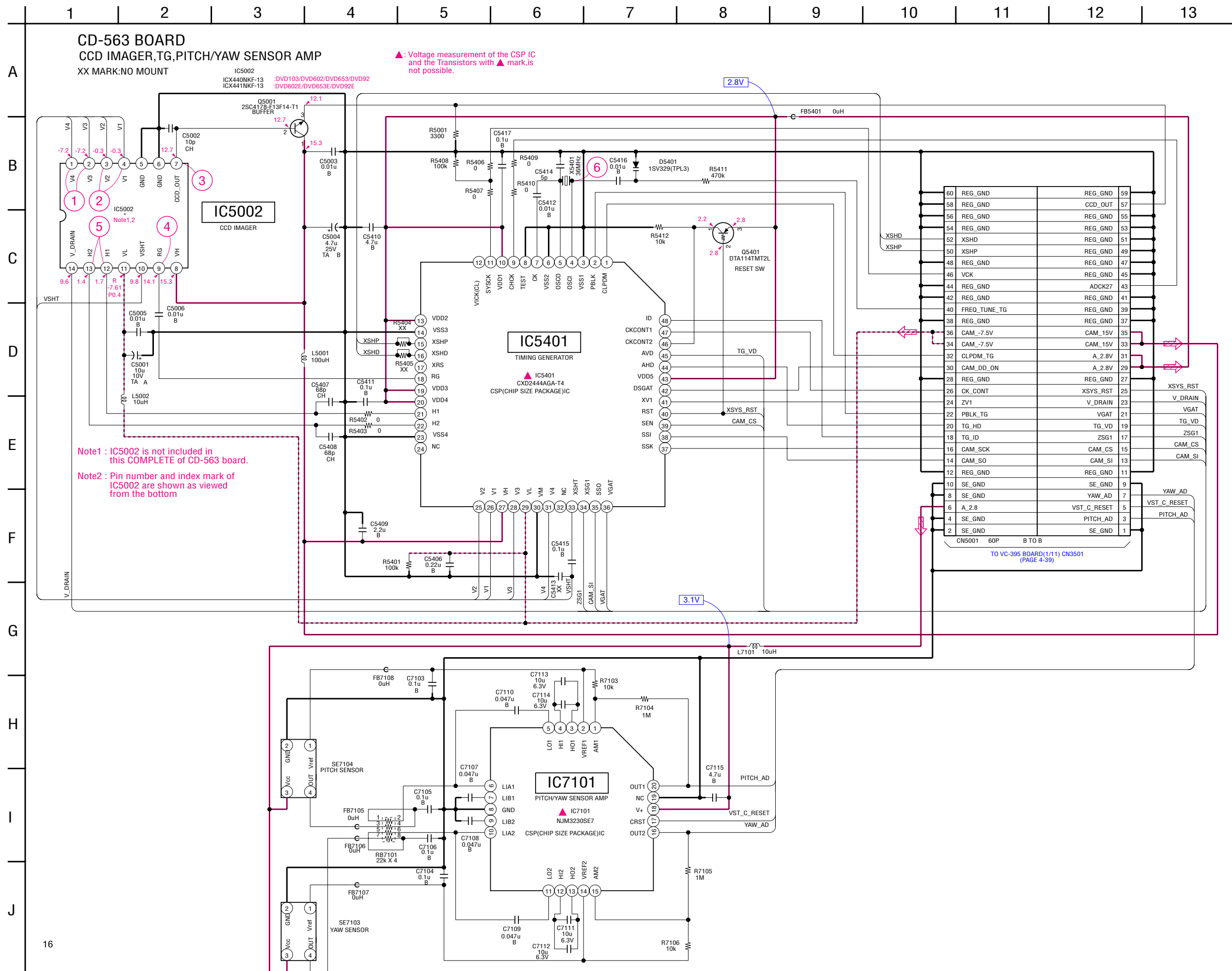


Fig.b (Picture on monitor TV)

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

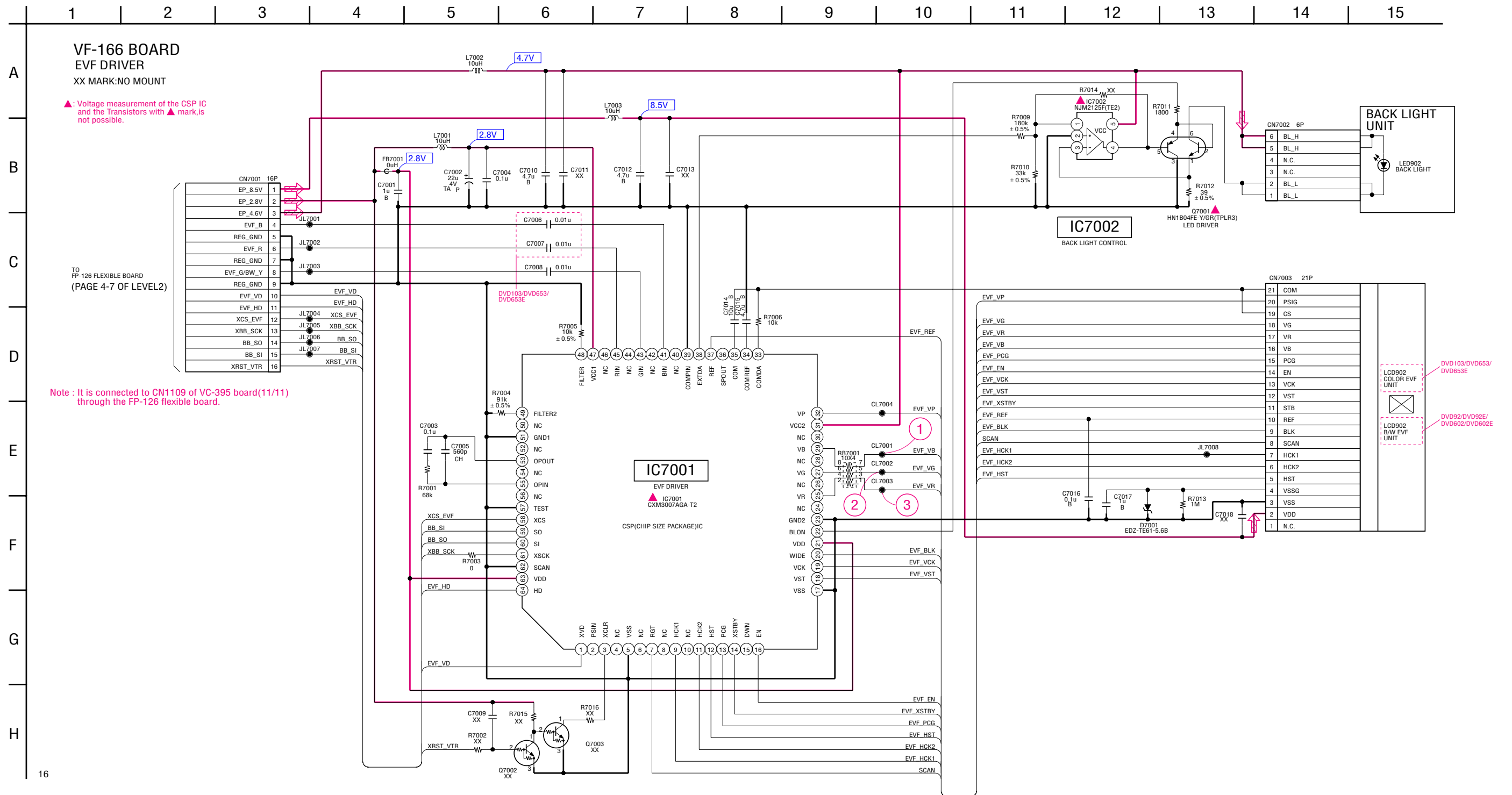
Note :
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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



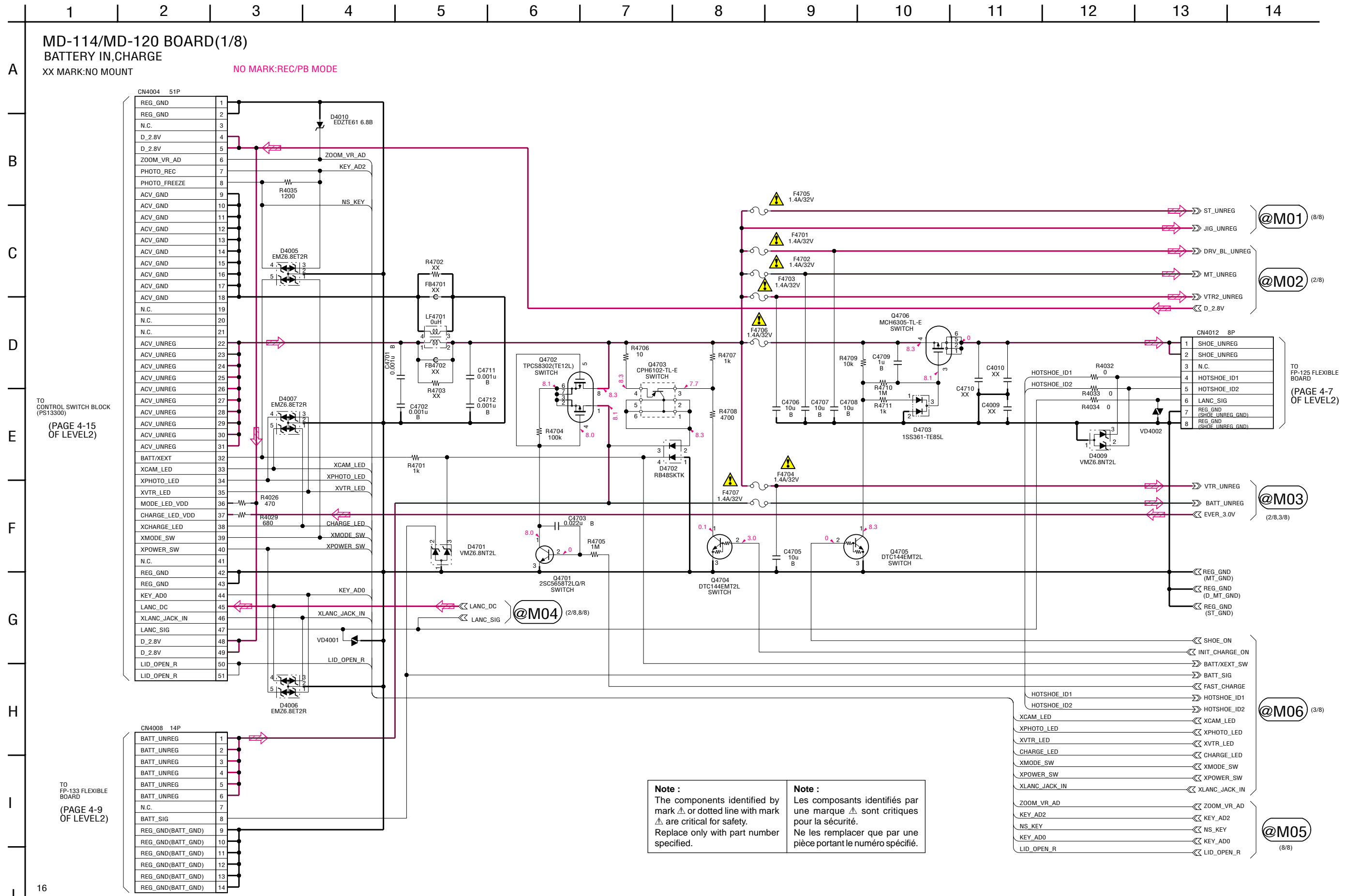
For Schematic Diagram

• Refer to page 4-77 for printed wiring board.



For Schematic Diagram

- Refer to page 4-79 for printed wiring board of MD-114.
- Refer to page 4-83 for printed wiring board of MD-120.

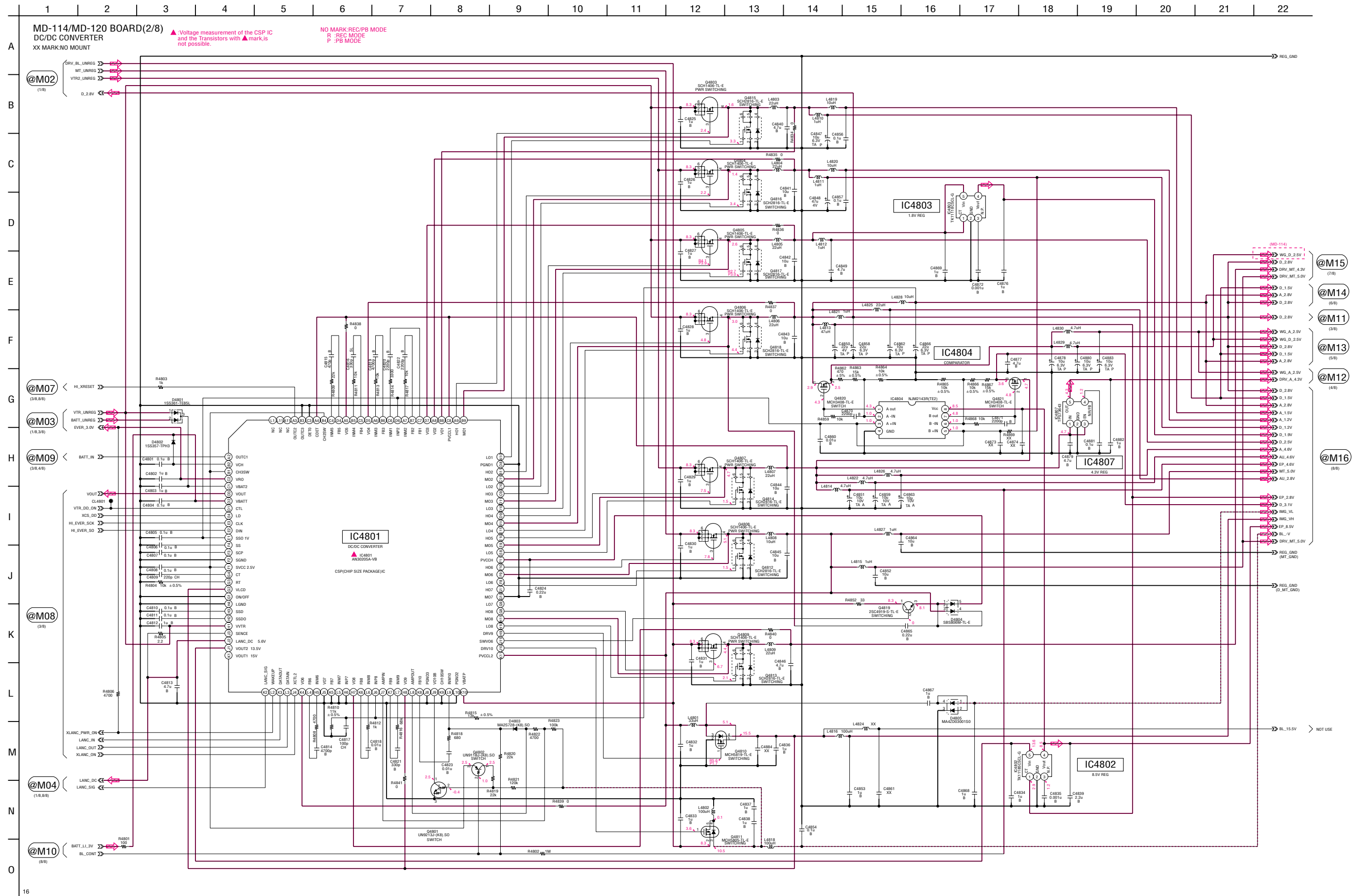


Note :
 The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

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

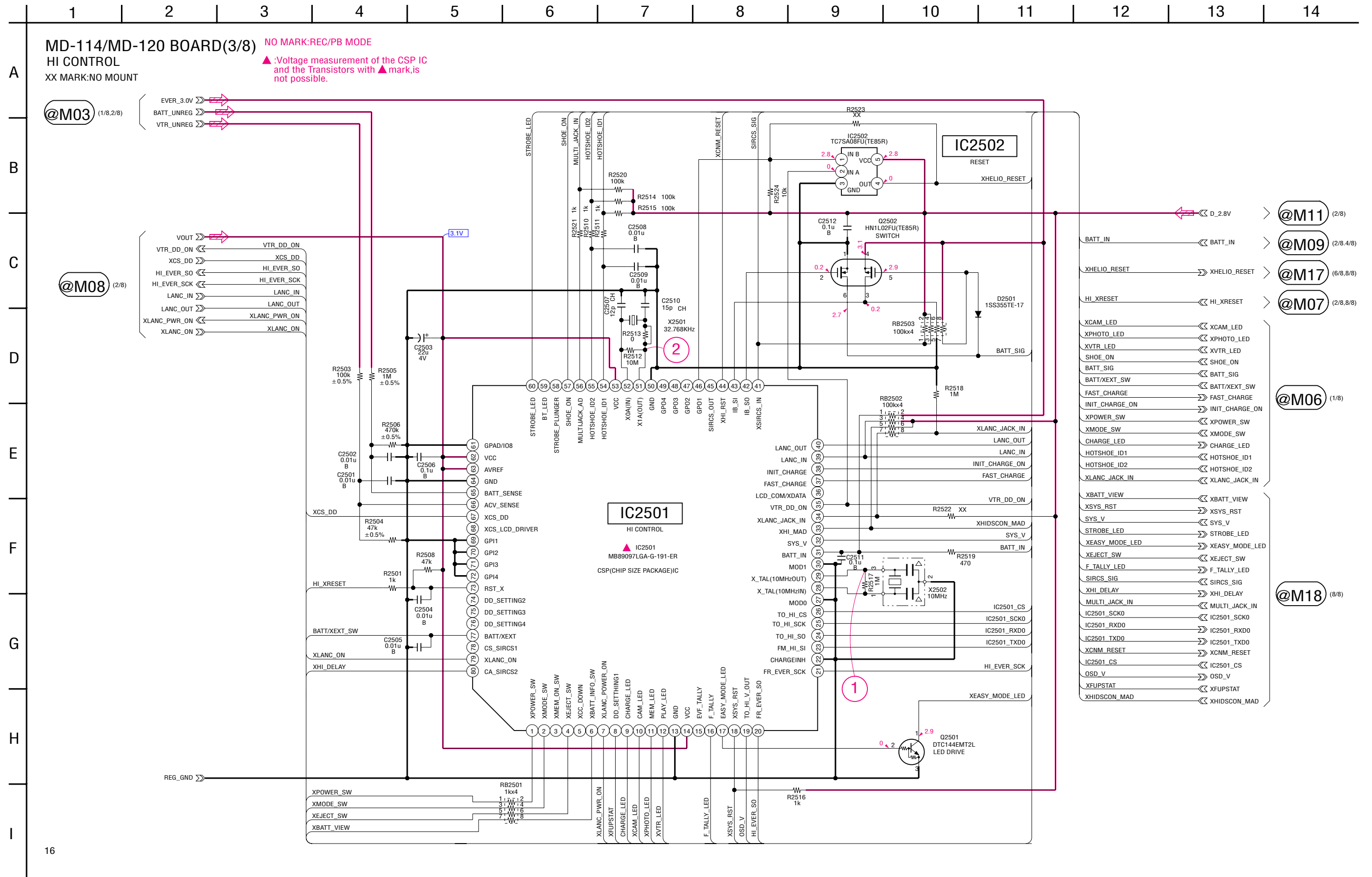
For Schematic Diagram

- Refer to page 4-79 for printed wiring board of MD-114.
- Refer to page 4-83 for printed wiring board of MD-120.



For Schematic Diagram

- Refer to page 4-79 for printed wiring board of MD-114.
- Refer to page 4-83 for printed wiring board of MD-120.
- Refer to page 4-92 for waveforms.



For Schematic Diagram

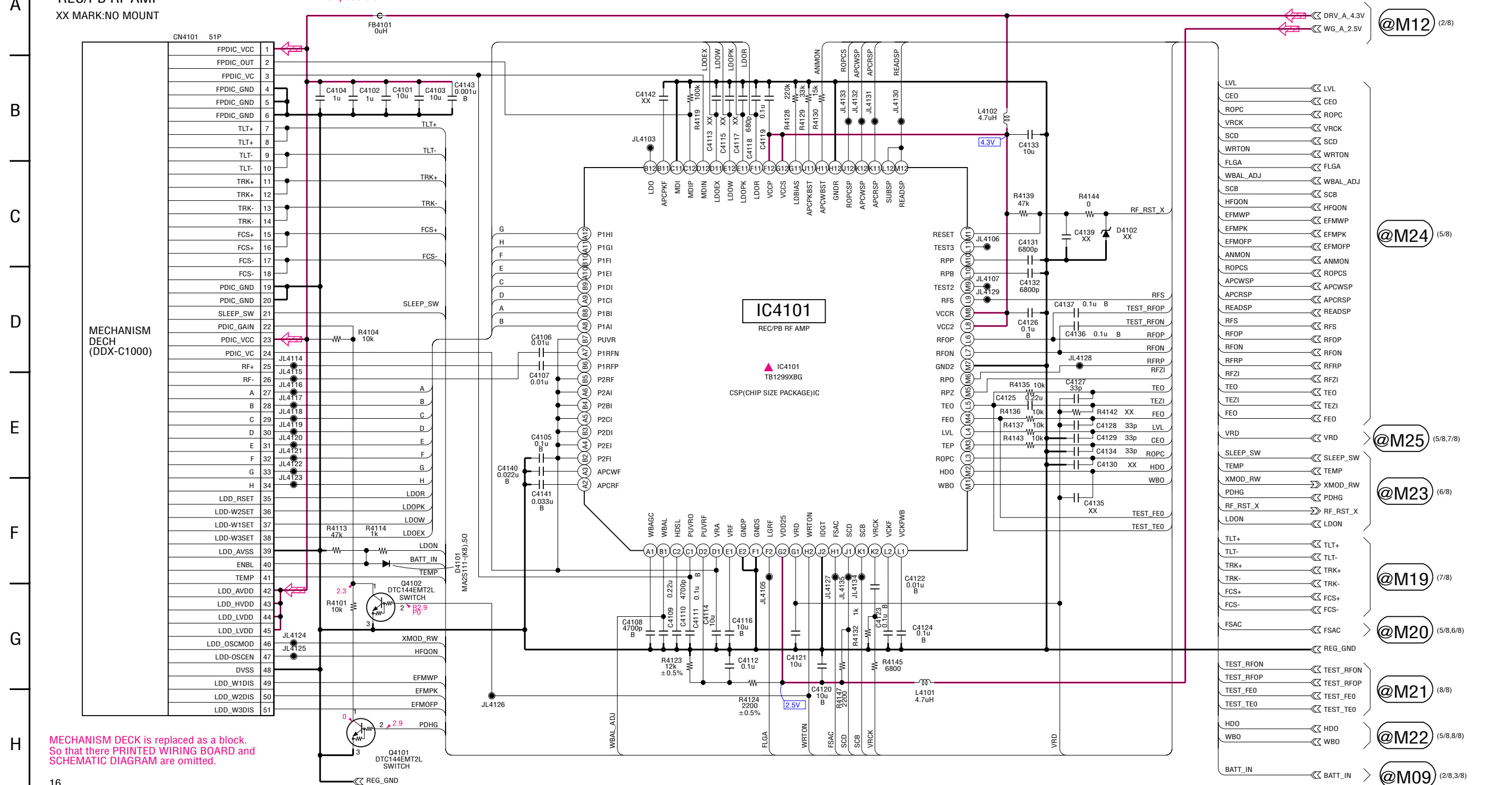
- Refer to page 4-79 for printed wiring board of MD-114.
- Refer to page 4-83 for printed wiring board of MD-120.



MD-114/MD-120 BOARD(4/8)
 REC/PB RF AMP
 XX MARK:NO MOUNT

▲ :Voltage measurement of the GSP IC and the Transistors with ▲ mark,is not possible.

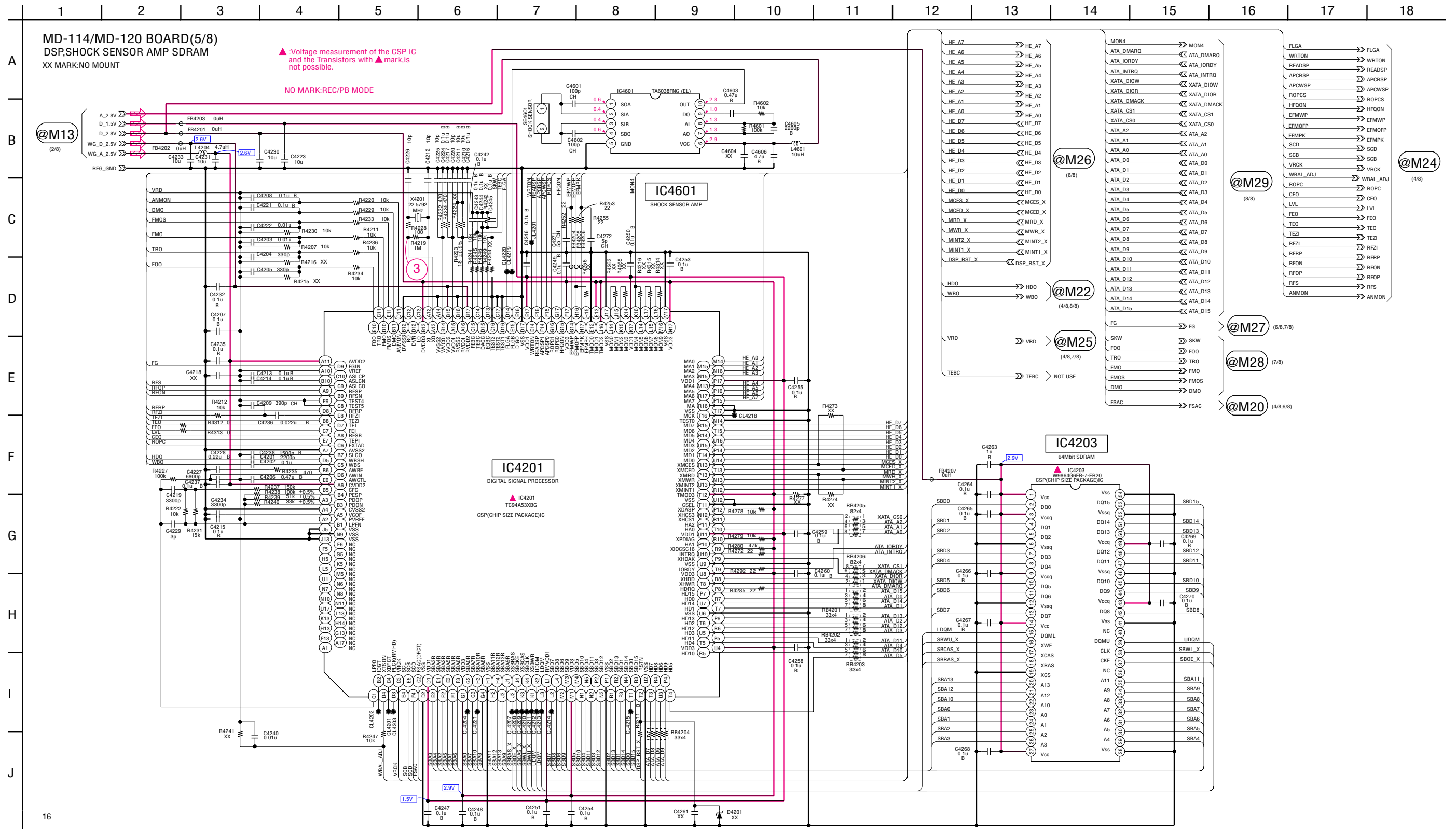
NO MARK:REC/PB MODE
 R :REC MODE
 P :PB MODE



MECHANISM DECK is replaced as a block.
 So that there PRINTED WIRING BOARD and SCHEMATIC DIAGRAM are omitted.

For Schematic Diagram

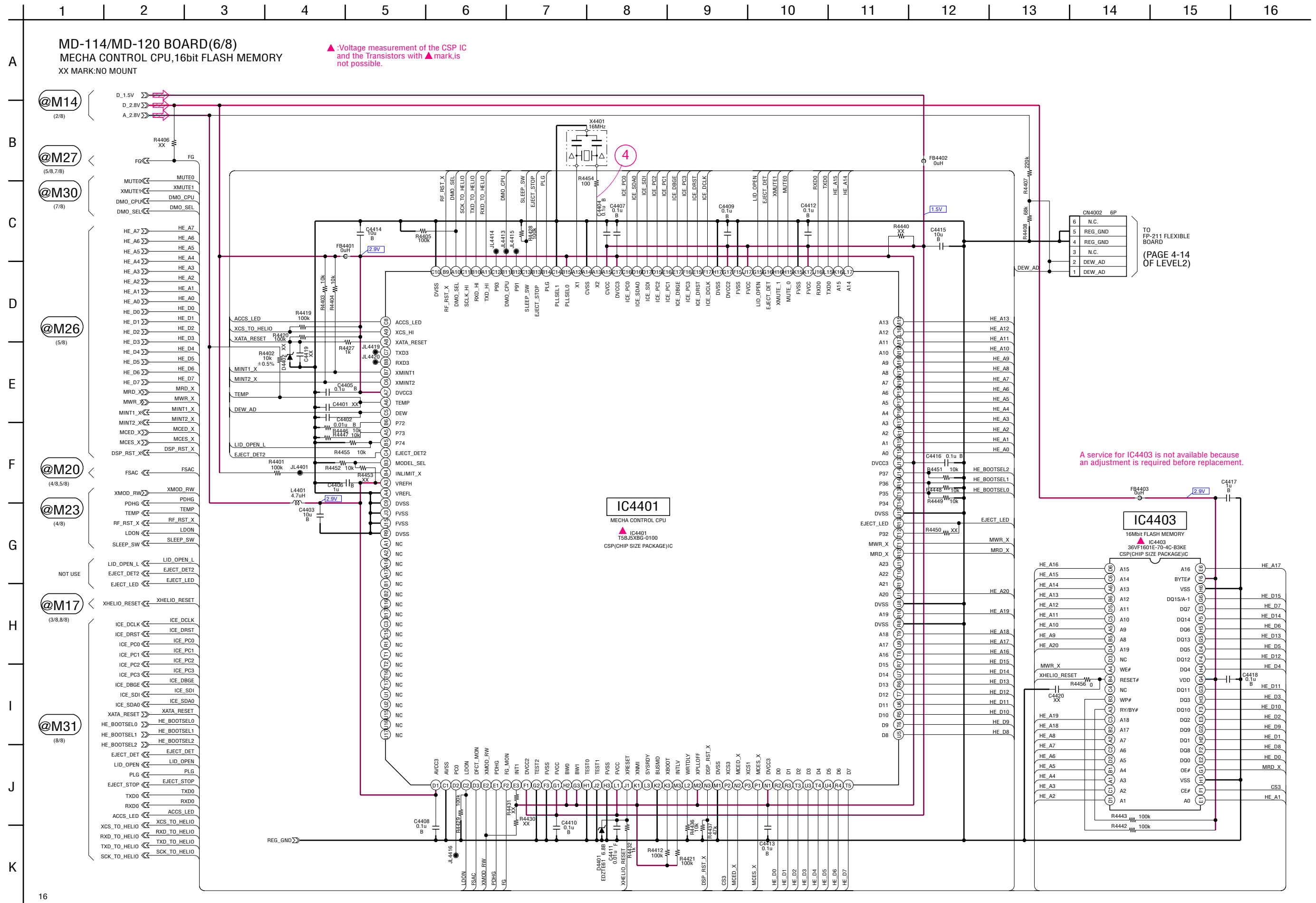
- Refer to page 4-79 for printed wiring board of MD-114.
- Refer to page 4-83 for printed wiring board of MD-120.
- Refer to page 4-92 for waveforms.



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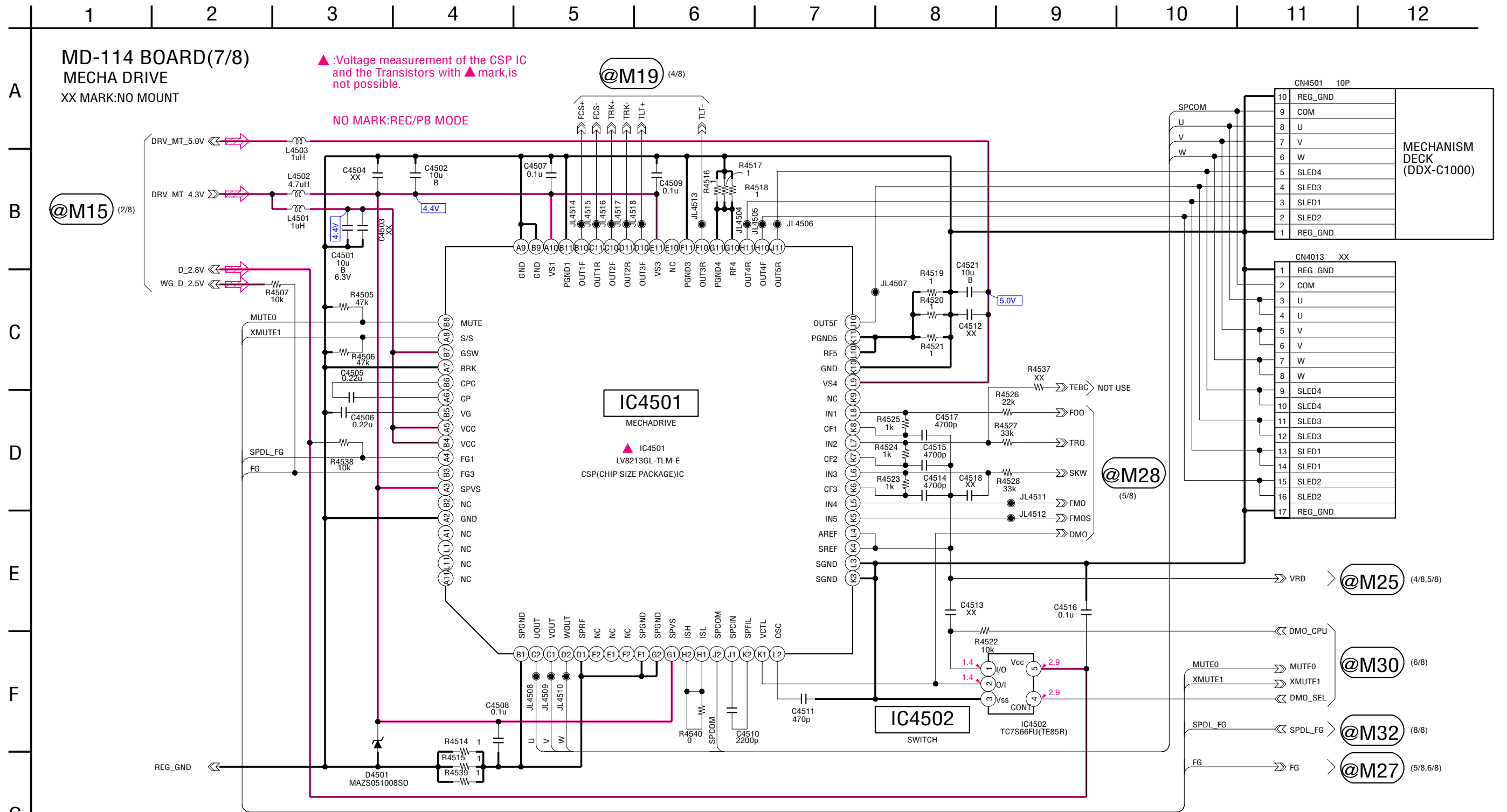
For Schematic Diagram

- Refer to page 4-79 for printed wiring board of MD-114.
- Refer to page 4-83 for printed wiring board of MD-120.
- Refer to page 4-92 for waveforms.



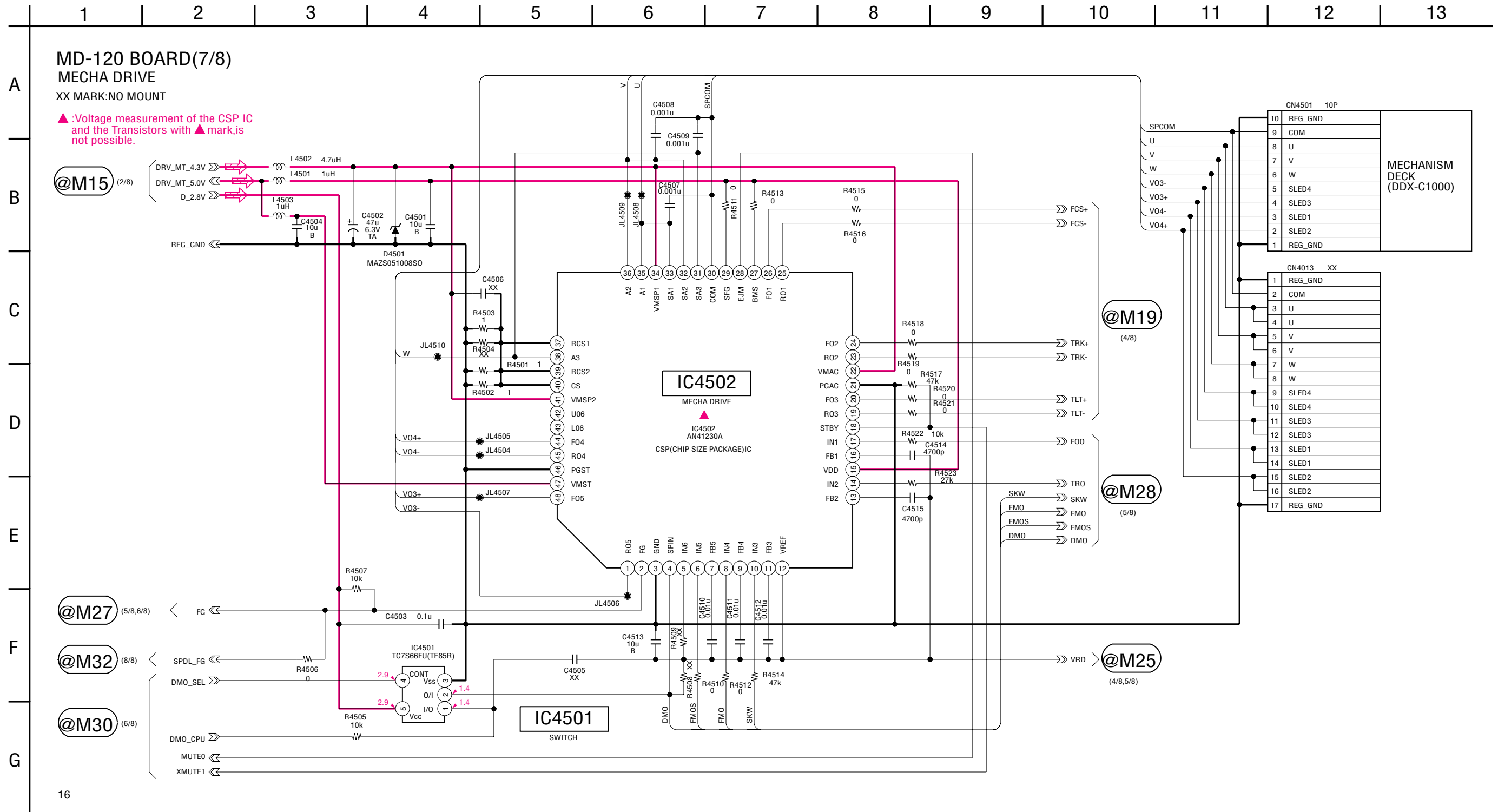
For Schematic Diagram

• Refer to page 4-79 for printed wiring board.



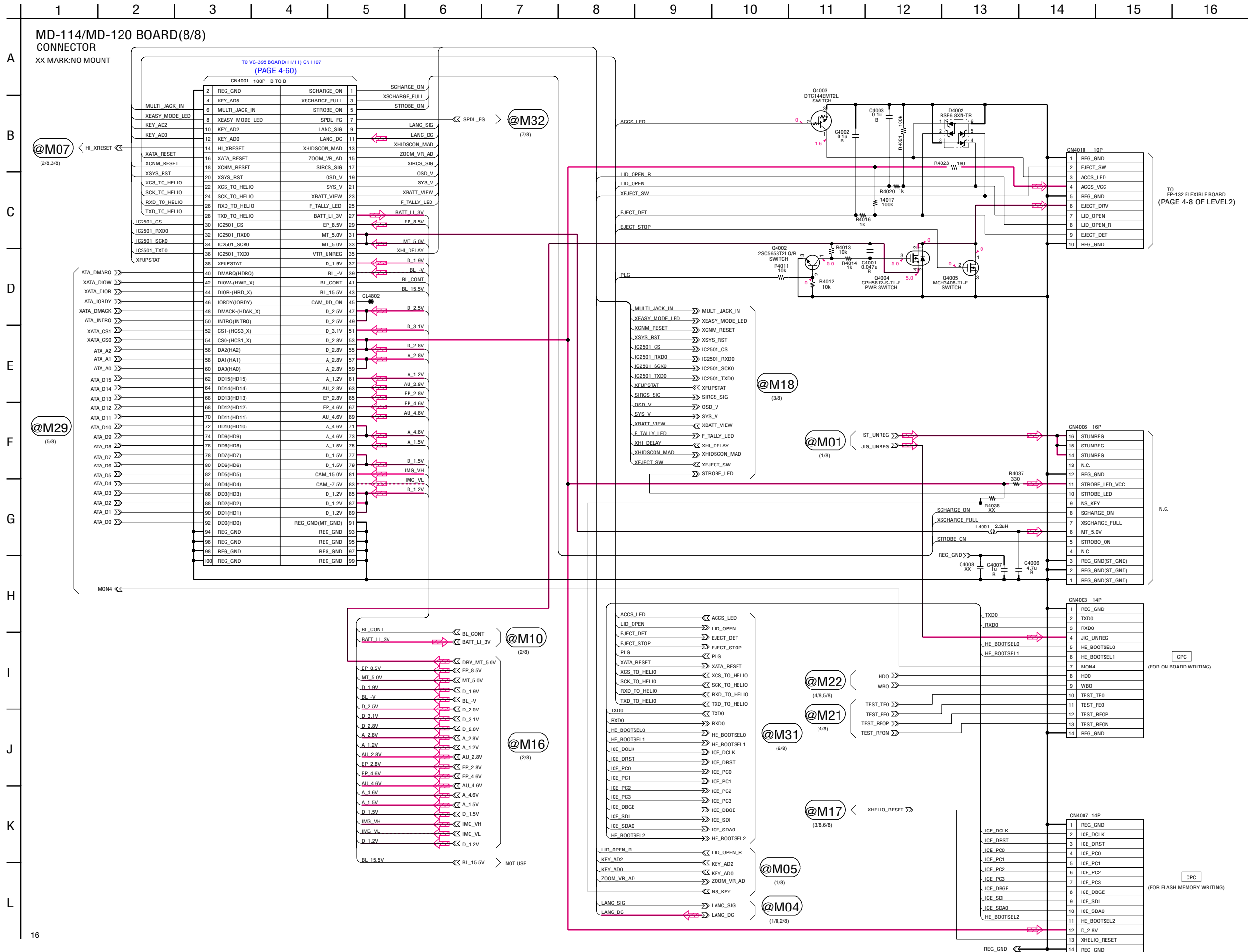
For Schematic Diagram

• Refer to page 4-83 for printed wiring board.



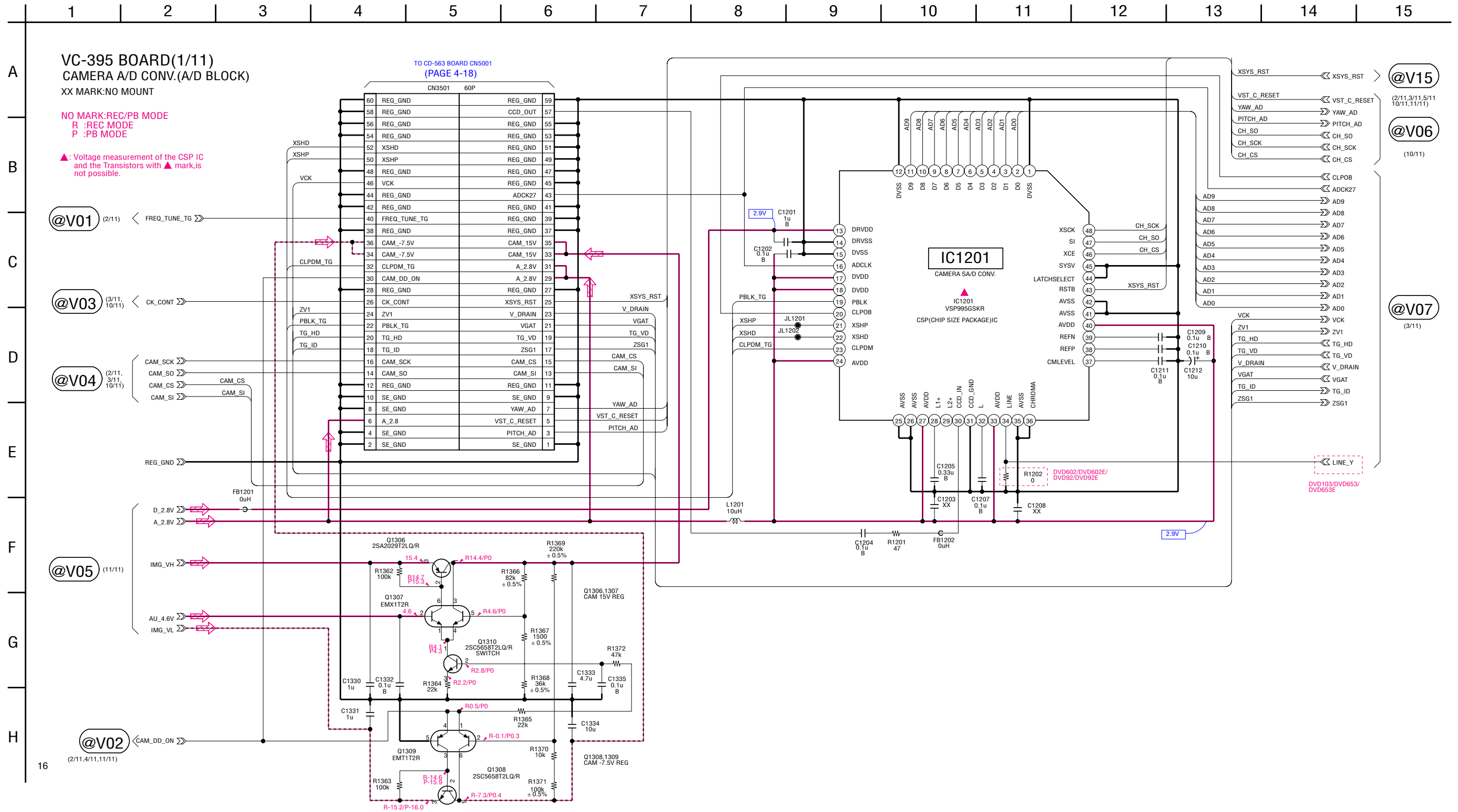
For Schematic Diagram

- Refer to page 4-79 for printed wiring board of MD-114.
- Refer to page 4-83 for printed wiring board of MD-120.

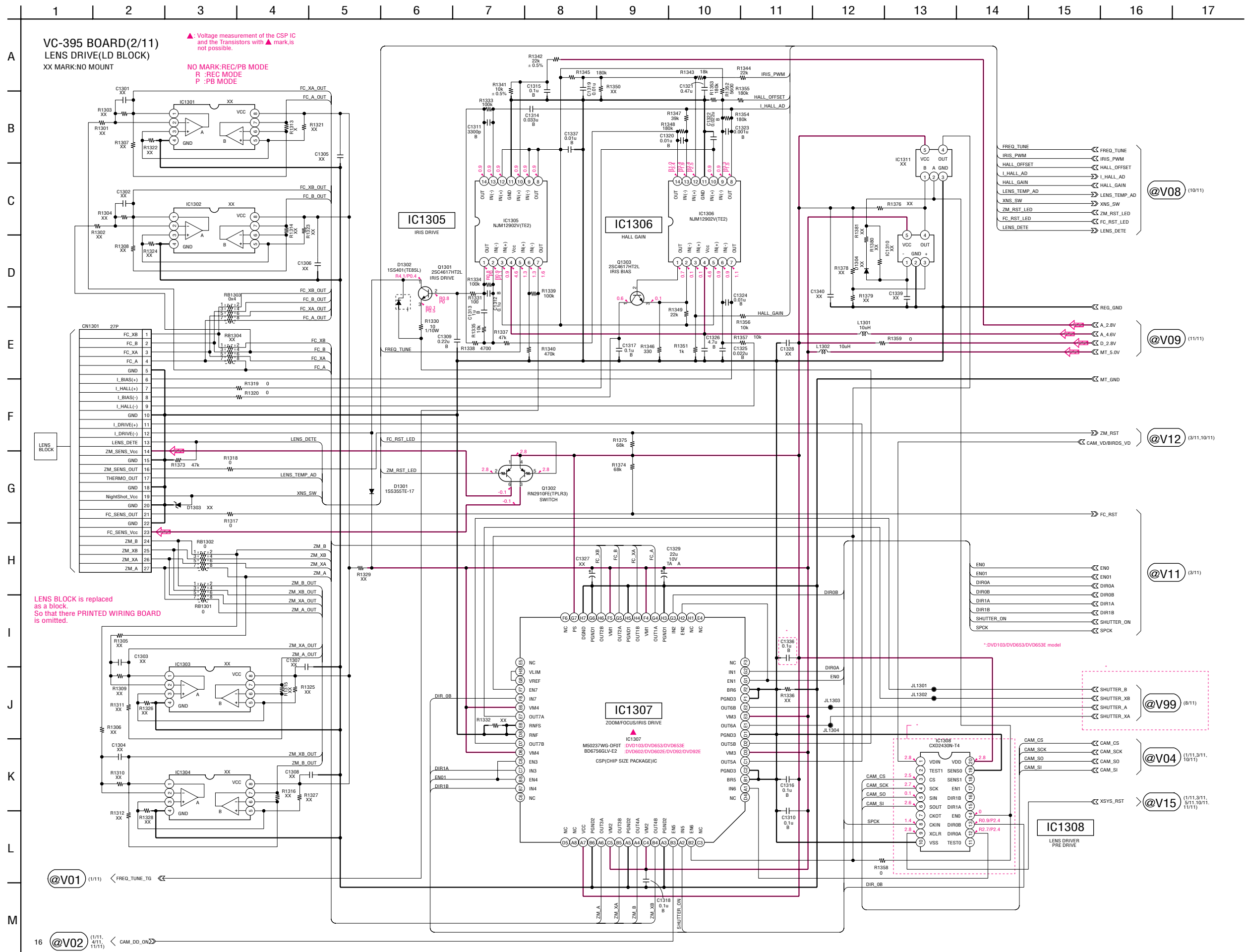


For Schematic Diagram

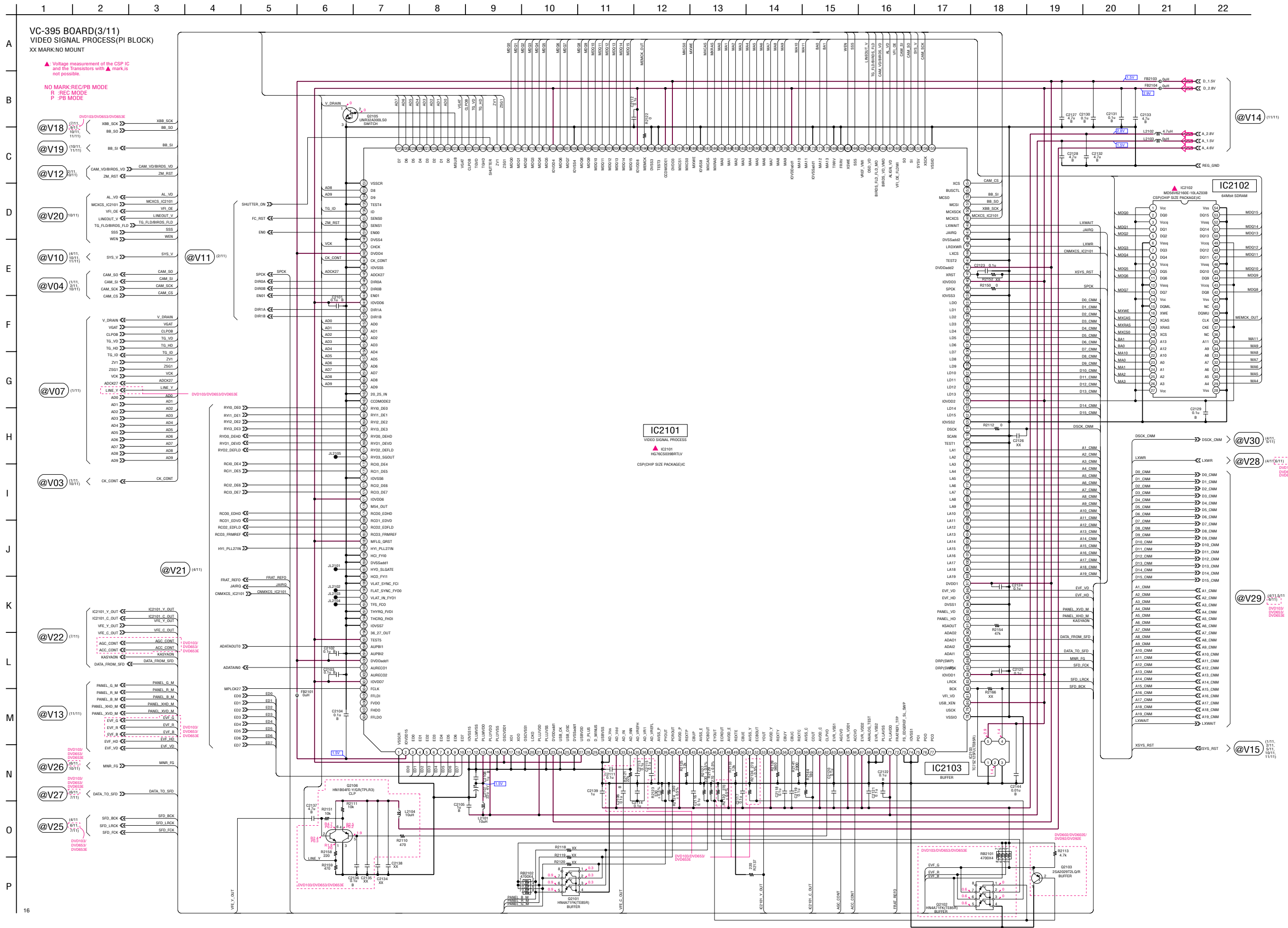
• Refer to page 4-87 for printed wiring board.



For Schematic Diagram
 • Refer to page 4-87 for printed wiring board.

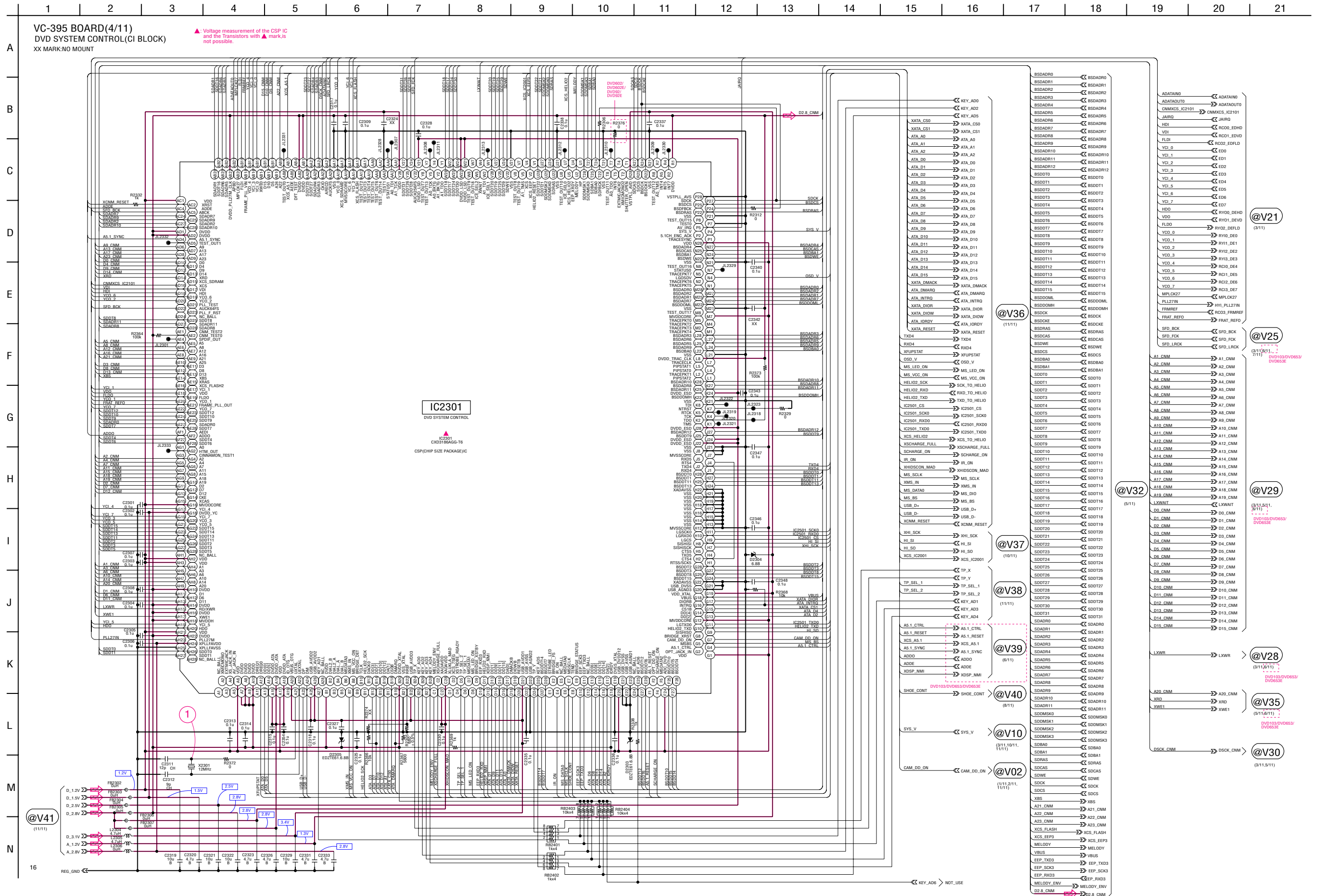


For Schematic Diagram
• Refer to page 4-87 for printed wiring board.



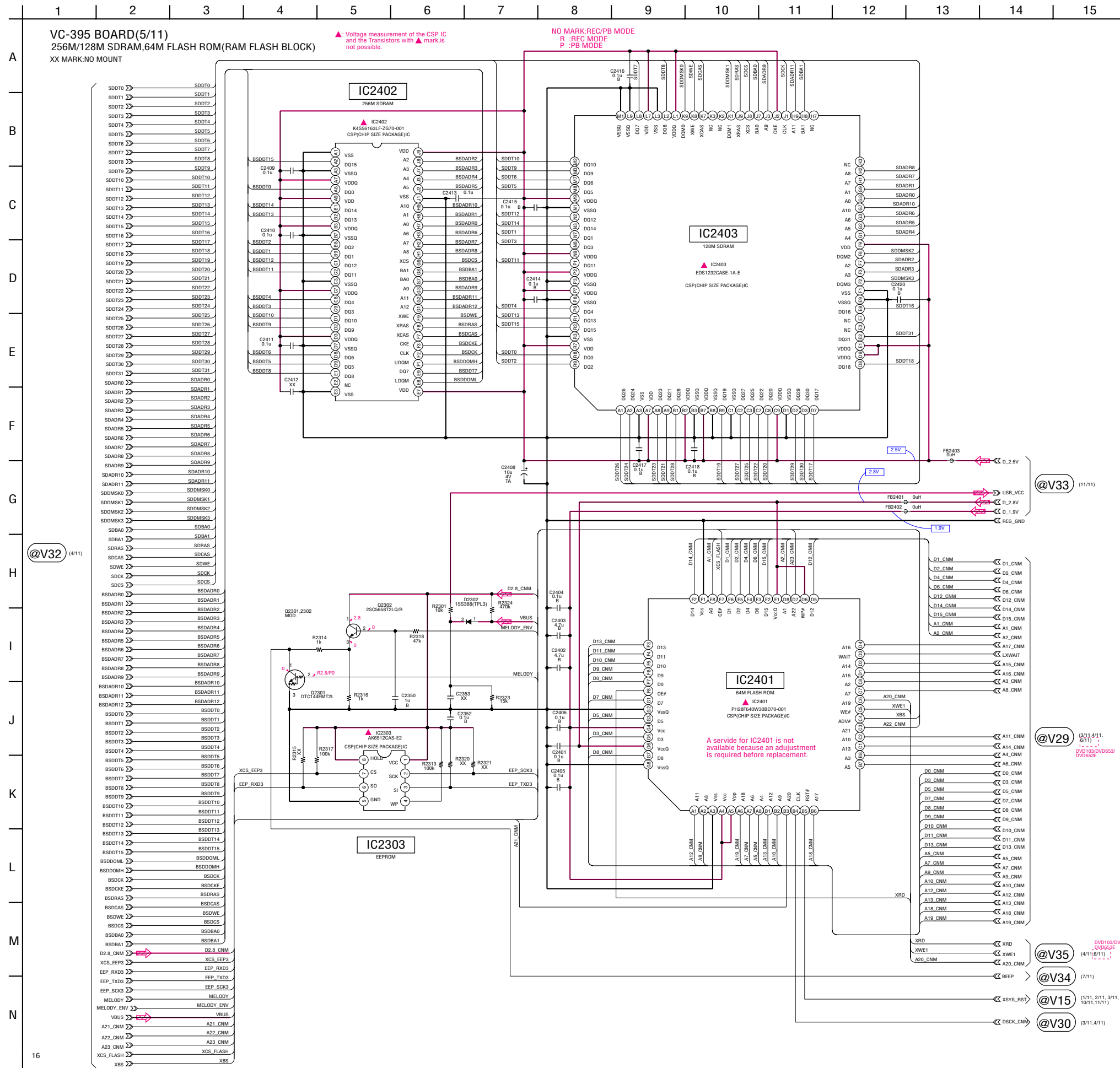
For Schematic Diagram

- Refer to page 4-87 for printed wiring board.
- Refer to page 4-92 for waveforms.



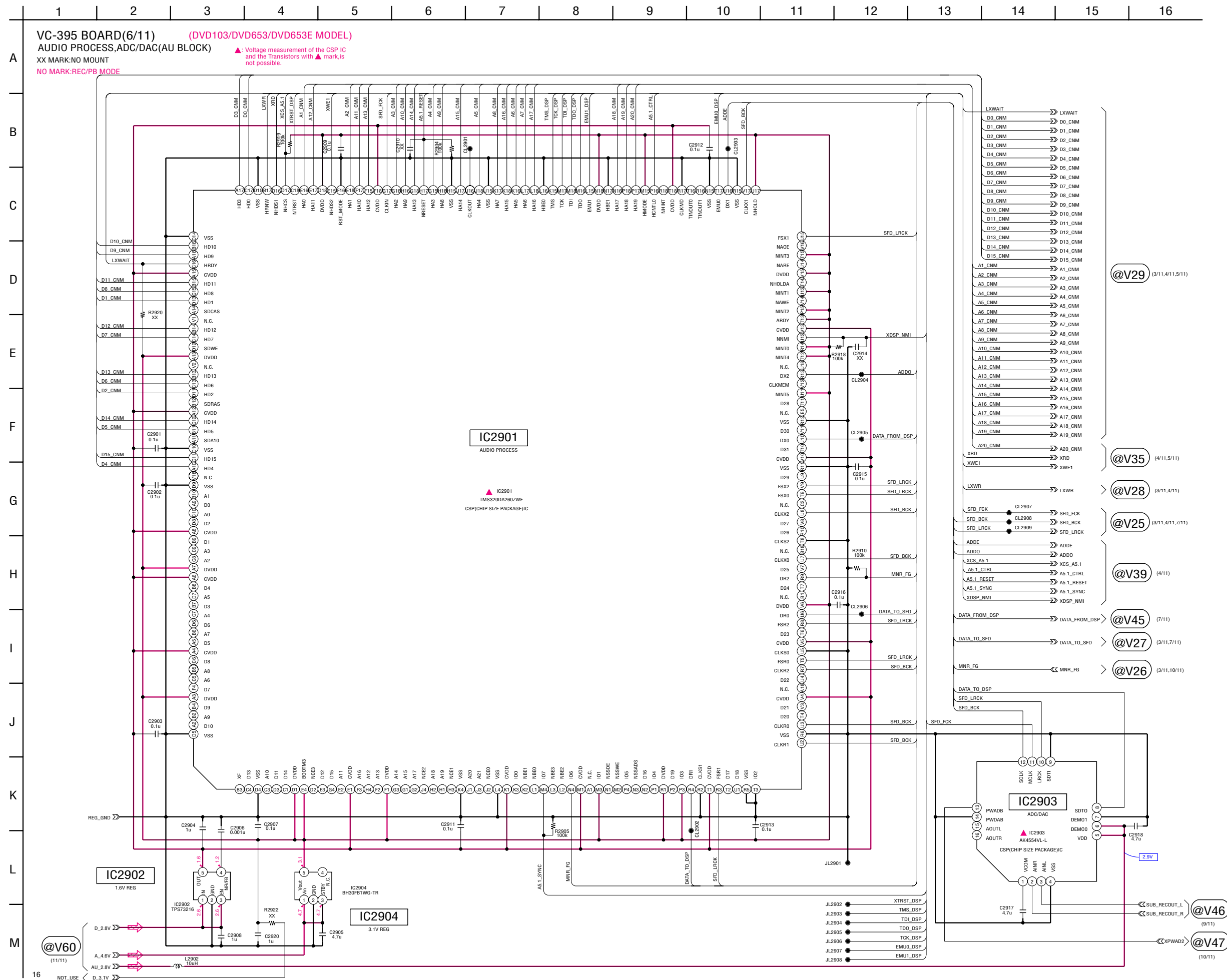
For Schematic Diagram

• Refer to page 4-87 for printed wiring board.



For Schematic Diagram

• Refer to page 4-87 for printed wiring board.



For Schematic Diagram

Refer to page 4-87 for printed wiring board.

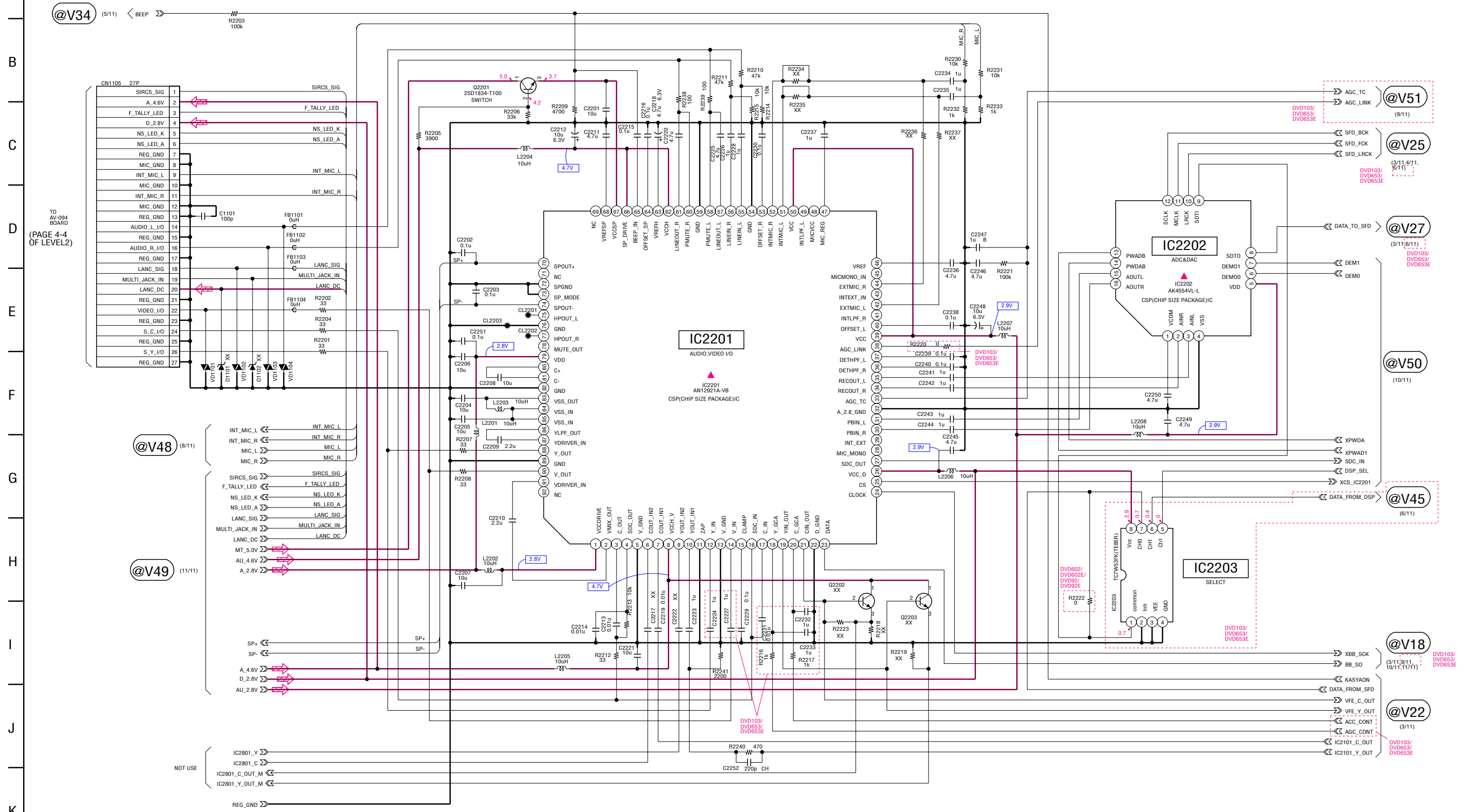
VC-395 BOARD(7/11)

AUDIO,VIDEO I/O,ADC/DAC(AU I/O BLOCK)

XX MARK:NO MOUNT

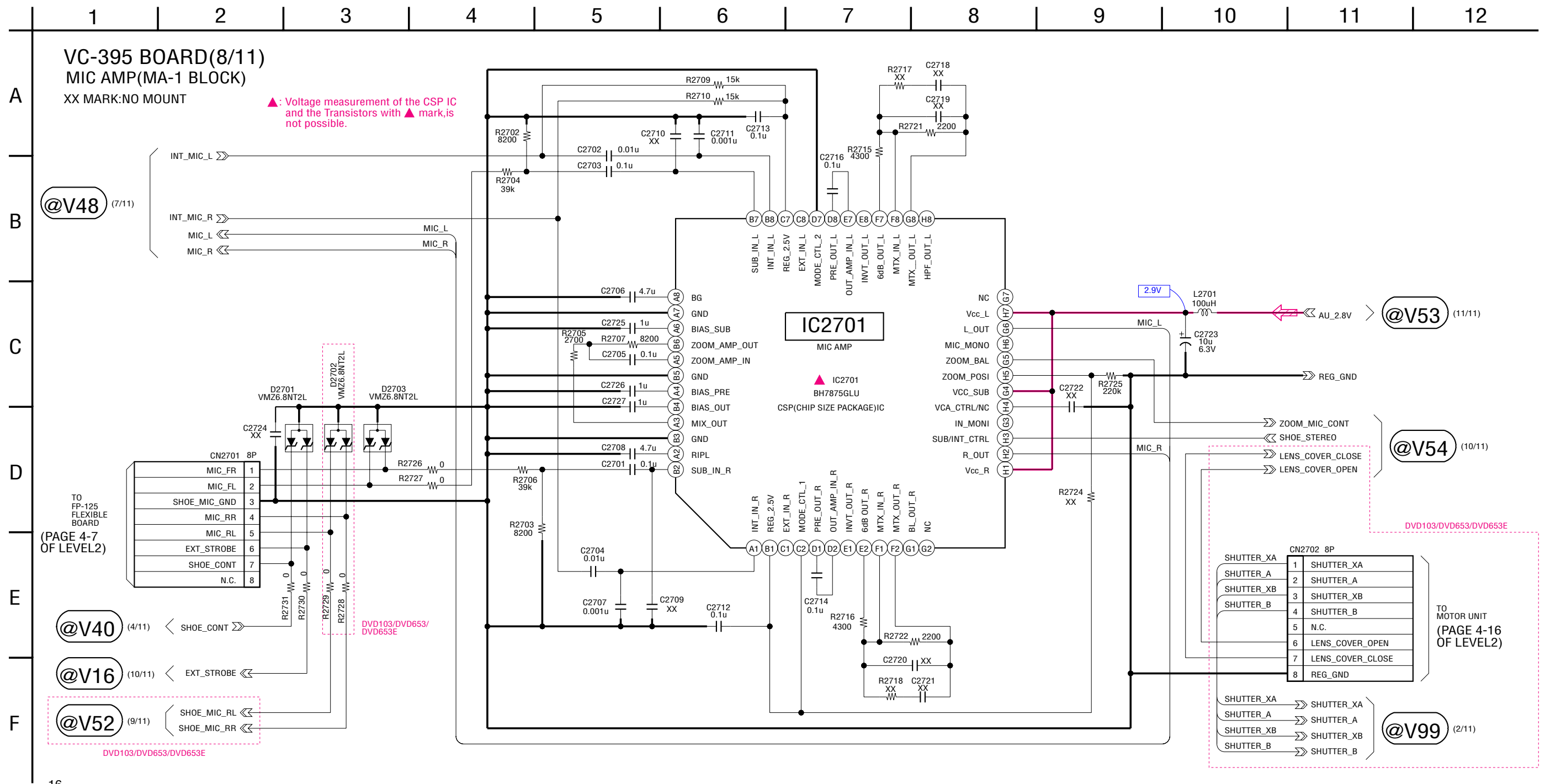
NO MARK:REC/PB MODE

▲ : Voltage measurement of the CSP IC and the Transistors with ▲ mark, is not possible.



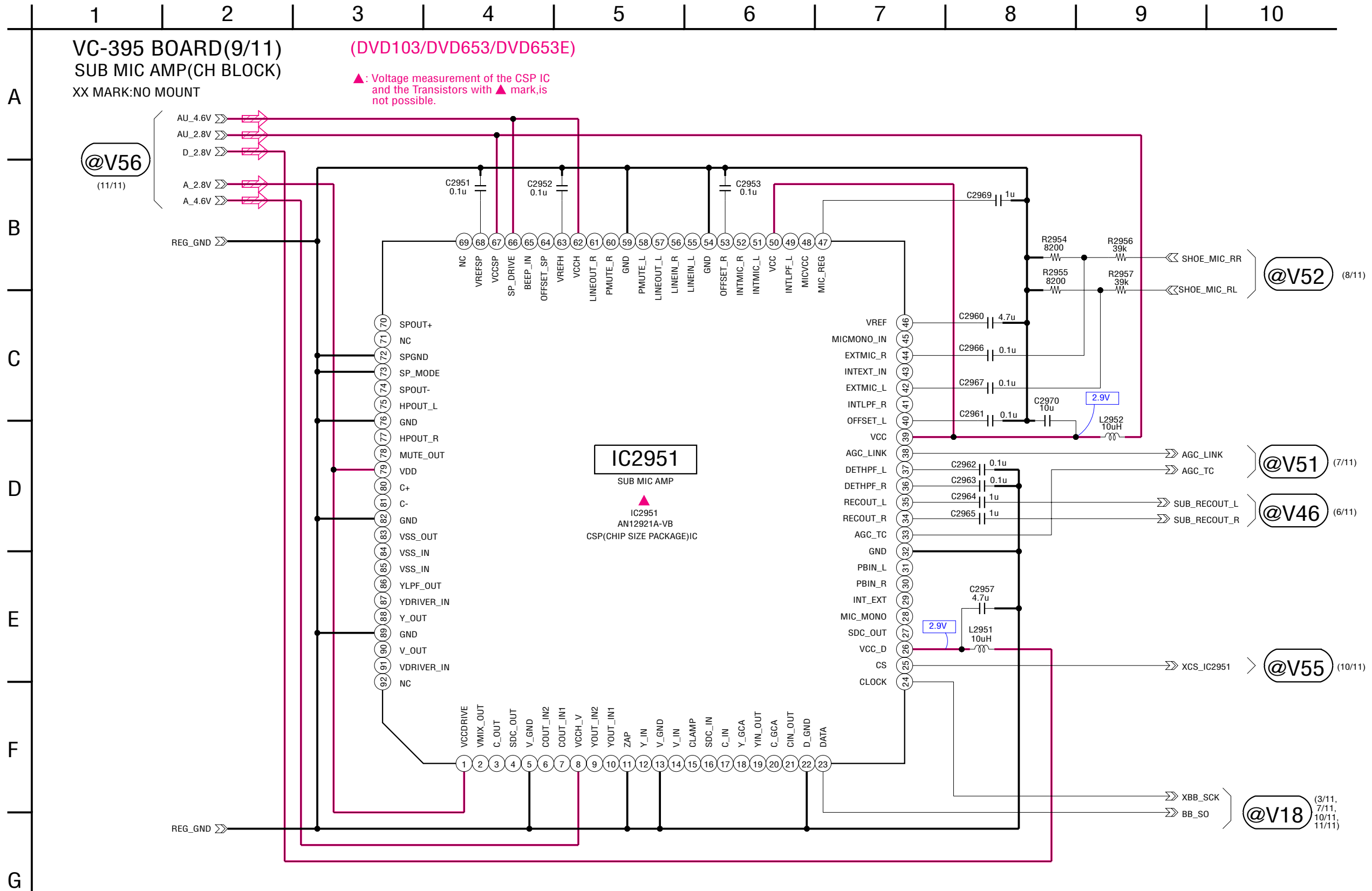
For Schematic Diagram

• Refer to page 4-87 for printed wiring board.



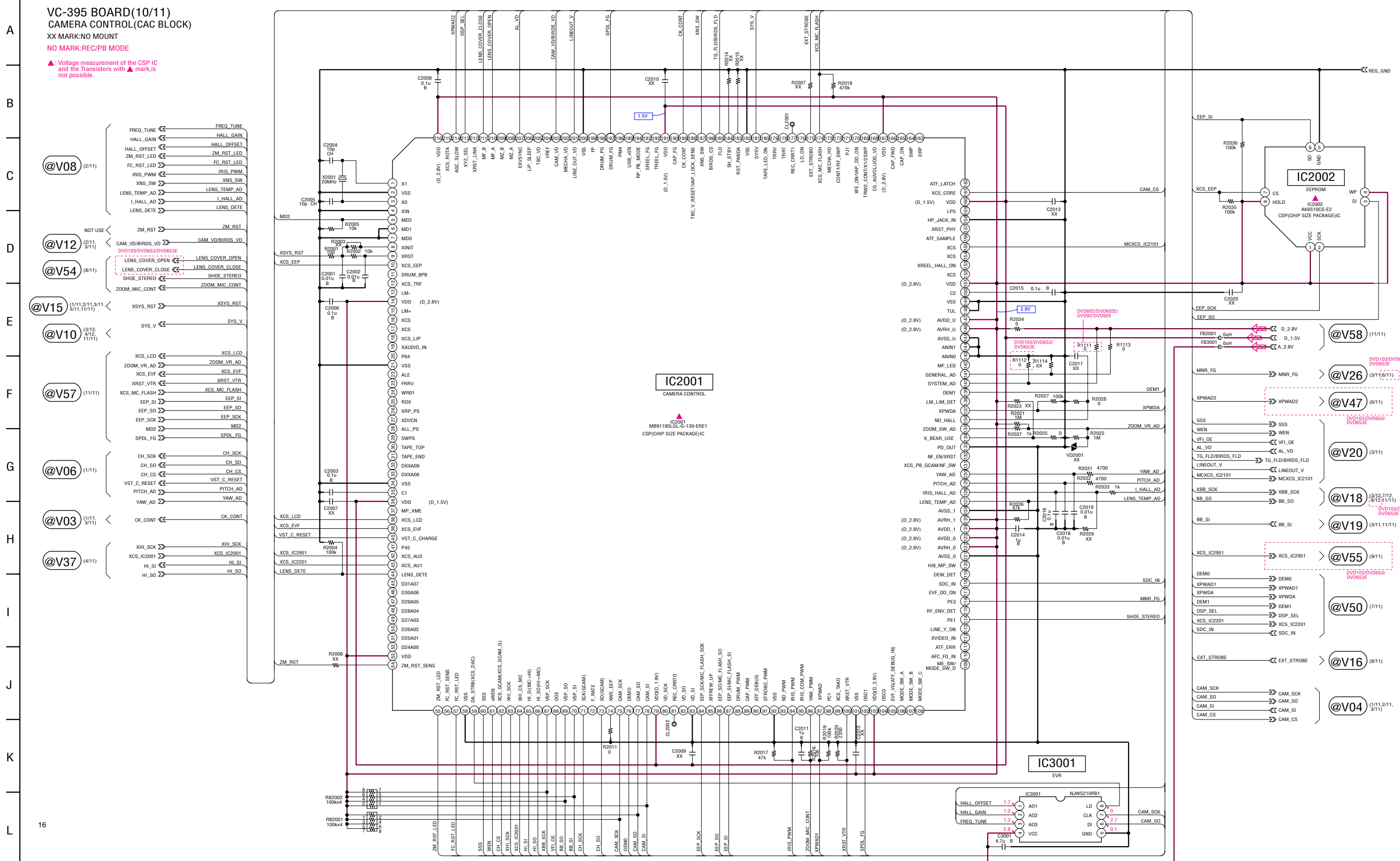
For Schematic Diagram

• Refer to page 4-87 for printed wiring board.



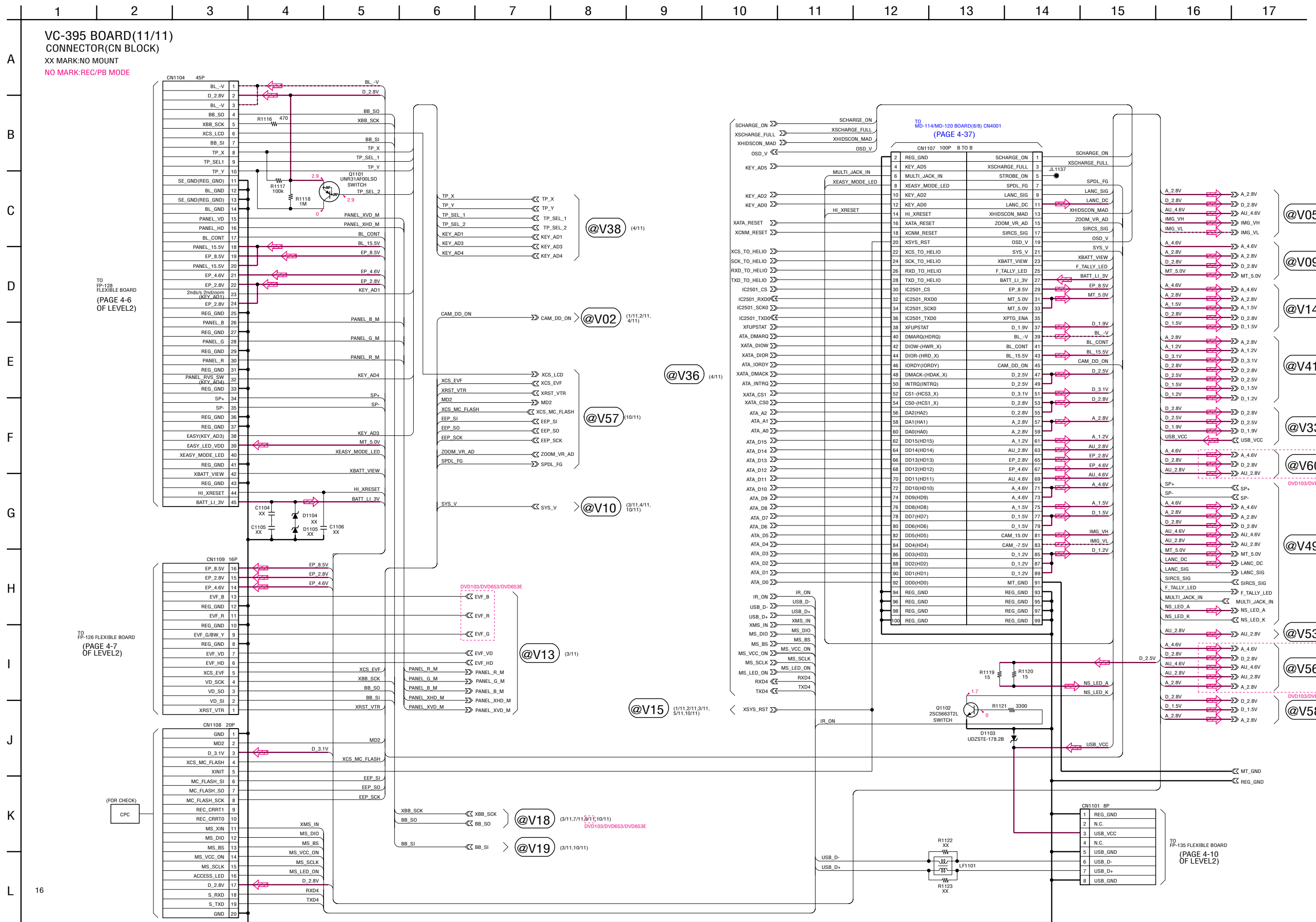
For Schematic Diagram
• Refer to page 4-87 for printed wiring board.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19



For Schematic Diagram

• Refer to page 4-87 for printed wiring board.



4-2. PRINTED WIRING BOARDS

Link

• CD-563 BOARD (SIDE A)	• MD-120 BOARD (SIDE A)
• CD-563 BOARD (SIDE B)	• MD-120 BOARD (SIDE B)
• VF-166 BOARD	• VC-395 BOARD (SIDE A)
• MD-114 BOARD (SIDE A)	• VC-395 BOARD (SIDE B)
• MD-114 BOARD (SIDE B)	

• COMMON NOTE FOR PRINTED WIRING BOARDS	
• WAVEFORMS	• MOUNTED PARTS LOCATION

NAME	FUNCTION
AV-094	AV MULTI CONN., SIRCS
CD-563	CCD IMAGER, TG, PITCH/YAW SENSOR AMP
CK-148	FUNCTION KEY, RELAY
FP-132	EJECT
FP-234	PANEL REVERSE
MD-114 MD-120	BATTERY IN, CHARGE, DC/DC CONVERTER, HI CONTROL, REC/PB RF AMP, DSP, SHOCK SENSOR AMP, SDRAM, MECHA CONTROL CPU, 16MBIT FLASH MEMORY, MECHA DRIVE, CONNECTOR
PD-251	LCD DRIVER
SW-442	FUNCTION KEY
VC-395	CAMERA A/D CONV., LENS DRIVE, VIDEO SIGNAL PROCESS, DVD SYSTEM CONTROL, 256M/128M SDRAM, 64M FLASH ROM, AUDIO PROCESS, ADC/DAC, AUDIO, VIDEO I/O, ADC/DAC, MIC AMP, SUB MIC AMP, CAMERA CONTROL, CONNECTOR
VF-166	EVF DRIVER




There are two types of the MD board of this model.
One is the MD-114 board and the other is the MD-120 board.
Method of identifying the two different MD boards is shown on page 3.

4-2. PRINTED WIRING BOARDS

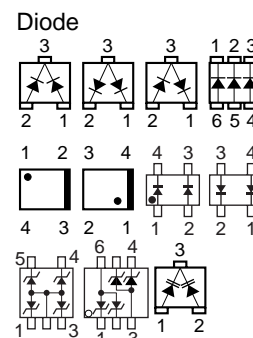
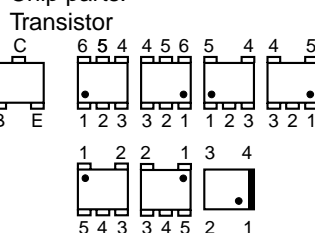
THIS NOTE IS COMMON FOR WIRING BOARDS

(In addition to this, the necessary note is printed in each block)

(For printed wiring boards)

-  : Uses unleaded solder.
-  : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated)
- Through hole is omitted.
- Circled numbers refer to waveforms.
- There are a few cases that the part printed on diagram isn't mounted in this model.
-  : panel designation


• Chip parts.

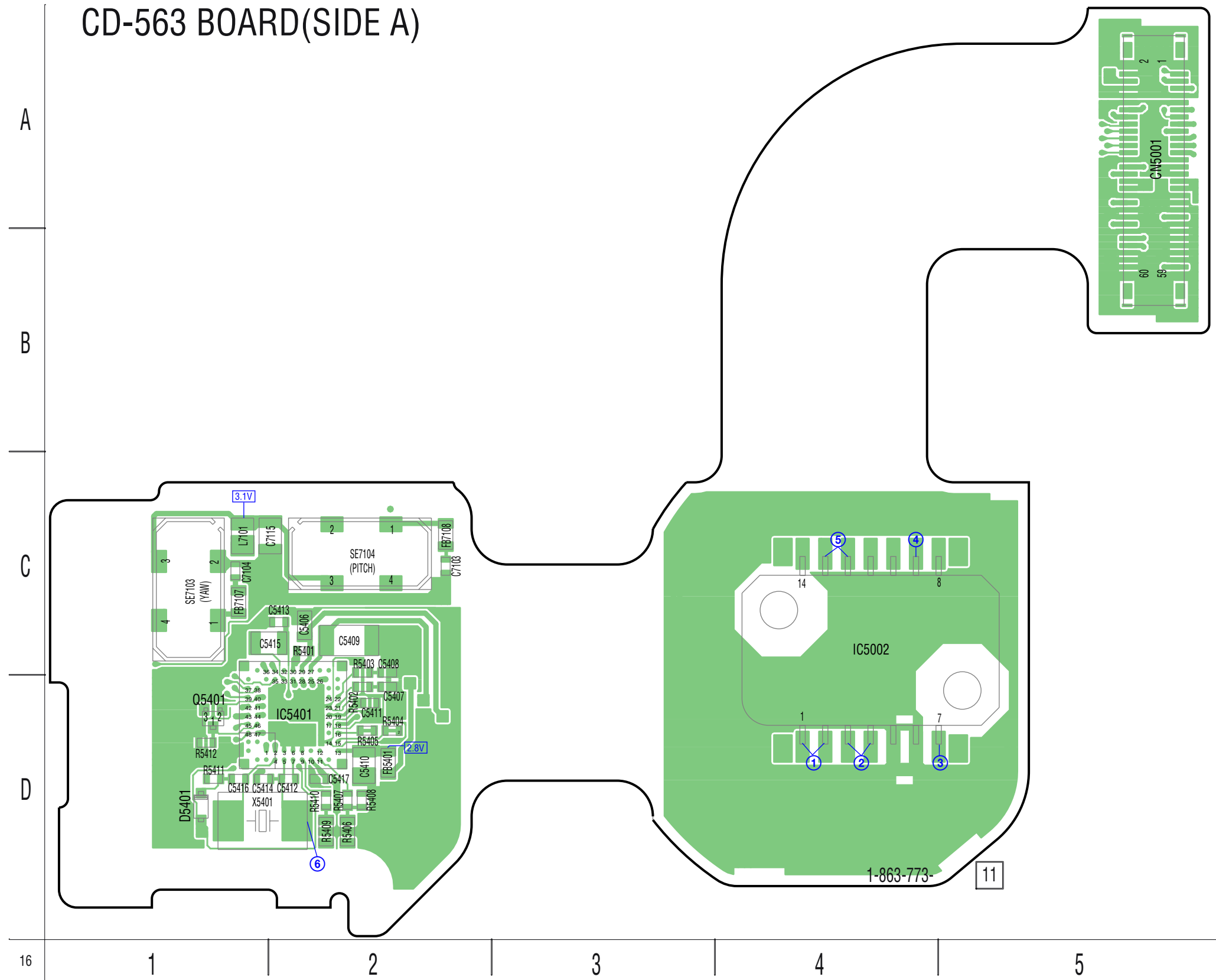



BOARD INFORMATION

board name	waveforms (shown on page)	parts location (shown on page)	pattern	
			number of layers	layers not shown
AV-094	—	—	4	2 to 3
CK-148	—	4-93	2	—
FP-125	—	—	2	2
FP-128	—	—	1	—
FP-132	—	—	1	—
FP-133	—	—	1	—
FP-135	—	—	1	—
FP-136	—	—	1	—
FP-234	—	—	1	—
FP-211	—	—	1	—
FP-228	—	—	1	—
PD-251	4-91	4-93	2	—
SW-442	—	—	2	—
CD-563	4-92	4-94	6	2 to 5
VF-166	4-92	4-94	6	2 to 5
MD-114	4-92	4-94, 95	8	2 to 7
MD-120	4-92	4-95, 96	8	2 to 7
VC-395	4-92	4-96, 97	8	2 to 7

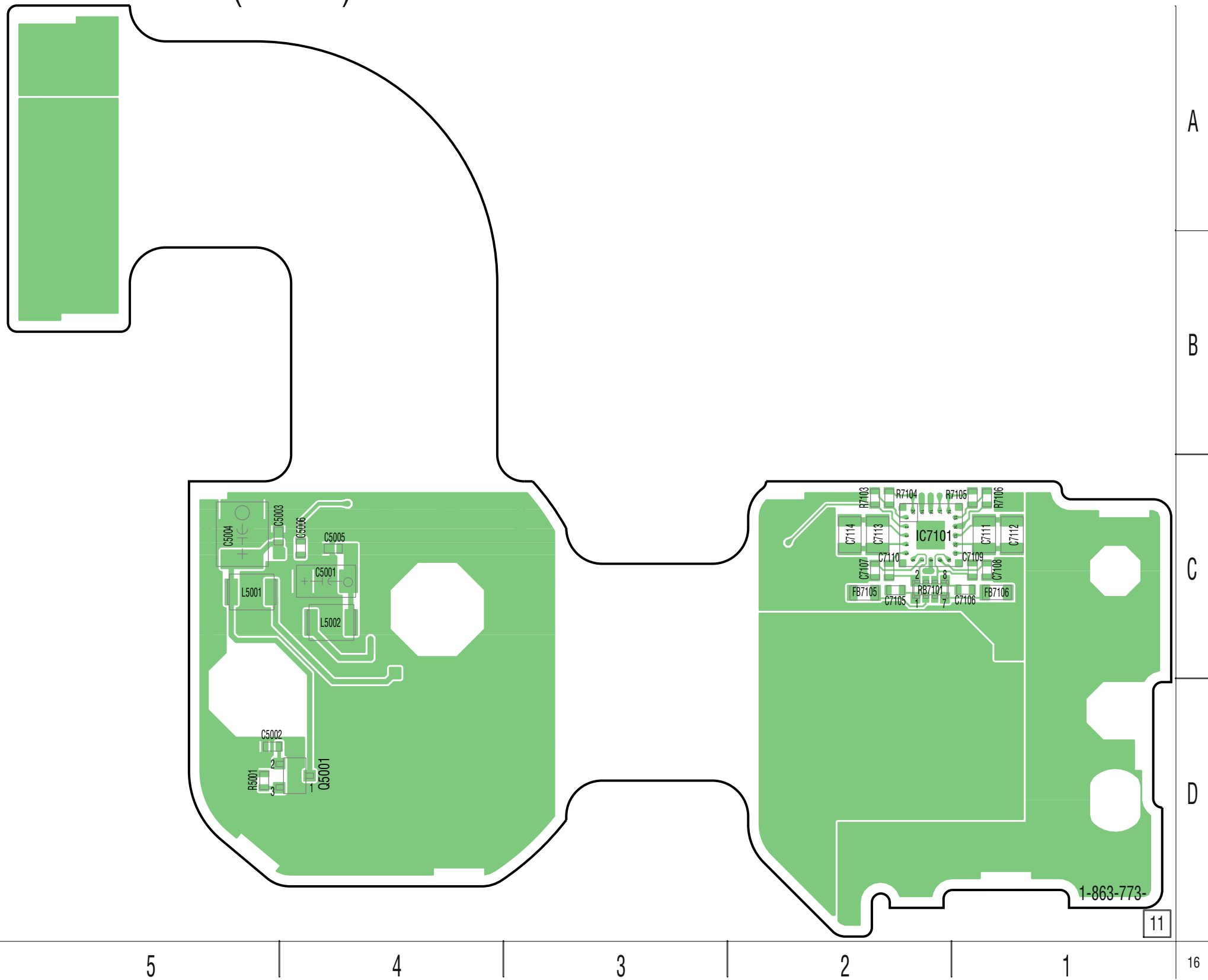
4-2. PRINTED WIRING BOARDS


- Refer to page 4-61 for common note for printed wiring board.
-  : Uses unleaded solder.

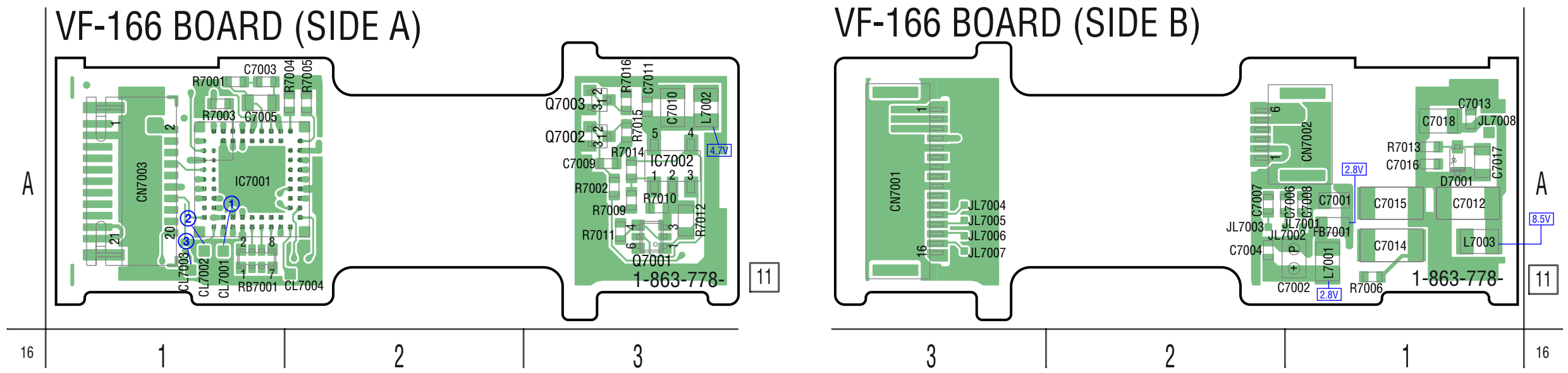



• Refer to page 4-61 for common note for printed wiring board. •  : Uses unleaded solder.

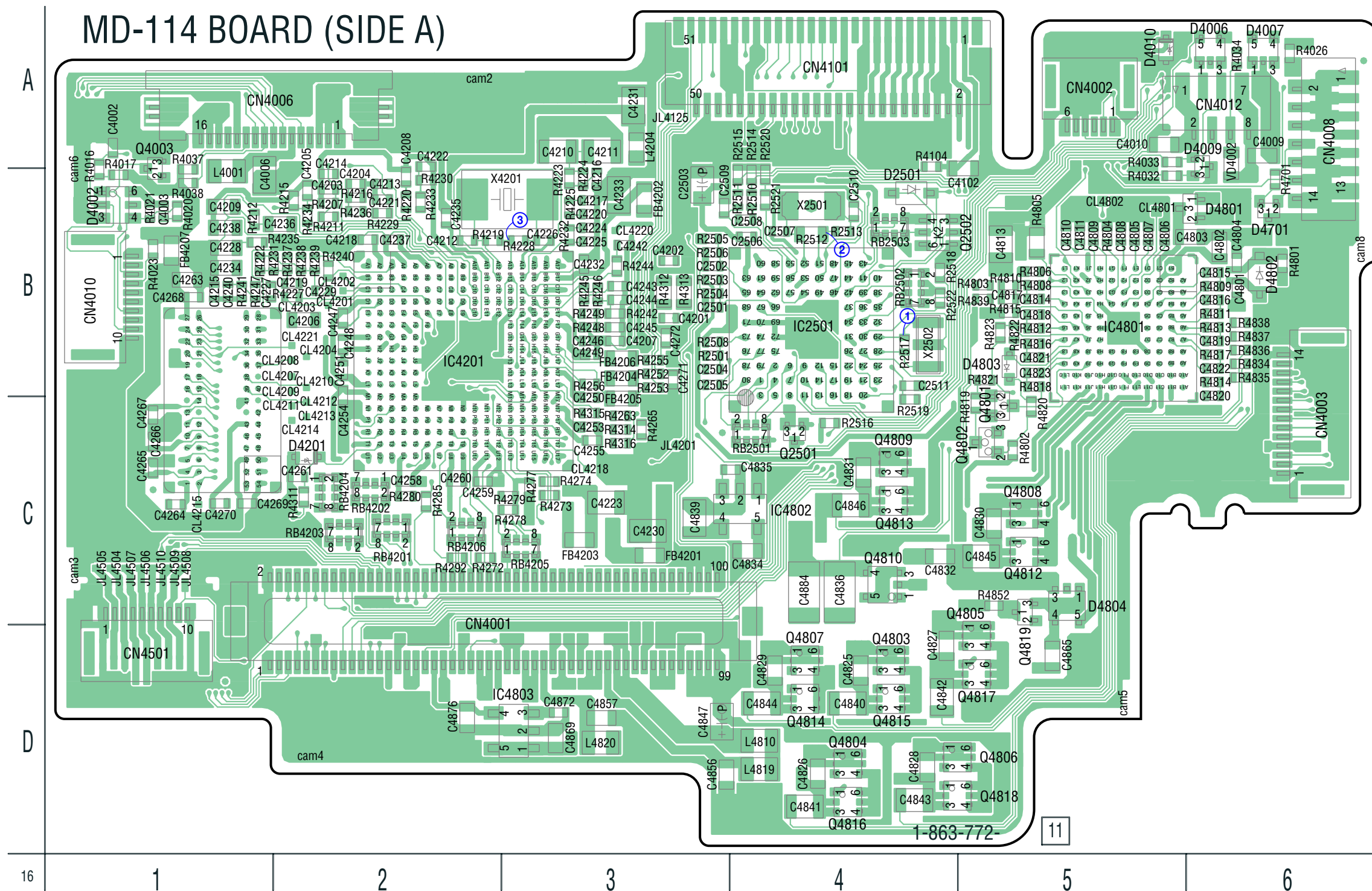
CD-563 BOARD(SIDE B)




- Refer to page 4-61 for common note for printed wiring board.
-  : Uses unleaded solder.

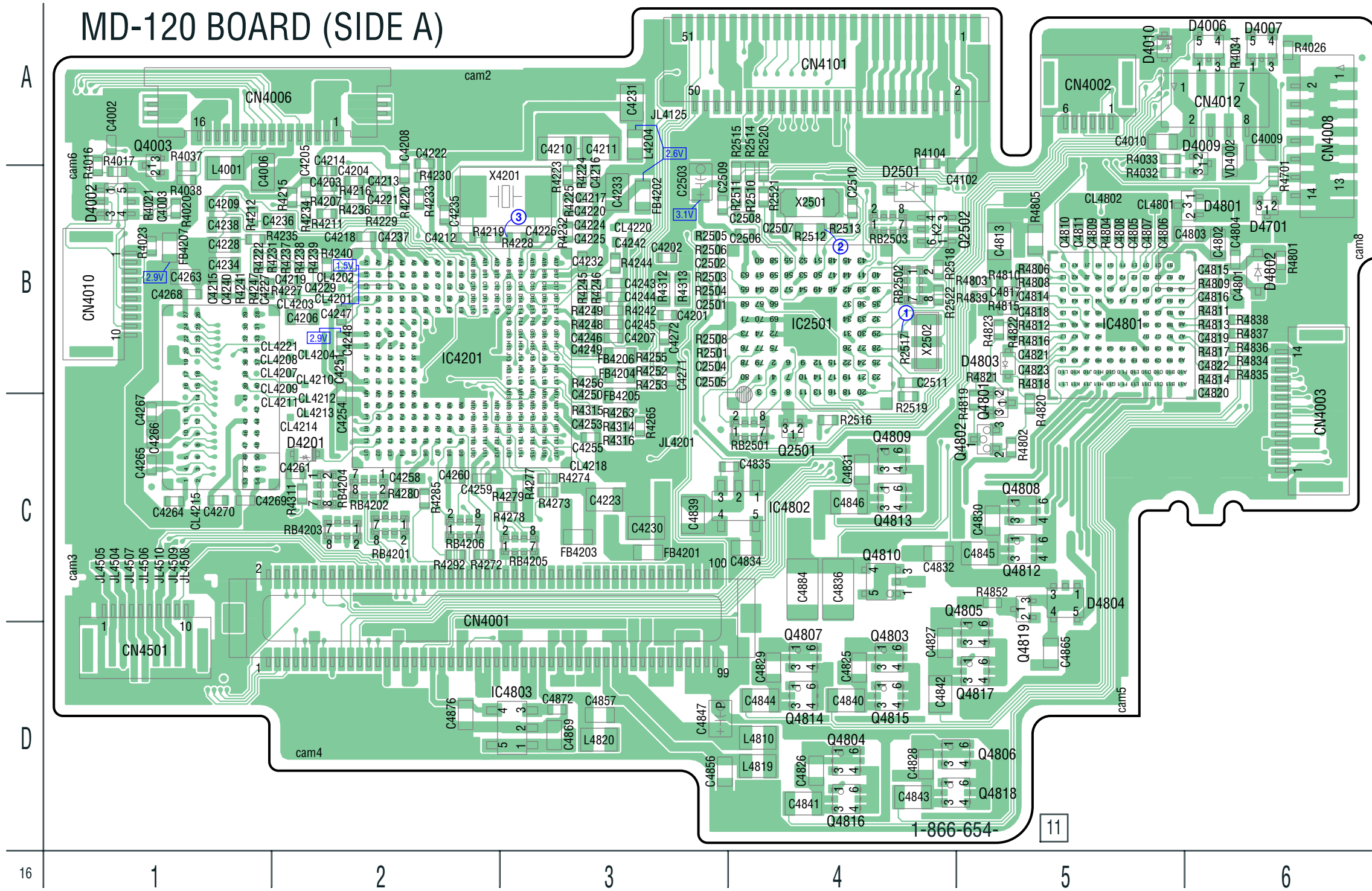



• Refer to page 4-61 for common note for printed wiring board. •  : Uses unleaded solder.



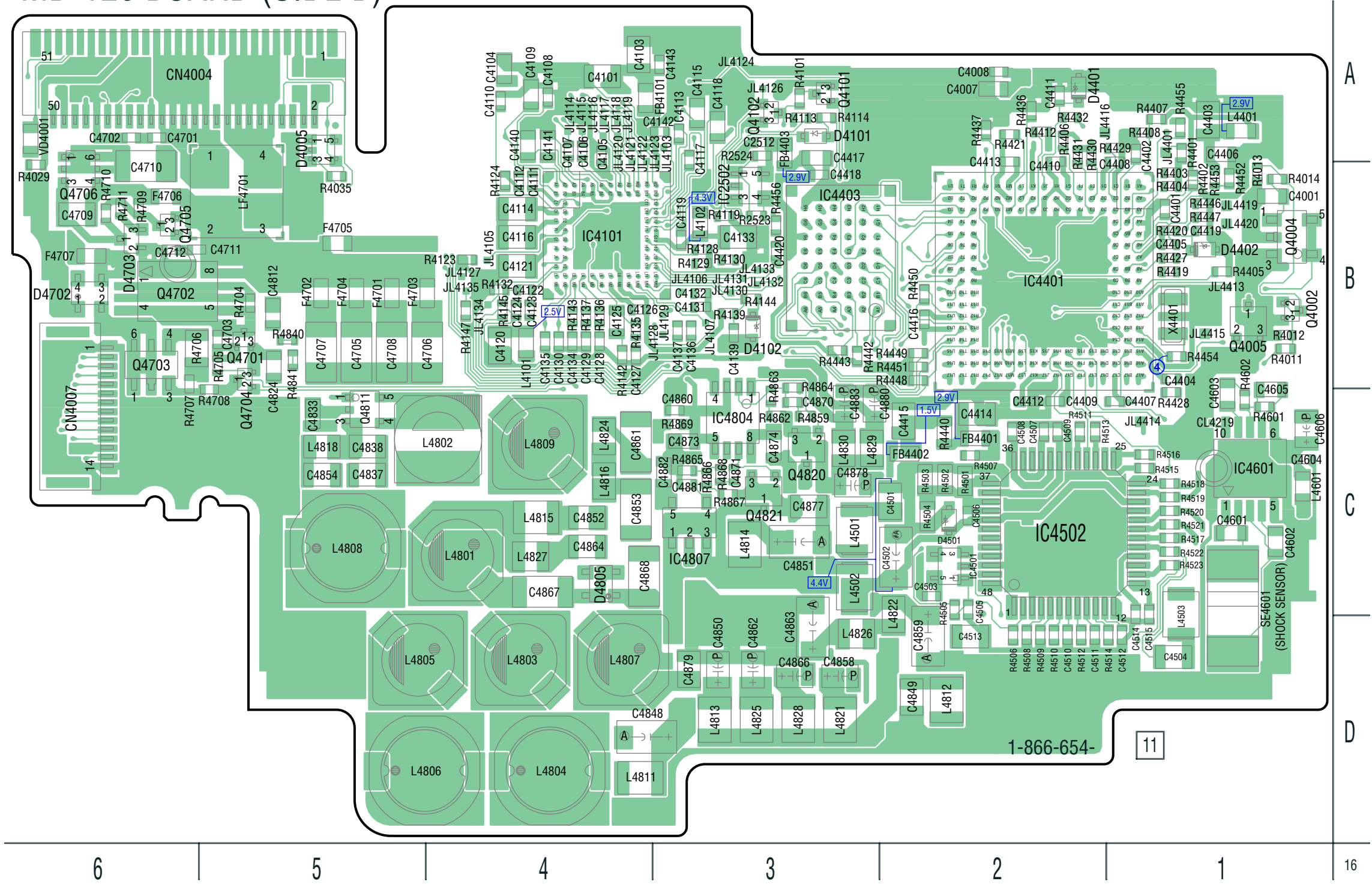
• Refer to page 4-61 for common note for printed wiring board.


•  : Uses unleaded solder.



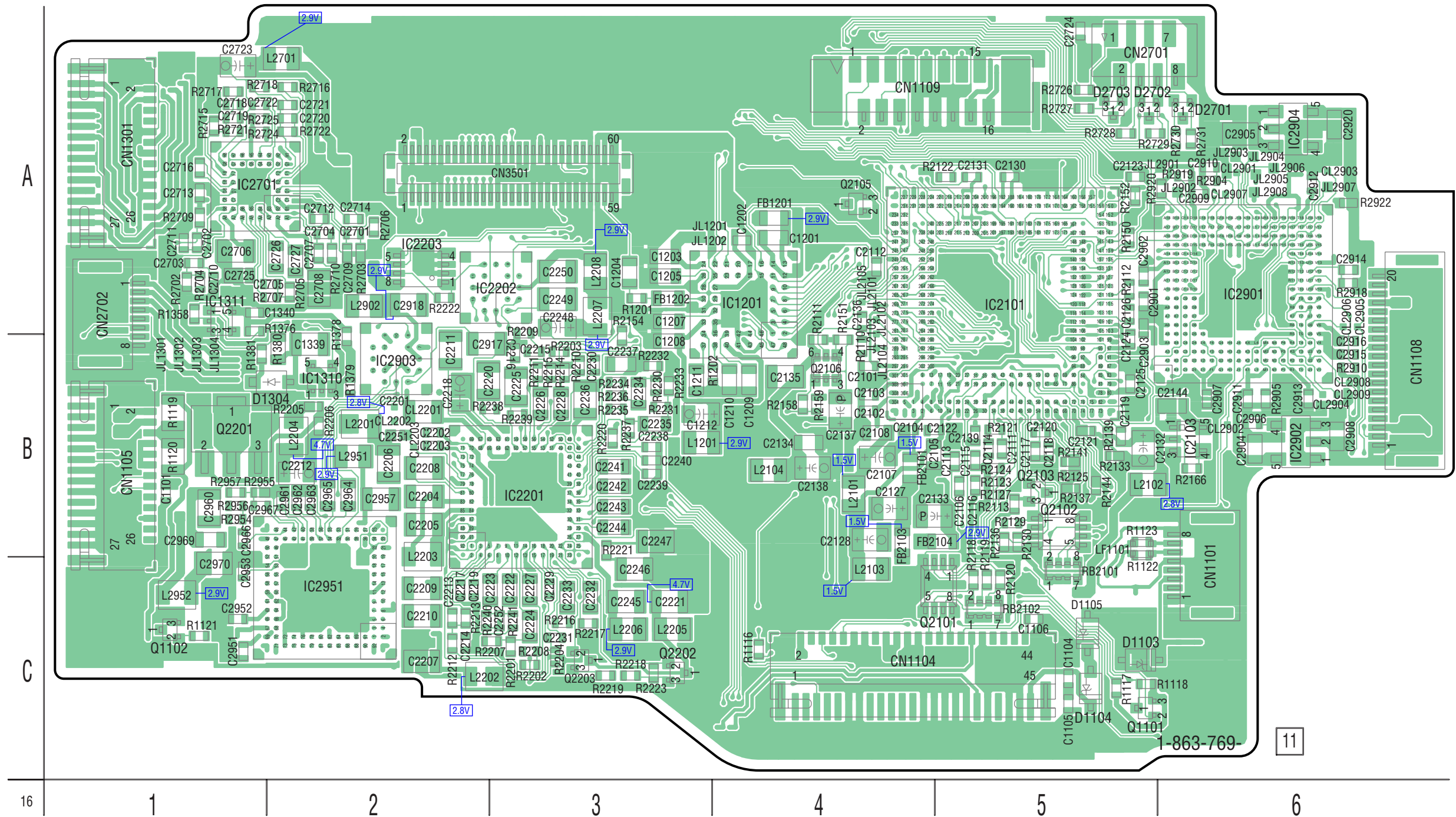
• Refer to page 4-61 for common note for printed wiring board. •  : Uses unleaded solder.


MD-120 BOARD (SIDE B)



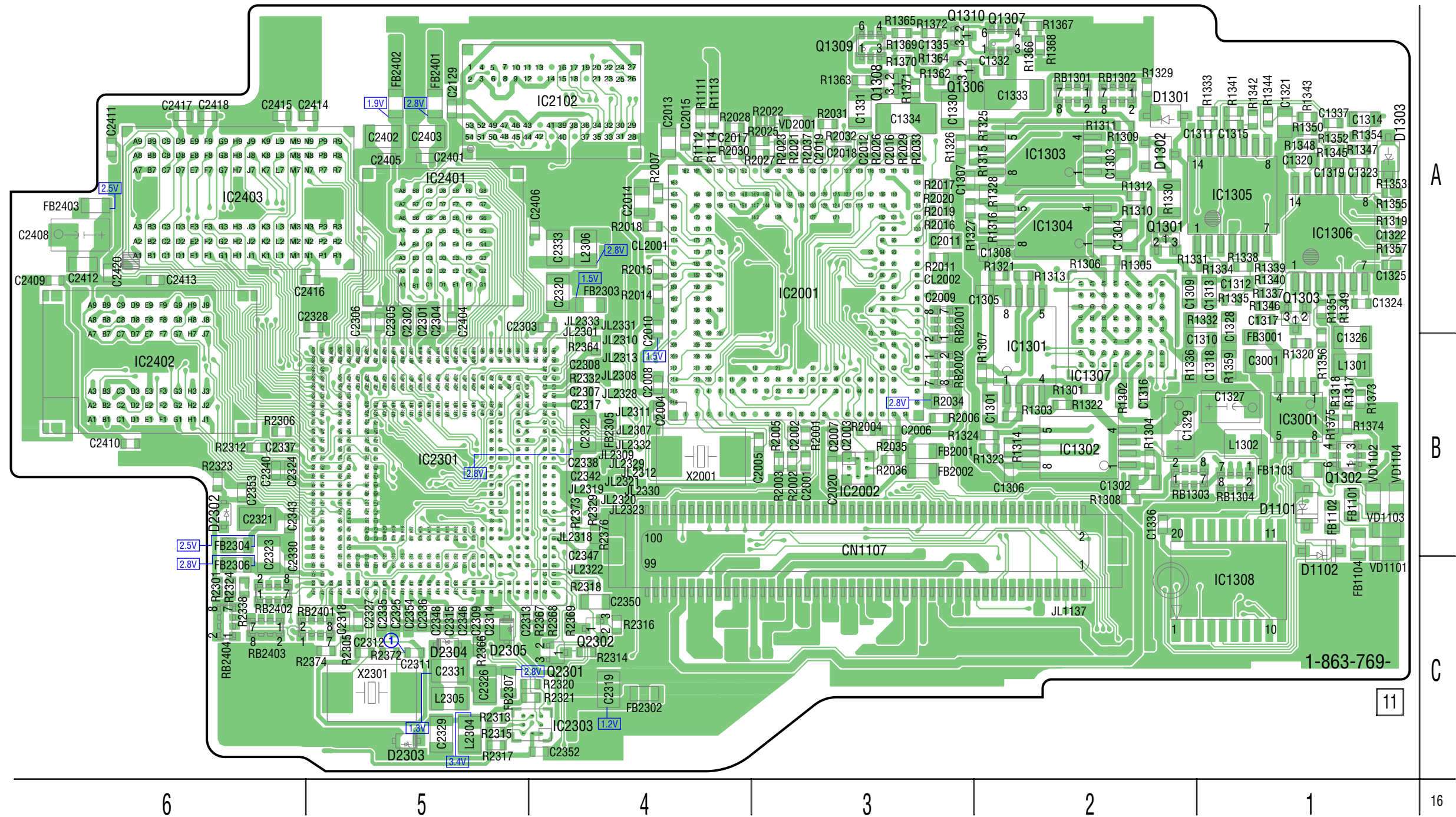
• Refer to page 4-61 for common note for printed wiring board. •  : Uses unleaded solder.

VC-395 BOARD (SIDE A)



• Refer to page 4-61 for common note for printed wiring board. •  : Uses unleaded solder.

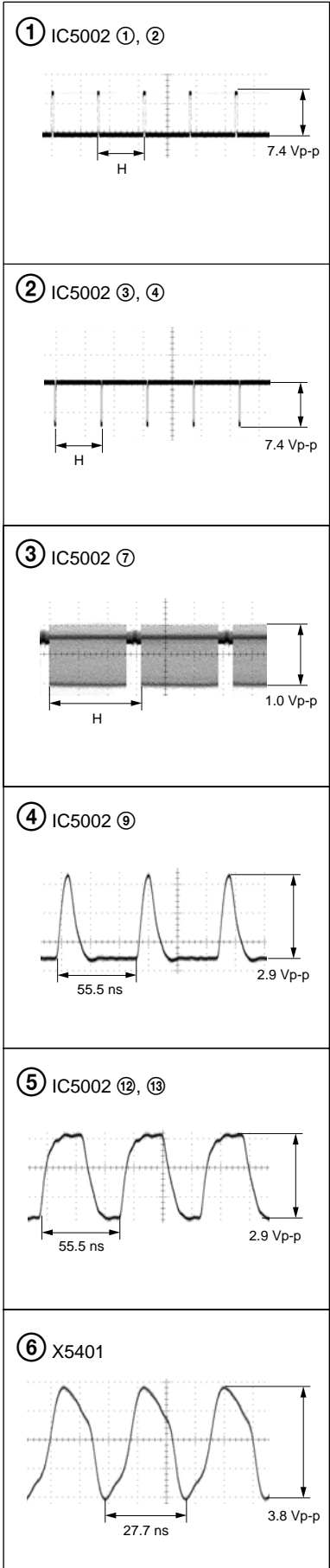
VC-395 BOARD (SIDE B)



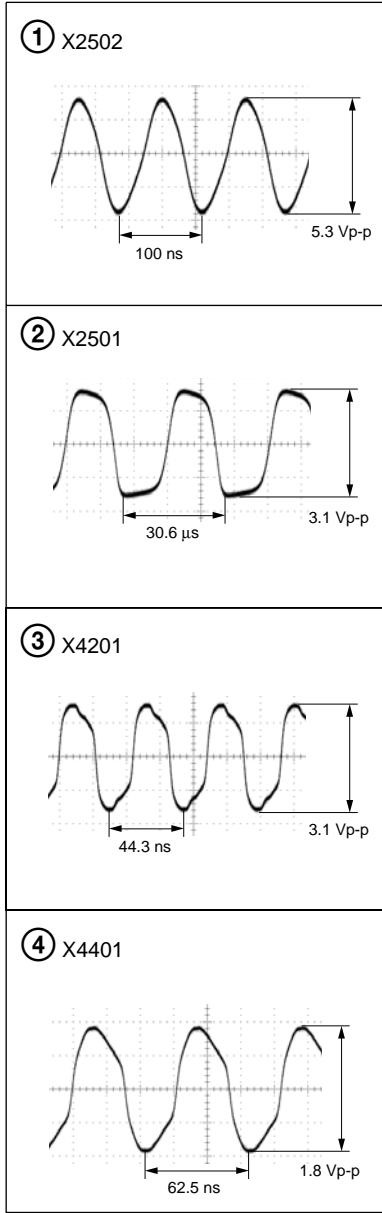
4-2. PRINTED WIRING BOARDS

4-3. WAVEFORMS

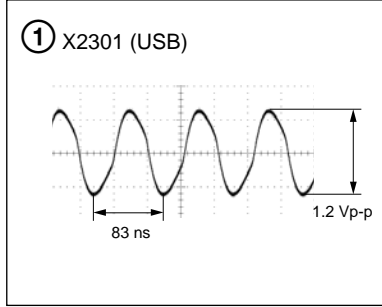
CD-563 BOARD



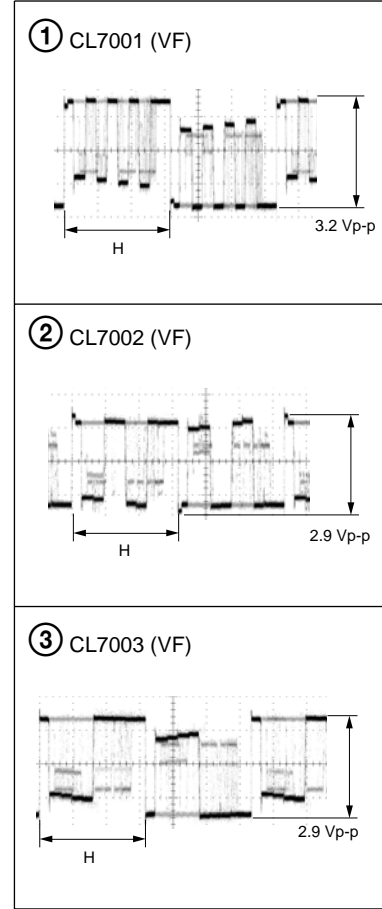
MD-114/MD-120 BOARD



VC-395 BOARD



VF-166 BOARD



4-2. PRINTED WIRING BOARDS

4-4. MOUNTED PARTS LOCATION

no mark : side A
* mark : side B

CD-563 BOARD

VF-166 BOARD

MD-114 BOARD

* C5001 C-4	* C7001 A-1	C2501 B-3	C4223 C-3	* C4602 C-1	* C4870 C-3	FB4207 B-1
* C5002 D-5	* C7002 A-1	C2502 B-3	C4224 B-3	* C4603 C-1	* C4871 C-3	* FB4401 C-2
* C5003 C-5	C7003 A-1	C2503 B-3	C4225 B-3	* C4604 C-1	C4872 D-3	* FB4402 C-2
* C5004 C-5	* C7004 A-2	C2504 B-3	C4226 B-3	* C4605 B-1	* C4873 C-3	* FB4403 A-3
* C5005 C-4	C7005 A-1	C2505 B-3	C4227 B-1	* C4606 C-1	* C4874 C-3	* FB4701 B-5
* C5006 C-4	* C7006 A-1	C2506 B-4	C4228 B-1	* C4701 A-6	C4876 D-2	* FB4702 B-5
C5406 C-2	* C7007 A-2	C2507 B-4	C4229 B-2	* C4702 A-6	* C4877 C-3	
C5407 D-2	* C7008 A-1	C2508 B-4	C4230 C-3	* C4703 B-5	* C4878 C-3	IC2501 B-4
C5408 C-2	C7009 A-3	C2509 B-3	C4231 A-3	* C4705 B-5	* C4879 D-3	* IC2502 B-3
C5409 C-2	C7010 A-3	C2510 B-4	C4232 B-3	* C4706 B-4	* C4880 C-2	* IC4101 B-4
C5410 D-2	C7011 A-3	C2511 B-4	C4233 B-3	* C4707 B-5	* C4881 C-3	IC4201 B-2
C5411 D-2	* C7012 A-1	* C2512 A-3	C4234 B-1	* C4708 B-5	* C4882 C-3	* IC4401 B-2
C5412 D-2	* C7013 A-1	* C4001 B-1	C4235 B-2	* C4709 B-6	* C4883 C-3	* IC4403 B-3
C5413 C-2	* C7014 A-1	C4002 A-1	C4236 B-2	* C4710 B-6	C4884 C-4	* IC4501 C-2
C5414 D-1	* C7015 A-1	C4003 B-1	C4237 B-1	* C4711 B-5		* IC4502 C-2
C5415 C-2	* C7016 A-1	C4006 B-1	C4238 B-2	* C4712 B-6	cam2 A-2	* IC4601 C-1
C5416 D-1	* C7017 A-1	* C4007 A-2	C4240 B-1	C4801 B-6	cam3 C-1	IC4801 B-5
C5417 D-2	* C7018 A-1	* C4008 A-2	C4242 B-3	C4802 B-6	cam4 D-2	IC4802 C-4
C7103 C-2		C4009 A-6	C4243 B-3	C4803 B-6	cam5 D-5	IC4803 D-3
C7104 C-1	CL7001 A-1	C4010 A-5	C4244 B-3	C4804 B-6	cam6 A-1	* IC4804 C-3
* C7105 C-2	CL7002 A-1	* C4101 A-4	C4245 B-3	C4805 B-5	cam8 B-6	* IC4807 C-3
* C7106 C-1	CL7003 A-1	C4102 B-5	C4246 B-3	C4806 B-5		
* C7107 C-2	CL7004 A-2	* C4103 A-4	C4247 B-2	C4807 B-5	CL4201 B-2	* JL4103 A-3
* C7108 C-1		* C4104 A-4	C4248 B-2	C4808 B-5	CL4202 B-2	* JL4105 B-4
* C7109 C-1	GN7003 A-1	* C4105 A-4	C4249 B-3	C4809 B-5	CL4203 B-2	* JL4106 B-3
* C7110 C-2		* C4106 A-4	C4250 C-3	C4810 B-5	CL4204 B-2	* JL4107 B-3
* C7111 C-1	* D7001 A-1	* C4107 A-4	C4251 B-2	C4811 B-5	CL4207 B-2	* JL4114 A-4
* C7112 C-1		* C4108 A-4	C4252 C-3	* C4812 B-5	CL4208 B-2	* JL4115 A-4
* C7113 C-2	* FB7001 A-1	* C4109 A-4	C4254 C-2	C4813 B-5	CL4209 B-2	* JL4116 A-4
* C7114 C-2		* C4110 A-4	C4255 C-3	C4814 B-6	CL4210 B-2	* JL4117 A-4
C7115 C-2	IC7001 A-1	* C4111 B-4	C4258 C-2	C4815 B-6	CL4211 C-1	* JL4118 A-4
	IC7002 A-3	* C4112 B-4	C4259 C-2	C4816 B-6	CL4212 C-2	* JL4119 A-4
CN5001 A-5		* C4113 A-3	C4260 C-2	C4817 B-5	CL4213 C-2	* JL4120 A-4
	* JL7001 A-1	* C4114 B-4	C4261 C-2	C4818 B-5	CL4214 C-2	* JL4121 A-4
D5401 D-1	* JL7002 A-1	* C4115 A-3	C4263 B-1	C4819 B-6	CL4215 C-1	* JL4122 A-4
	* JL7003 A-2	* C4116 B-4	C4264 C-1	C4820 B-6	CL4218 C-3	* JL4123 A-3
FB5401 D-2	* JL7004 A-3	* C4117 A-3	C4265 C-1	C4821 B-5	* CL4219 C-1	* JL4124 A-3
* FB7105 C-2	* JL7005 A-3	* C4118 A-3	C4266 C-1	C4822 B-6	CL4220 B-3	JL4125 A-3
* FB7106 C-1	* JL7006 A-3	* C4119 B-3	C4267 C-1	C4823 B-5	CL4221 B-2	* JL4126 A-3
FB7107 C-1	* JL7007 A-3	* C4120 B-4	C4268 B-1	* C4824 C-5	CL4801 B-5	* JL4127 B-4
FB7108 C-2	* JL7008 A-1	* C4121 B-4	C4269 C-1	C4825 D-4	CL4802 B-5	* JL4128 B-3
		* C4122 B-4	C4270 C-1	C4826 D-4		* JL4129 B-3
IC5002 C-4	* L7001 A-1	* C4123 B-4	C4271 B-3	C4827 D-4	CN4001 C-2	* JL4130 B-3
IC5401 D-2	L7002 A-3	* C4124 B-4	C4272 B-3	C4828 D-4	* CN4004 A-6	* JL4131 B-3
* IC7101 C-2	* L7003 A-1	* C4125 B-4	* C4401 B-1	C4829 D-4	CN4006 A-1	* JL4132 B-3
		* C4126 B-4	* C4402 A-1	C4830 C-5	CN4012 A-6	* JL4133 B-3
* L5001 C-5	Q7001 A-3	* C4127 B-4	* C4403 A-1	C4831 C-4	CN4101 A-4	* JL4134 B-4
* L5002 C-4	Q7002 A-3	* C4128 B-4	* C4404 B-1	C4832 C-4		* JL4135 B-4
L7101 C-1	Q7003 A-3	* C4129 B-4	* C4405 B-1	* C4833 C-5	D2501 B-4	JL4201 C-3
		* C4130 B-4	* C4406 A-1	C4834 C-4	D4002 B-1	* JL4401 A-1
* Q5001 D-4	R7001 A-1	* C4131 B-3	* C4407 C-1	C4835 C-4	* D4005 A-5	* JL4413 C-1
Q5401 D-1	R7002 A-3	* C4132 B-3	* C4408 A-1	C4836 C-4	D4006 A-6	* JL4414 C-1
	R7003 A-1	* C4133 B-3	* C4409 C-2	* C4837 C-5	D4007 A-6	* JL4415 B-1
* R5001 D-5	R7004 A-2	* C4134 B-4	* C4410 B-2	* C4838 C-5	D4009 A-6	* JL4416 A-1
R5401 C-2	R7005 A-2	* C4135 B-4	* C4411 A-2	C4839 C-3	D4010 A-5	* JL4419 B-1
R5402 D-2	* R7006 A-1	* C4136 B-3	* C4412 C-2	C4840 D-4	* D4101 A-3	* JL4420 B-1
R5403 C-2	R7009 A-3	* C4137 B-3	* C4413 B-2	C4841 D-4	* D4102 B-3	JL4504 C-1
R5404 D-2	R7010 A-3	* C4139 B-3	* C4414 C-2	C4842 D-4	D4201 C-2	JL4505 C-1
R5405 D-2	R7011 A-3	* C4140 A-4	* C4415 C-2	C4843 D-4	* D4401 A-2	JL4506 C-1
R5406 D-2	R7012 A-3	* C4141 A-4	* C4416 B-2	C4844 D-4	* D4402 B-1	JL4507 C-1
R5407 D-2	* R7013 A-1	* C4142 A-3	* C4417 A-3	C4845 C-5	D4701 B-6	JL4508 C-1
R5408 D-2	R7014 A-3	* C4143 A-3	* C4418 B-3	C4846 C-4	* D4702 B-6	JL4509 C-1
R5409 D-2	R7015 A-3	C4201 B-3	* C4419 B-1	C4847 D-3	* D4703 B-6	JL4510 C-1
R5410 D-2	R7016 A-3	C4202 B-3	* C4420 B-3	* C4848 D-3	D4801 B-6	* JL4511 D-2
R5411 D-1		C4203 B-2	* C4501 C-2	* C4849 D-2	D4802 B-6	* JL4512 C-2
R5412 D-1	RB7001 A-1	C4204 B-2	* C4502 C-2	* C4850 D-3	D4803 B-5	* JL4513 C-1
* R7103 C-2		C4205 A-2	* C4503 C-2	* C4851 C-3	D4804 C-5	* JL4514 C-1
* R7104 C-2		C4206 B-2	* C4504 C-2	* C4852 C-4	* D4805 C-4	* JL4515 C-1
* R7105 C-1		C4207 B-3	* C4505 C-2	* C4853 C-4		* JL4516 C-1
* R7106 C-1		C4208 A-2	* C4506 C-2	* C4854 C-5	* F4701 B-5	* JL4517 C-1
		C4209 B-1	* C4507 C-2	C4856 D-3	* F4702 B-5	* JL4518 C-1
* RB7101 C-2		C4210 A-3	* C4508 C-2	C4857 D-3	* F4703 B-5	
		C4211 A-3	* C4509 C-1	* C4858 D-3	* F4704 B-5	L4001 B-1
SE7103 C-1		C4212 B-2	* C4510 C-2	* C4859 D-2	* F4705 B-5	* L4101 B-4
SE7104 C-2		C4213 B-2	* C4511 D-2	* C4860 C-3	* F4706 B-6	* L4102 B-3
		C4214 A-2	* C4512 D-2	* C4861 C-4	* F4707 B-6	L4204 A-3
X5401 D-1		C4215 B-1	* C4513 C-2	* C4862 D-3		* L4401 A-1
		C4216 B-3	* C4514 C-2	* C4863 D-3	* FB4101 A-3	* L4501 C-3
		C4217 B-3	* C4515 C-2	* C4864 C-4	FB4201 C-3	* L4502 C-3
		C4218 B-2	* C4516 C-2	C4865 D-5	FB4202 B-3	* L4503 C-1
		C4219 B-2	* C4517 C-2	* C4866 D-3	FB4203 C-3	* L4601 C-1
		C4220 B-3	* C4518 C-2	* C4867 C-4	FB4204 B-3	* L4801 C-4
		C4221 B-2	* C4521 D-1	* C4868 C-4	FB4205 C-3	* L4802 C-4
		C4222 A-2	* C4601 C-1	C4869 D-3	FB4206 B-3	* L4803 D-4

— Continued on next page —

4-2. PRINTED WIRING BOARDS

no mark : side A
* mark : side B

MD-114 BOARD

* L4804 D-4	* R4012 B-1	R4311 C-2
* L4805 D-4	* R4013 B-1	R4312 B-3
* L4806 D-4	* R4014 B-1	R4313 B-3
* L4807 D-4	* R4016 A-1	R4314 C-3
* L4808 C-5	R4017 A-1	R4315 C-3
* L4809 C-4	R4020 B-1	R4316 C-3
L4810 D-4	R4021 B-1	* R4401 A-1
* L4811 D-3	R4023 B-1	* R4402 B-1
* L4812 D-2	R4026 A-6	* R4403 B-1
* L4813 D-3	* R4029 B-6	* R4404 B-1
* L4814 C-3	R4032 B-5	* R4405 B-1
* L4815 C-4	R4033 A-5	* R4406 A-2
* L4816 C-4	R4034 A-6	* R4407 A-1
* L4818 C-5	* R4035 B-5	* R4408 A-1
L4819 D-4	R4037 A-1	* R4412 A-2
L4820 D-3	R4038 B-1	* R4419 B-1
* L4821 D-3	* R4101 A-3	* R4420 B-1
* L4822 C-2	R4104 A-4	* R4421 A-2
* L4824 C-4	* R4113 A-3	* R4427 B-1
* L4825 D-3	* R4114 A-3	* R4428 C-1
* L4826 D-3	* R4119 B-3	* R4429 A-1
* L4827 C-4	* R4123 B-4	* R4430 A-2
* L4828 D-3	* R4124 B-4	* R4431 A-2
* L4829 C-3	* R4128 B-3	* R4432 A-2
* L4830 C-3	* R4129 B-3	* R4436 A-2
	* R4130 B-3	* R4437 A-2
	* R4132 B-4	* R4440 C-2
Q2501 C-4	* R4135 B-4	* R4442 B-3
Q2502 B-5	* R4136 B-4	* R4443 B-3
* Q4002 B-1	* R4137 B-4	* R4446 B-1
Q4003 A-1	* R4139 B-3	* R4447 B-1
* Q4004 B-1	* R4142 B-4	* R4448 B-2
* Q4005 B-1	* R4143 B-4	* R4449 B-2
* Q4101 A-3	* R4144 B-3	* R4450 B-2
* Q4102 A-3	* R4145 B-4	* R4451 B-2
* Q4701 B-5	* R4147 B-4	* R4452 B-1
* Q4702 B-6	R4207 B-2	* R4453 B-1
* Q4703 B-6	R4211 B-2	* R4454 B-1
* Q4704 C-5	R4212 B-1	* R4455 A-1
* Q4705 B-6	R4215 B-2	* R4456 B-3
* Q4706 B-6	R4216 B-2	* R4505 C-2
Q4801 C-5	R4219 B-2	* R4506 C-2
Q4802 C-5	R4220 B-2	* R4507 C-2
Q4803 D-4	R4222 B-1	* R4514 C-2
Q4804 D-4	R4223 B-3	* R4515 C-2
Q4805 C-5	R4224 B-3	* R4516 C-1
Q4806 D-5	R4225 B-3	* R4517 C-1
Q4807 D-4	R4227 B-2	* R4518 C-1
Q4808 C-5	R4228 B-3	* R4519 D-1
Q4809 C-4	R4229 B-2	* R4520 D-1
Q4810 C-4	R4230 B-2	* R4521 D-1
* Q4811 C-5	R4231 B-2	* R4522 C-2
Q4812 C-5	R4232 B-3	* R4523 D-2
Q4813 C-4	R4233 B-2	* R4524 C-2
Q4814 D-4	R4234 B-2	* R4525 C-2
Q4815 D-4	R4235 B-2	* R4526 D-2
Q4816 D-4	R4236 B-2	* R4527 D-2
Q4817 D-5	R4237 B-2	* R4528 D-2
Q4818 D-5	R4238 B-2	* R4537 D-2
Q4819 D-5	R4239 B-2	* R4538 C-2
* Q4820 C-3	R4240 B-2	* R4539 C-2
* Q4821 C-3	R4241 B-1	* R4540 C-2
	R4242 B-3	* R4601 C-1
R2501 B-3	R4244 B-3	* R4602 B-1
R2503 B-3	R4245 B-3	R4701 B-6
R2504 B-3	R4246 B-3	* R4702 B-5
R2505 B-3	R4247 B-1	* R4703 B-5
R2506 B-3	R4248 B-3	* R4704 B-5
R2508 B-3	R4249 B-3	* R4705 B-5
R2510 B-4	R4252 B-3	* R4706 B-5
R2511 B-4	R4253 B-3	* R4707 C-6
R2512 B-4	R4255 B-3	* R4708 C-5
R2513 B-4	R4256 B-3	* R4709 B-6
R2514 A-4	R4263 C-3	* R4710 B-6
R2515 A-4	R4265 C-3	* R4711 B-6
R2516 C-4	R4272 C-2	R4801 B-6
R2517 B-4	R4273 C-3	R4802 C-5
R2518 B-4	R4274 C-3	R4803 B-5
R2519 C-4	R4277 C-3	R4804 B-5
R2520 A-4	R4278 C-3	R4805 B-5
R2521 B-4	R4279 C-3	R4806 B-5
R2522 B-4	R4280 C-2	R4808 B-5
* R2523 B-3	R4285 C-2	R4809 B-6
* R2524 A-3	R4292 C-2	R4810 B-5
* R4011 B-1		

MD-120 BOARD

R4811 B-6	C2501 B-3	C4223 C-3	* C4603 C-1	* C4871 C-3
R4812 B-5	C2502 B-3	C4224 B-3	* C4604 C-1	* C4872 D-3
R4813 B-6	C2503 B-3	C4225 B-3	* C4605 B-1	* C4873 C-3
R4814 B-6	C2504 B-3	C4226 B-3	* C4606 C-1	* C4874 C-3
R4815 B-5	C2505 B-3	C4227 B-1	* C4701 A-6	C4876 D-2
R4816 B-5	C2506 B-4	C4228 B-1	* C4702 A-6	* C4877 C-3
R4817 B-6	C2507 B-4	C4229 B-2	* C4703 B-5	* C4878 C-3
R4818 B-5	C2508 B-4	C4230 C-3	* C4705 B-5	* C4879 D-3
R4819 C-5	C2509 B-3	C4231 A-3	* C4706 B-4	* C4880 C-2
R4820 C-5	C2510 B-4	C4232 B-3	* C4707 B-5	* C4881 C-3
R4821 B-5	C2511 B-4	C4233 B-3	* C4708 B-5	* C4882 C-3
R4822 B-5	* C2512 A-3	C4234 B-1	* C4709 B-6	* C4883 C-3
R4823 B-5	* C4001 B-1	C4235 B-2	* C4710 B-6	C4884 C-4
R4834 B-6	C4002 A-1	C4236 B-2	* C4711 B-5	
R4835 B-6	C4003 B-1	C4237 B-2	* C4712 B-6	CL4201 B-2
R4836 B-6	C4006 B-1	C4238 B-1	C4801 B-6	CL4202 B-2
R4837 B-6	* C4007 A-2	C4240 B-1	C4802 B-6	CL4203 B-2
R4838 B-6	* C4008 A-2	C4242 B-3	C4803 B-6	CL4204 B-2
R4839 B-5	C4009 A-6	C4243 B-3	C4804 B-6	CL4207 B-2
* R4840 B-5	C4010 A-5	C4244 B-3	C4805 B-5	CL4208 B-2
* R4841 B-5	* C4101 A-4	C4245 B-3	C4806 B-5	CL4209 B-2
* R4852 C-5	C4102 B-5	C4246 B-3	C4807 B-5	CL4210 B-2
* R4859 C-3	* C4103 A-4	C4247 B-2	C4808 B-5	CL4211 C-1
* R4862 C-3	* C4104 A-4	C4248 B-2	C4809 B-5	CL4212 C-2
* R4863 C-3	* C4105 A-4	C4249 B-3	C4810 B-5	CL4213 C-2
* R4864 B-3	* C4106 A-4	C4250 C-3	C4811 B-5	CL4214 C-2
* R4865 C-3	* C4107 A-4	C4251 B-2	* C4812 B-5	CL4215 C-1
* R4866 C-3	* C4108 A-4	C4253 C-3	C4813 B-5	CL4218 C-3
* R4867 C-3	* C4109 A-4	C4254 C-2	C4814 B-5	* CL4219 C-1
* R4868 C-3	* C4110 A-4	C4255 C-3	C4815 B-6	CL4220 B-3
* R4869 C-3	* C4111 B-4	C4258 C-2	C4816 B-6	CL4221 B-2
	* C4112 B-4	C4259 C-2	C4817 B-5	CL4801 B-5
	* C4113 A-3	C4260 C-2	C4818 B-5	CL4802 B-5
	* C4114 B-4	C4261 C-2	C4819 B-6	
	* C4115 A-3	C4263 B-1	C4820 B-6	CN4001 C-2
	* C4116 B-4	C4264 C-1	C4821 B-6	* CN4004 A-6
	* C4117 A-3	C4265 C-1	C4822 B-5	CN4006 A-1
	* C4118 A-3	C4266 C-1	C4823 B-5	CN4012 A-6
	* C4119 B-3	C4267 C-1	* C4824 C-5	CN4101 A-4
	* C4120 B-4	C4268 B-1	C4825 D-4	
	* C4121 B-4	C4269 C-1	C4826 D-4	D2501 B-4
	* C4122 B-4	C4270 C-1	C4827 D-4	D4002 B-1
	* C4123 B-4	C4271 B-3	C4828 D-4	* D4005 A-5
	* C4124 B-4	C4272 B-3	C4829 D-4	D4006 A-6
	* C4125 B-4	* C4401 B-1	C4830 C-5	D4007 A-6
	* C4126 B-4	* C4402 A-1	C4831 C-4	CN4009 A-6
	* C4127 B-4	* C4403 A-1	C4832 C-4	D4010 A-5
	* C4128 B-4	* C4404 B-1	* C4833 C-5	* D4101 A-3
	* C4129 B-4	* C4405 B-1	C4834 C-4	* D4102 B-3
	* C4130 B-4	* C4406 A-1	C4835 C-4	D4201 C-2
	* C4131 B-3	* C4407 C-1	C4836 C-4	* D4401 A-1
	* C4132 B-3	* C4408 A-1	* C4837 C-5	* D4402 B-2
	* C4133 B-3	* C4409 C-2	* C4838 C-5	* D4501 C-2
	* C4134 B-4	* C4410 B-2	C4839 C-3	D4701 B-6
	* C4135 B-4	* C4411 A-2	C4840 D-4	* D4702 B-6
	* C4136 B-3	* C4412 C-2	C4841 D-4	* D4703 B-6
	* C4137 B-3	* C4413 B-2	C4842 D-4	D4801 B-6
	* C4139 B-3	* C4414 C-2	C4843 D-4	D4802 B-6
	* C4140 A-4	* C4415 C-2	C4844 D-4	D4803 B-5
	* C4141 A-4	* C4416 B-2	C4845 C-5	D4804 C-5
	* C4142 A-3	* C4417 A-3	C4846 C-4	* D4805 C-4
	* C4143 A-3	* C4418 B-3	C4847 D-3	
	C4201 B-3	* C4419 B-1	* C4848 D-3	* F4701 B-5
	C4202 B-3	* C4420 B-3	* C4849 D-2	* F4702 B-5
	C4203 B-2	* C4501 C-2	* C4850 D-3	* F4703 B-5
	C4204 B-2	* C4502 C-2	* C4851 C-3	* F4704 B-5
	C4205 A-2	* C4503 C-2	* C4852 C-4	* F4705 B-5
	C4206 B-2	* C4503 C-2	* C4853 C-4	* F4706 B-6
	C4207 B-3	* C4504 C-2	* C4854 C-5	* F4707 B-6
	C4208 A-2	* C4504 D-1	C4856 D-3	
	C4209 B-1	* C4507 C-2	C4857 D-3	* FB4101 A-3
	C4210 A-3	* C4508 C-2	* C4858 D-3	FB4201 C-3
	C4211 A-3	* C4509 C-2	* C4859 D-2	FB4202 B-3
	C4212 B-2	* C4510 D-2	* C4860 C-3	FB4203 C-3
	C4213 B-2	* C4511 D-2	* C4861 C-4	FB4204 B-3
	C4214 A-2	* C4512 D-2	* C4862 D-3	FB4205 C-3
	C4215 B-1	* C4512 D-1	* C4863 D-3	FB4206 B-3
	C4216 B-3	* C4513 C-2	* C4864 C-4	FB4207 B-1
	C4217 B-3	* C4513 D-2	* C4865 D-5	* FB4401 C-2
	C4218 B-2	* C4514 C-2	* C4866 D-3	* FB4402 C-2
	C4219 B-2	* C4515 C-2	* C4867 C-4	* FB4403 A-3
	C4220 B-3	* C4518 C-2	* C4868 C-4	* FB4701 B-5
	C4221 B-2	* C4601 C-1	C4869 D-3	* FB4702 B-5
	C4222 A-2	* C4602 C-1	* C4870 C-3	

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IC2501 B-4	* L4808 C-5
* IC2502 B-3	* L4809 C-4
* IC4101 B-4	L4810 D-4
IC4201 B-2	* L4811 D-3
* IC4401 B-2	* L4812 D-2
* IC4403 B-3	* L4813 D-3
* IC4501 C-2	* L4814 C-3
* IC4502 C-2	* L4815 C-4
* IC4601 C-1	* L4816 C-4
IC4801 B-5	* L4818 C-5
IC4802 C-4	L4819 D-4
IC4803 D-3	L4820 D-3
* IC4804 C-3	* L4821 D-3
* IC4807 C-3	* L4822 C-2
	* L4824 C-4
	* L4825 D-3
* JL4103 A-3	* L4826 D-3
* JL4105 B-4	* L4827 C-4
* JL4106 B-3	* L4828 D-3
* JL4107 B-3	* L4829 C-3
* JL4114 A-4	* L4830 C-3
* JL4115 A-4	
* JL4116 A-4	
* JL4117 A-4	Q2501 C-4
* JL4118 A-4	Q2502 B-5
* JL4119 A-4	* Q4002 B-1
* JL4120 A-4	Q4003 A-1
* JL4121 A-4	* Q4004 B-1
* JL4122 A-4	* Q4005 B-1
* JL4123 A-3	* Q4101 A-3
* JL4124 A-3	* Q4102 A-3
* JL4125 A-3	* Q4701 B-5
* JL4126 A-3	* Q4702 B-6
* JL4127 B-4	* Q4703 B-6
* JL4128 B-3	* Q4704 C-5
* JL4129 B-3	* Q4705 B-6
* JL4130 B-3	* Q4706 B-6
* JL4131 B-3	Q4801 C-5
* JL4132 B-3	Q4802 C-5
* JL4133 B-3	Q4803 D-4
* JL4134 B-4	Q4804 D-4
* JL4135 B-4	Q4805 C-5
JL4201 C-3	Q4806 D-5
* JL4401 A-1	Q4807 D-4
* JL4413 C-1	Q4808 C-5
* JL4414 C-1	Q4809 C-4
* JL4415 B-1	Q4810 C-4
* JL4416 A-1	* Q4811 C-5
* JL4419 B-1	Q4812 C-5
* JL4420 B-1	Q4813 C-4
JL4504 C-1	Q4814 D-4
JL4505 C-1	Q4815 D-4
JL4506 C-1	Q4816 D-4
JL4507 C-1	Q4817 D-5
JL4508 C-1	Q4818 D-5
JL4509 C-1	Q4819 D-5
JL4510 C-1	* Q4820 C-3
* JL4511 D-2	* Q4821 C-3
* JL4512 C-2	
* JL4513 C-1	R2501 B-3
* JL4514 C-1	R2503 B-3
* JL4515 C-1	R2504 B-3
* JL4516 C-1	R2505 B-3
* JL4517 C-1	R2506 B-3
* JL4518 C-1	R2508 B-3
	R2510 B-4
	R2511 B-4
L4001 B-1	R2512 B-4
* L4101 B-4	R2513 B-4
* L4102 B-3	R2514 A-4
L4204 A-3	R2515 A-4
* L4401 A-1	R2516 C-4
* L4501 C-3	R2517 B-4
* L4501 C-3	R2518 B-4
* L4502 C-3	R2519 C-4
* L4502 C-3	R2520 A-4
* L4503 C-1	R2521 B-4
* L4503 D-1	R2522 B-4
* L4601 C-1	* R2523 B-3
* L4801 C-4	* R2524 A-3
* L4802 C-4	* R4011 B-1
* L4803 D-4	* R4012 B-1
* L4804 D-4	* R4013 B-1
* L4805 D-4	* R4014 B-1
* L4806 D-4	R4016 A-1
* L4807 D-4	

R4017 A-1	R4315 C-3
R4020 B-1	R4316 C-3
R4021 B-1	* R4401 A-1
R4023 B-1	* R4402 B-1
R4026 A-6	* R4403 B-1
* R4029 B-6	* R4404 B-1
R4032 B-5	* R4405 B-1
R4033 A-5	* R4406 A-2
R4034 A-6	* R4407 A-1
* R4035 B-5	* R4408 A-1
R4037 A-1	* R4412 A-2
R4038 B-1	* R4419 B-1
* R4101 A-3	* R4420 B-1
R4104 A-4	* R4421 A-2
* R4113 A-3	* R4427 B-1
* R4114 A-3	* R4428 C-1
* R4119 B-3	* R4429 A-1
* R4123 B-4	* R4430 A-2
* R4124 B-4	* R4431 A-2
* R4128 B-3	* R4432 A-2
* R4129 B-3	* R4436 A-2
* R4130 B-3	* R4437 A-2
* R4132 B-4	* R4440 C-2
* R4135 B-4	* R4442 B-3
* R4136 B-4	* R4443 B-3
* R4137 B-4	* R4446 B-1
* R4139 B-3	* R4447 B-1
* R4142 B-4	* R4448 B-2
* R4143 B-4	* R4449 B-2
* R4144 B-3	* R4450 B-2
* R4145 B-4	* R4451 B-2
* R4147 B-4	* R4452 B-1
R4207 B-2	* R4453 B-1
R4211 B-2	* R4454 B-1
R4212 B-1	* R4455 A-1
R4215 B-2	* R4456 B-3
R4216 B-2	* R4501 C-2
R4219 B-2	* R4502 C-2
R4220 B-2	* R4503 C-2
R4222 B-1	* R4505 C-2
R4223 B-3	* R4506 D-2
R4224 B-3	* R4507 C-2
R4225 B-3	* R4510 D-2
R4227 B-2	* R4511 C-2
R4228 B-3	* R4512 D-2
R4229 B-2	* R4513 C-2
R4230 B-2	* R4514 C-2
R4231 B-2	* R4515 C-1
R4232 B-3	* R4516 C-1
R4233 B-2	* R4517 C-1
R4234 B-2	* R4518 C-1
R4235 B-2	* R4519 C-1
R4236 B-2	* R4520 C-1
R4237 B-2	* R4521 C-1
R4238 B-2	* R4522 C-2
R4239 B-2	* R4523 C-2
R4240 B-2	* R4601 C-1
R4241 B-1	* R4602 B-1
R4242 B-3	R4701 B-6
R4244 B-3	* R4702 B-5
R4245 B-3	* R4703 B-5
R4246 B-3	* R4704 B-5
R4247 B-1	* R4705 B-5
R4248 B-3	* R4706 B-5
R4249 B-3	* R4707 C-6
R4252 B-3	* R4708 C-5
R4253 B-3	* R4709 B-6
R4255 B-3	* R4710 B-6
R4256 B-3	* R4711 B-6
R4263 C-3	R4801 B-6
R4265 C-3	R4802 C-5
R4272 C-2	R4803 B-5
R4273 C-3	R4804 B-5
R4274 C-3	R4805 B-5
R4277 C-3	R4806 B-5
R4278 C-3	R4808 B-5
R4279 C-3	R4809 B-6
R4280 C-2	R4810 B-5
R4285 C-2	R4811 B-6
R4292 C-2	R4812 B-5
R4311 C-2	R4813 B-6
R4312 B-3	R4814 B-6
R4313 B-3	R4815 B-5
R4314 C-3	R4816 B-5

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C1101 B-1	C2113 B-5	* C2305 A-5
C1104 C-5	C2114 B-5	* C2306 A-5
C1105 C-5	C2115 B-5	* C2307 B-4
C1106 C-5	C2116 B-5	* C2308 B-4
C1201 A-4	C2117 B-5	* C2309 C-5
C1202 A-4	C2118 B-5	* C2311 C-5
C1203 A-3	C2119 B-5	* C2312 C-5
C1204 A-3	C2120 B-5	* C2313 C-5
C1205 A-3	C2121 B-5	* C2314 C-5
C1207 A-3	C2122 B-4	* C2315 C-5
C1208 B-3	C2123 A-5	* C2317 B-4
C1209 B-4	C2124 B-5	* C2318 C-5
C1210 B-4	C2125 B-5	* C2319 C-4
C1211 B-3	C2126 A-5	* C2320 A-4
C1212 B-3	C2127 B-4	* C2321 B-6
* C1301 B-2	C2128 B-4	* C2322 B-4
* C1302 B-2	* C2129 A-5	* C2323 C-6
* C1303 A-2	C2130 A-5	* C2324 B-6
* C1304 A-2	C2131 A-5	* C2325 C-5
* C1305 A-2	C2132 B-6	* C2326 C-5
* C1306 B-2	C2133 B-4	* C2327 C-5
* C1307 A-3	C2134 B-4	* C2328 A-5
* C1308 A-2	C2135 B-4	* C2329 C-5
* C1309 A-1	C2136 A-4	* C2330 C-6
* C1310 B-1	C2137 B-4	* C2331 C-5
* C1311 A-1	C2138 B-4	* C2333 A-4
* C1312 A-1	C2139 B-5	* C2335 C-5
* C1313 A-1	C2144 B-6	* C2336 C-5
* C1314 A-1	C2201 B-2	* C2337 B-6
* C1315 A-1	C2202 B-2	* C2338 B-4
* C1316 B-2	C2203 B-2	* C2340 B-6
* C1317 A-1	C2204 B-2	* C2342 B-4
* C1318 B-1	C2205 B-2	* C2343 B-6
* C1319 A-1	C2206 B-2	* C2346 C-5
* C1320 A-1	C2207 C-2	* C2347 C-4
* C1321 A-1	C2208 B-2	* C2348 C-5
* C1322 A-1	C2209 C-2	* C2350 C-4
* C1323 A-1	C2210 C-2	* C2352 C-4
* C1324 A-1	C2211 B-2	* C2353 B-6
* C1325 A-1	C2212 B-2	* C2354 C-5
* C1326 B-1	C2213 C-2	* C2401 A-5
* C1327 B-1	C2214 C-2	* C2402 A-5
* C1328 A-1	C2215 B-3	* C2403 A-5
* C1329 B-1	C2216 B-3	* C2404 A-5
* C1330 A-3	C2217 C-2	* C2405 A-5
* C1331 A-3	C2218 B-2	* C2406 A-4
* C1332 A-2	C2219 C-2	* C2408 A-6
* C1333 A-2	C2220 B-2	* C2409 A-6
* C1334 A-3	C2221 C-3	* C2410 B-6
* C1335 A-3	C2222 C-3	* C2411 A-6
* C1336 B-2	C2223 C-2	* C2412 A-6
* C1337 A-1	C2224 C-3	* C2413 A-6
C1339 B-2	C2225 B-3	* C2414 A-5
C1340 A-2	C2226 B-3	* C2415 A-6
* C2001 B-3	C2227 C-3	* C2416 A-5
* C2002 B-3	C2228 B-3	* C2417 A-6
* C2003 B-3	C2229 C-3	* C2418 A-6
* C2004 B-4	C2230 B-3	* C2420 A-6
* C2005 B-3	C2231 C-3	C2701 A-2
* C2006 B-3	C2232 C-3	C2702 A-1
* C2007 B-3	C2233 C-3	C2703 A-1
* C2008 B-4	C2234 B-3	C2704 A-2
* C2009 A-3	C2235 B-3	C2705 A-2
* C2010 A-4	C2236 B-3	C2706 A-1
* C2011 A-3	C2237 B-3	C2707 A-2
* C2012 A-3	C2238 B-3	C2708 A-2
* C2013 A-4	C2239 B-3	C2709 A-2
* C2014 A-4	C2240 B-3	C2710 A-1
* C2015 A-4	C2241 B-3	C2711 A-1
* C2016 A-3	C2242 B-3	C2712 A-2
* C2017 A-4	C2243 B-3	C2713 A-1
* C2018 A-3	C2244 B-3	C2714 A-2
* C2019 A-3	C2245 C-3	C2716 A-1
* C2020 B-3	C2246 C-3	C2718 A-1
C2101 B-4	C2247 B-3	C2719 A-1
C2102 B-4	C2248 A-3	C2720 A-2
C2103 B-4	C2249 A-3	C2721 A-2
C2104 B-4	C2250 A-3	C2722 A-1
C2105 B-4	C2251 B-2	C2723 A-1
C2106 B-5	C2252 C-3	C2724 A-5
C2107 B-4	* C2301 A-5	C2725 A-1
C2108 B-4	* C2302 A-5	C2726 A-2
C2111 B-5	* C2303 A-4	C2727 A-2
C2112 A-4	* C2304 A-5	C2901 A-5

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no mark : side A
* mark : side B

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C2902 A-5	* FB2002 B-3	JL2906 A-6	* R1321 A-2	* R2033 A-3	* R2338 C-6
C2903 B-5	FB2101 B-4	JL2907 A-6	* R1322 B-2	* R2034 B-3	* R2364 B-4
C2904 B-6	FB2103 B-4	JL2908 A-6	* R1323 B-2	* R2035 B-3	* R2366 C-5
C2905 A-6	FB2104 B-4		* R1324 B-3	* R2036 B-3	* R2367 C-4
C2906 B-6	* FB2302 C-4	L1201 B-3	* R1325 A-2	* R2037 A-3	* R2368 C-4
C2907 B-6	* FB2303 A-4	* L1301 B-1	* R1326 A-3	R2110 B-4	* R2369 C-4
C2908 B-6	* FB2304 B-6	* L1302 B-1	* R1327 A-3	R2111 A-4	* R2372 C-5
C2909 A-6	* FB2305 B-4	L2101 B-4	* R1328 A-2	R2112 A-5	* R2373 B-4
C2910 A-6	* FB2306 C-6	L2102 B-5	* R1329 A-2	R2113 B-5	* R2374 C-5
C2911 B-6	* FB2307 C-5	L2103 C-4	* R1330 A-2	R2118 C-5	* R2376 B-4
C2912 A-6	* FB2401 A-5	L2104 B-4	* R1331 A-1	R2119 C-5	R2702 A-1
C2913 B-6	* FB2402 A-5	L2201 B-2	* R1332 A-1	R2120 C-5	R2703 A-2
C2914 A-6	* FB2403 A-6	L2202 C-2	* R1333 A-1	R2121 B-5	R2704 A-1
C2915 B-6	* FB3001 B-1	L2203 B-2	* R1334 A-1	R2122 A-5	R2705 A-2
C2916 B-6		L2204 B-2	* R1335 A-1	R2123 B-5	R2706 A-2
C2917 B-2	IC1201 A-4	L2205 C-3	* R1336 B-1	R2124 B-5	R2707 A-2
C2918 A-2	* IC1301 B-2	L2206 C-3	* R1337 A-1	R2125 B-5	R2709 A-1
C2920 A-6	* IC1302 B-2	L2207 A-3	* R1338 A-1	R2127 B-5	R2710 A-2
C2951 C-1	* IC1303 A-2	L2208 A-3	* R1339 A-1	R2129 B-5	R2715 A-1
C2952 C-1	* IC1304 A-2	* L2304 C-5	* R1340 A-1	R2130 B-5	R2716 A-2
C2953 C-1	* IC1305 A-1	* L2305 C-5	* R1341 A-1	R2133 B-5	R2717 A-1
C2957 B-2	* IC1306 A-1	* L2306 A-4	* R1342 A-1	R2136 B-5	R2718 A-1
C2960 B-1	* IC1307 B-2	L2701 A-2	* R1343 A-1	R2137 B-5	R2721 A-1
C2961 B-2	* IC1308 C-1	L2902 A-2	* R1344 A-1	R2139 B-5	R2722 A-2
C2962 B-2	IC1310 B-2	L2951 B-2	* R1345 A-1	R2141 B-5	R2724 A-1
C2963 B-2	IC1311 A-1	L2952 C-1	* R1346 A-1	R2144 B-5	R2725 A-1
C2964 B-2	* IC2001 A-3		* R1347 A-1	R2150 A-5	R2726 A-5
C2965 B-2	* IC2002 B-3	LF1101 B-5	* R1348 A-1	R2151 A-4	R2727 A-5
C2966 B-1	IC2101 A-5		* R1349 A-1	R2152 A-5	R2728 A-5
C2967 B-1	* IC2102 A-4	Q1101 C-5	* R1350 A-1	R2154 A-3	R2729 A-5
C2969 B-1	IC2103 B-6	Q1102 C-1	* R1351 A-1	R2158 B-4	R2730 A-6
C2970 C-1	IC2201 B-3	* Q1301 A-2	* R1352 A-1	R2159 B-4	R2731 A-6
* C3001 B-1	IC2202 A-3	* Q1302 B-1	* R1353 A-1	R2166 B-6	R2904 A-6
	IC2203 A-2	* Q1303 A-1	* R1354 A-1	R2201 C-3	R2905 B-6
* CL2001 A-4	* IC2301 B-5	* Q1306 A-3	* R1355 A-1	R2202 C-3	R2910 B-6
* CL2002 A-3	* IC2303 C-4	* Q1307 A-2	* R1356 B-1	R2203 B-3	R2918 A-6
CL2201 B-2	* IC2401 A-5	* Q1308 A-3	* R1357 A-1	R2204 C-3	R2919 A-6
CL2202 B-2	* IC2402 B-6	* Q1309 A-3	R1358 A-1	R2205 B-2	R2920 A-5
CL2203 B-2	* IC2403 A-6	* Q1310 A-3	* R1359 B-1	R2206 B-2	R2922 A-6
CL2901 A-6	IC2701 A-1	Q2101 C-5	* R1362 A-3	R2207 C-2	R2954 B-1
CL2902 B-6	IC2901 A-6	Q2102 B-5	* R1363 A-3	R2208 C-3	R2955 B-1
CL2903 A-6	IC2902 B-6	Q2103 B-5	* R1364 A-3	R2209 A-3	R2956 B-1
CL2904 B-6	IC2903 B-2	Q2105 A-4	* R1365 A-3	R2210 B-3	R2957 B-1
CL2905 A-6	IC2904 A-6	Q2106 B-4	* R1366 A-2	R2211 B-3	
CL2906 A-6	IC2951 C-2	Q2201 B-1	* R1367 A-2	R2212 C-2	* RB1301 A-2
CL2907 A-6	* IC3001 B-1	Q2202 C-3	* R1368 A-2	R2213 C-2	* RB1302 A-2
CL2908 B-6		Q2203 C-3	* R1369 A-3	R2214 B-3	* RB1303 B-1
CL2909 B-6	* JL1137 C-2	* Q2301 C-4	* R1370 A-3	R2215 B-3	* RB1304 B-1
	JL1201 A-3	* Q2302 C-4	* R1371 A-3	R2216 C-3	* RB2001 A-3
CN1101 C-6	JL1202 A-3		* R1372 A-3	R2217 C-3	* RB2002 B-3
CN1104 C-4	JL1301 B-1	* R1111 A-4	* R1373 B-1	R2218 C-3	RB2101 C-5
CN1105 B-1	JL1302 B-1	* R1112 A-4	* R1374 B-1	R2219 C-3	RB2102 C-5
* CN1107 B-3	JL1303 B-1	* R1113 A-4	* R1375 B-1	R2220 B-3	* RB2401 C-5
CN1108 B-6	JL1304 B-1	* R1114 A-4	R1376 A-2	R2221 B-3	* RB2402 C-6
CN1109 A-4	JL2101 A-4	R1116 C-4	R1378 B-2	R2222 A-2	* RB2403 C-6
CN1301 A-1	JL2102 A-4	R1117 C-5	R1379 B-2	R2223 C-3	* RB2404 C-6
CN2701 A-5	JL2103 B-4	R1118 C-6	R1380 B-2	R2230 B-3	
CN2702 A-1	JL2104 B-4	R1119 B-1	R1381 B-1	R2231 B-3	* VD1101 C-1
CN3501 A-3	JL2105 A-4	R1120 B-1	* R2001 B-3	R2232 B-3	* VD1102 B-1
	* JL2301 B-4	R1121 C-1	* R2002 B-3	R2233 B-3	* VD1103 B-1
* D1101 B-1	* JL2307 B-4	R1122 C-5	* R2003 B-3	R2234 B-3	* VD1104 B-1
* D1102 C-1	* JL2308 B-4	R1123 B-5	* R2004 B-3	R2235 B-3	* VD2001 A-3
D1103 C-5	* JL2309 B-4	R1201 A-3	* R2005 B-3	R2236 B-3	
D1104 C-5	* JL2310 B-4	R1202 B-4	* R2006 B-3	R2237 B-3	* X2001 B-4
D1105 C-5	* JL2311 B-4	* R1301 B-2	* R2007 A-4	R2238 B-2	* X2301 C-5
* D1301 A-2	* JL2312 B-4	* R1302 B-2	* R2011 A-3	R2239 B-3	
* D1302 A-2	* JL2313 B-4	* R1303 B-2	* R2014 A-4	R2240 C-2	
* D1303 A-1	* JL2318 B-4	* R1304 B-2	* R2015 A-4	R2241 C-3	
D1304 B-2	* JL2319 B-4	* R1305 A-2	* R2016 A-3	* R2301 C-6	
* D2302 B-6	* JL2320 B-4	* R1306 A-2	* R2017 A-3	* R2305 C-5	
* D2303 C-5	* JL2321 B-4	* R1307 B-2	* R2018 A-4	* R2306 B-6	
* D2304 C-5	* JL2322 C-4	* R1308 B-2	* R2019 A-3	* R2312 B-6	
* D2305 C-5	* JL2323 B-4	* R1309 A-2	* R2020 A-3	* R2313 C-5	
D2701 A-6	* JL2328 B-4	* R1310 A-2	* R2021 A-3	* R2314 C-4	
D2702 A-5	* JL2329 B-4	* R1311 A-2	* R2022 A-3	* R2315 C-5	
D2703 A-5	* JL2330 B-4	* R1312 A-2	* R2023 A-3	* R2316 C-4	
	* JL2331 A-4	* R1313 A-2	* R2025 A-3	* R2317 C-5	
* FB1101 B-1	* JL2332 B-4	* R1314 B-2	* R2026 A-3	* R2318 C-4	
* FB1102 B-1	* JL2333 A-4	* R1315 A-2	* R2027 A-3	* R2320 C-4	
* FB1103 B-1	JL2901 A-5	* R1316 A-2	* R2028 A-4	* R2321 C-4	
* FB1104 C-1	JL2902 A-6	* R1317 B-1	* R2029 A-3	* R2323 B-6	
FB1201 A-4	JL2903 A-6	* R1318 B-1	* R2030 A-4	* R2324 C-6	
FB1202 A-3	JL2904 A-6	* R1319 A-1	* R2031 A-3	* R2329 B-4	
* FB2001 B-3	JL2905 A-6	* R1320 B-1	* R2032 A-3	* R2332 B-4	

5. REPAIR PARTS LIST

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- 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.
- CAPACITORS:
uF: μF
- COILS
uH: μH
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μA ..., μPA ..., μPA ...,
uPB..., μPB ..., μPC ..., μPC ...,
uPD..., μPD ...

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

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.

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
	A-1104-150-A	CD-563 BOARD, COMPLETE ***** (IC5002 is not included in this complete board.)
		< CAPACITOR >
C5001	1-104-851-11	TANTAL. CHIP 10uF 20% 10V
C5002	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C5003	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5004	1-113-987-11	TANTAL. CHIP 4.7uF 20% 25V
C5005	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5006	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5406	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V
C5407	1-164-870-11	CERAMIC CHIP 68PF 5% 50V
C5408	1-164-870-11	CERAMIC CHIP 68PF 5% 50V
C5409	1-127-861-11	CERAMIC CHIP 2.2uF 10% 16V
C5410	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C5411	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5412	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5414	1-117-743-81	CERAMIC CHIP 5PF 0.1PF 16V
C5415	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V
C5416	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5417	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7103	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7104	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7105	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7106	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7107	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7108	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7109	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7110	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7111	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C7112	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C7113	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C7114	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C7115	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
		< CONNECTOR >
CN5001	1-816-873-11	CONNECTOR BOARD TO BOARD 60P
		< DIODE >
D5401	8-719-082-63	DIODE 1SV329 (TPL3)
		< FERRITE BEAD >
FB5401	1-414-760-21	FERRITE, EMI (SMD) (1608)
FB7105	1-469-179-21	INDUCTOR, FERRITE BEAD
FB7106	1-469-179-21	INDUCTOR, FERRITE BEAD
FB7107	1-469-179-21	INDUCTOR, FERRITE BEAD
FB7108	1-469-179-21	INDUCTOR, FERRITE BEAD
		< IC >
IC5002	8-753-215-47	ICX440NKF-13 (CCD IMAGER) (DVD103/DVD602/DVD653/DVD92)
IC5002	8-753-215-49	ICX441NKF-13 (CCD IMAGER) (DVD602E/DVD653E/DVD92E)
		(IC5002 is not included in the complete board of CD-563.)
IC5401	8-753-224-68	IC CXD2444AGA-T4
IC7101	6-707-333-01	IC NJM3230SE7

Ref. No.	Part No.	Description
		< COIL >
L5001	1-469-528-91	INDUCTOR 100uH
L5002	1-469-525-91	INDUCTOR 10uH
L7101	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
		< TRANSISTOR >
Q5001	8-729-117-73	TRANSISTOR 2SC4178-F14
Q5401	6-550-240-01	TRANSISTOR DTA114TMT2L
		< RESISTOR >
R5001	1-218-959-11	RES-CHIP 3.3K 5% 1/16W
R5401	1-218-977-11	RES-CHIP 100K 5% 1/16W
R5402	1-218-990-11	SHORT CHIP 0
R5403	1-218-990-11	SHORT CHIP 0
R5406	1-216-864-11	SHORT CHIP 0
R5407	1-218-990-11	SHORT CHIP 0
R5408	1-218-977-11	RES-CHIP 100K 5% 1/16W
R5409	1-216-864-11	SHORT CHIP 0
R5410	1-218-990-11	SHORT CHIP 0
R5411	1-218-985-11	RES-CHIP 470K 5% 1/16W
R5412	1-218-965-11	RES-CHIP 10K 5% 1/16W
R7103	1-218-965-11	RES-CHIP 10K 5% 1/16W
R7104	1-218-989-11	RES-CHIP 1M 5% 1/16W
R7105	1-218-989-11	RES-CHIP 1M 5% 1/16W
R7106	1-218-965-11	RES-CHIP 10K 5% 1/16W
		< COMPOSITION CIRCUIT BLOCK >
RB7101	1-234-379-21	RES, NETWORK 22K (1005X4)
		< SENSOR >
SE7103	1-479-022-21	SENSOR, ANGULAR VELOCITY (YAW)
SE7104	1-479-022-11	SENSOR, ANGULAR VELOCITY (PITCH)
		< VIBRATOR >
X5401	1-767-203-21	VIBRATOR, CRYSTAL (36MHz)
	A-1103-980-A	VF-166 BOARD, COMPLETE (DVD103/DVD653/DVD653E)
	A-1103-965-A	VF-166 BOARD, COMPLETE (DVD602/DVD602E/DVD92/DVD92E) *****
		< CAPACITOR >
C7001	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V
C7002	1-127-895-91	TANTAL. CHIP 22uF 20% 4V
C7003	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7004	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7005	1-164-739-11	CERAMIC CHIP 560PF 5% 50V
C7006	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V (DVD103/DVD653/DVD653E)
C7007	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V (DVD103/DVD653/DVD653E)
C7008	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C7010	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C7012	1-127-820-11	CERAMIC CHIP 4.7uF 10% 16V

Be sure to read "Precautions upon replacing CCD imager" on page 4-1 when changing the CCD imager.

Ref. No.	Part No.	Description			
C7014	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
C7015	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C7016	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C7017	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
< CONNECTOR >					
CN7001	1-816-646-31	FFC/CONNECTOR, FPC (LIF) 16P			
CN7002	1-816-654-31	FFC/FPC CONNECTOR (LIF) 6P			
CN7003	1-816-653-11	CONNECTOR, FPC (ZIF) 21P			
< DIODE >					
D7001	8-719-074-67	DIODE EDZ-TE61-5.6B			
< FERRITE BEAD >					
FB7001	1-414-760-21	FERRITE, EMI (SMD) (1608)			
< IC >					
IC7001	8-753-221-57	IC CXM3007AGA-T2			
IC7002	8-759-581-11	IC NJM2125F (TE2)			
< COIL >					
L7001	1-400-588-11	INDUCTOR, LAMINATE CHIP	10uH		
L7002	1-400-588-11	INDUCTOR, LAMINATE CHIP	10uH		
L7003	1-400-588-11	INDUCTOR, LAMINATE CHIP	10uH		
< TRANSISTOR >					
Q7001	8-729-054-48	TRANSISTOR	UP04601008S0		
< RESISTOR >					
R7001	1-218-975-11	RES-CHIP	68K	5%	1/16W
R7003	1-218-990-11	SHORT CHIP	0		
R7004	1-208-934-11	METAL CHIP	91K	0.5%	1/16W
R7005	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R7006	1-218-965-11	RES-CHIP	10K	5%	1/16W
R7009	1-208-941-11	METAL CHIP	180K	0.5%	1/16W
R7010	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R7011	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R7012	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R7013	1-218-989-11	RES-CHIP	1M	5%	1/16W
< COMPOSITION CIRCUIT BLOCK >					
RB7001	1-234-369-21	RES, NETWORK	10 (1005X4)		

A-1110-081-A MD-114 BOARD, COMPLETE (SERVICE)

(Note) MD-120 BOARD, COMPLETE (SERVICE)

< CAPACITOR >

C2501	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C2502	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C2503	1-127-895-91	TANTAL. CHIP	22uF	20%	4V
C2504	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C2505	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V

Note :

Service repair part is COMPLETE MD-114 BOARD (SERVICE).

Ref. No.	Part No.	Description			
C2506	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2507	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C2508	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C2509	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C2510	1-164-854-11	CERAMIC CHIP	15PF	5%	50V
C2511	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C2512	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4001	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C4002	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4003	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4006	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4007	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4101	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4102	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4103	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4104	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4105	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4106	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4107	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4108	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C4109	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C4110	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C4111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4112	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4114	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4116	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4118	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C4119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4120	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4121	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4122	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4123	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4124	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4125	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C4126	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4127	1-164-862-11	CERAMIC CHIP	33PF	5%	50V
C4128	1-164-862-11	CERAMIC CHIP	33PF	5%	50V
C4129	1-164-862-11	CERAMIC CHIP	33PF	5%	50V
C4131	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C4132	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C4133	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4134	1-164-862-11	CERAMIC CHIP	33PF	5%	50V
C4136	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4137	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4140	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C4141	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C4143	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C4201	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C4202	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4203	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4204	1-164-934-11	CERAMIC CHIP	330PF	10%	50V
C4205	1-164-934-11	CERAMIC CHIP	330PF	10%	50V
C4206	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V
C4207	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4208	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4209	1-164-392-11	CERAMIC CHIP	390PF	5%	50V
C4210	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4211	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4212	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
C4213	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description					Ref. No.	Part No.	Description			
C4214	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4411	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C4215	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4412	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4216	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4413	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4217	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4414	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4219	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V		C4415	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4220	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V		C4416	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4221	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4417	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4222	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C4418	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4223	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V		C4501	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4224	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4502	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V (MD-114)
C4225	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V		C4502	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V (MD-120)
C4226	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V		C4503	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (MD-120)
C4227	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V		C4504	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V (MD-120)
C4228	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V		C4505	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V (MD-114)
C4229	1-164-843-11	CERAMIC CHIP	3PF	0.25PF	50V		C4506	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V (MD-114)
C4230	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V		C4507	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (MD-114)
C4231	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V		C4507	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V (MD-120)
C4232	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4508	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (MD-114)
C4233	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V		C4508	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V (MD-120)
C4234	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V		C4509	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (MD-114)
C4235	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4509	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V (MD-120)
C4236	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V		C4510	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V (MD-114)
C4237	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4510	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V (MD-120)
C4238	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V		C4511	1-164-935-11	CERAMIC CHIP	470PF	10%	50V (MD-114)
C4240	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C4511	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V (MD-120)
C4242	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4512	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V (MD-120)
C4243	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4513	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V (MD-120)
C4244	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4514	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C4245	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4515	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C4246	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4516	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (MD-114)
C4247	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4517	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V (MD-114)
C4248	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4521	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V (MD-114)
C4249	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4601	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C4250	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4602	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C4251	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4603	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V
C4253	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4605	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C4254	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4606	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4255	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4701	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C4258	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4702	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C4259	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C4703	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C4260	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4263	1-165-908-11	CERAMIC CHIP	1uF	10%	10V							
C4264	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4265	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4266	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4267	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4268	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4269	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4270	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4271	1-117-743-81	CERAMIC CHIP	5PF	0.1PF	16V							
C4272	1-117-743-81	CERAMIC CHIP	5PF	0.1PF	16V							
C4402	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V							
C4403	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V							
C4404	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4405	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4406	1-165-908-11	CERAMIC CHIP	1uF	10%	10V							
C4407	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4408	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4409	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
C4410	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							

Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
C4705	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4854	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C4706	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4856	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C4707	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4857	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C4708	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C4858	1-100-786-91	TANTAL. CHIP	22uF	20%	6.3V
C4709	1-127-573-11	CERAMIC CHIP	1uF	10%	16V	C4859	1-104-851-11	TANTAL. CHIP	10uF	20%	10V
C4711	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C4860	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4712	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C4862	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C4801	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4863	1-104-851-11	TANTAL. CHIP	10uF	20%	10V
C4802	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C4864	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4803	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C4865	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V
C4804	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4866	1-100-786-91	TANTAL. CHIP	22uF	20%	6.3V
C4805	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4867	1-125-827-91	CERAMIC CHIP	1uF	10%	25V
C4806	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4868	1-125-827-91	CERAMIC CHIP	1uF	10%	25V
C4807	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4869	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4808	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4870	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C4809	1-164-882-11	CERAMIC CHIP	220PF	5%	16V	C4871	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C4810	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4872	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C4811	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4876	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4812	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	C4877	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4813	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	C4878	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C4814	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V	C4879	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4815	1-164-935-11	CERAMIC CHIP	470PF	10%	50V	C4880	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C4816	1-164-930-11	CERAMIC CHIP	330PF	5%	16V	C4881	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4817	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	C4882	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C4818	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C4883	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C4819	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V			< CONNECTOR >			
C4820	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	CN4001	1-818-816-11	CONNECTOR, BOARD TO BOARD 100P			
C4821	1-164-934-11	CERAMIC CHIP	330PF	10%	50V	CN4002	1-816-654-31	FFC/FPC CONNECTOR (LIF) 6P			
C4822	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	CN4003	1-817-707-11	CONNECTOR, FPC (LIF (NON-ZIF)) 14P			
C4823	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	CN4004	1-794-505-21	CONNECTOR, FPC (ZIF) 51P			
C4824	1-127-715-91	CERAMIC CHIP	0.22uF	10%	16V	CN4006	1-794-323-11	CONNECTOR, FFC/FPC (ZIF) 16P			
C4825	1-165-908-11	CERAMIC CHIP	1uF	10%	10V						
C4826	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	CN4007	1-817-707-11	CONNECTOR, FPC (LIF (NON-ZIF)) 14P			
C4827	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	CN4008	1-779-331-11	CONNECTOR, FFC/FPC 14P			
C4828	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	CN4010	1-818-043-21	CONNECTOR, FFC/FPC 10P			
C4829	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	CN4012	1-779-328-21	CONNECTOR, FFC/FPC 8P			
C4830	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	CN4101	1-794-505-21	CONNECTOR, FPC (ZIF) 51P			
C4831	1-165-908-11	CERAMIC CHIP	1uF	10%	10V						
C4832	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	CN4501	1-818-043-21	CONNECTOR, FFC/FPC 10P			
C4833	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			< DIODE >			
C4834	1-100-352-91	CERAMIC CHIP	1uF	20%	16V	D2501	8-719-988-61	DIODE 1SS355TE-17			
C4835	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	D4002	6-500-044-01	DIODE DF6A6.8FU (TE85R)			
C4836	1-165-856-91	CERAMIC CHIP	1uF	10%	25V	D4005	8-719-084-17	DIODE EMZ6.8ET2R			
C4837	1-100-591-91	CERAMIC CHIP	1uF	10%	25V	D4006	8-719-084-17	DIODE EMZ6.8ET2R			
C4838	1-100-591-91	CERAMIC CHIP	1uF	10%	25V	D4007	8-719-084-17	DIODE EMZ6.8ET2R			
C4839	1-125-889-91	CERAMIC CHIP	2.2uF	10%	10V	D4009	6-500-776-01	DIODE MAZW068H0LS0			
C4840	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	D4010	8-719-083-91	DIODE EDZ TE61 6.8B			
C4841	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V	D4101	8-719-056-23	DIODE MA2S111-(K8).SO			
C4842	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V	D4401	8-719-083-91	DIODE EDZ TE61 6.8B			
C4843	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V	D4501	8-719-056-53	DIODE MAZS051008SO			
C4844	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V	D4701	6-500-776-01	DIODE MAZW068H0LS0			
C4845	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V	D4702	8-719-074-08	DIODE MA4ZD03001SO			
C4846	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	D4703	8-719-421-67	DIODE MA132WK			
C4847	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	D4801	8-719-421-67	DIODE MA132WK			
C4848	1-131-862-91	TANTAL. CHIP	47uF	20%	4V	D4802	8-719-027-76	DIODE 1SS357-TPH3			
C4849	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	D4803	8-719-046-85	DIODE MA2S728			
C4850	1-127-895-91	TANTAL. CHIP	22uF	20%	4V	D4804	8-719-085-52	DIODE SBS806M-TL-E			
C4851	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	D4805	8-719-074-08	DIODE MA4ZD03001SO			
C4852	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V						
C4853	1-165-856-91	CERAMIC CHIP	1uF	10%	25V						

Ref. No.	Part No.	Description
< FUSE >		
△ F4701	1-576-406-21	FUSE 1.4A/32V
△ F4702	1-576-406-21	FUSE 1.4A/32V
△ F4703	1-576-406-21	FUSE 1.4A/32V
△ F4704	1-576-406-21	FUSE 1.4A/32V
△ F4705	1-576-406-21	FUSE 1.4A/32V
△ F4706	1-576-406-21	FUSE 1.4A/32V
△ F4707	1-576-406-21	FUSE 1.4A/32V
< FERRITE BEAD >		
FB4101	1-469-637-21	FERRITE, EMI (SMD) (1608)
FB4201	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
FB4202	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
FB4203	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
FB4204	1-469-109-21	FERRITE, EMI (SMD) (1608)
FB4205	1-469-109-21	FERRITE, EMI (SMD) (1608)
FB4206	1-469-109-21	FERRITE, EMI (SMD) (1608)
FB4207	1-414-864-11	FERRITE, EMI (SMD) (1608)
FB4401	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
FB4402	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
FB4403	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
< IC >		
IC2501	6-805-372-01	IC MB89097LGA-G-191-ER
IC2502	6-700-599-01	IC TC7SA08FU (TE85R)
IC4101	6-707-603-01	IC TB1299XBG (DRY, EB)
IC4201	6-707-604-01	IC TC94A53XBG
IC4203	6-707-902-01	IC W9864G6EB-7-ER20
IC4401	6-805-051-01	IC T5BJ5XBG-0100
IC4403	not supplied	IC 36VF1601E-70-4C-B3KE-PT005T (Note)
IC4501	6-707-602-01	IC LV8213GL-TLM-E (MD-114)
IC4501	8-759-082-60	IC TC7S66FU (MD-120)
IC4502	8-759-082-60	IC TC7S66FU (MD-114)
IC4502	6-708-024-01	IC AN41230A(MD-120)
IC4601	6-707-601-01	IC TA6038FNG (EL)
IC4801	6-706-539-01	IC AN30205A-VB
IC4802	6-706-046-01	IC TK11185CSCL-G
IC4803	6-702-300-01	IC TK11118CSCL-G
IC4804	8-759-642-85	IC NJM2143R (TE2)
IC4807	6-707-099-01	IC TPS73643DBVR
< COIL >		
L4001	1-469-844-11	INDUCTOR 2.2uH
* L4101	1-400-136-21	INDUCTOR 4.7uH
* L4102	1-400-136-21	INDUCTOR 4.7uH
* L4204	1-400-136-21	INDUCTOR 4.7uH
* L4401	1-400-136-21	INDUCTOR 4.7uH
L4501	1-469-522-91	INDUCTOR 1uH
L4502	1-469-524-91	INDUCTOR 4.7uH
L4503	1-469-522-91	INDUCTOR 1uH
L4601	1-414-521-21	INDUCTOR 10uH
L4801	1-456-138-11	INDUCTOR 33uH

Ref. No.	Part No.	Description
L4802	1-419-311-21	INDUCTOR 100uH
L4803	1-456-137-11	INDUCTOR 22uH
L4804	1-419-160-31	INDUCTOR 22uH
L4805	1-456-137-11	INDUCTOR 22uH
L4806	1-419-160-31	INDUCTOR 22uH
L4807	1-456-137-11	INDUCTOR 22uH
L4808	1-424-769-11	INDUCTOR 10uH
L4809	1-456-137-11	INDUCTOR 22uH
L4810	1-400-135-11	INDUCTOR 1uH
L4811	1-469-966-21	INDUCTOR 1uH
L4812	1-469-966-21	INDUCTOR 1uH
L4813	1-400-145-21	INDUCTOR 47uH
L4814	1-400-073-21	INDUCTOR 4.7uH
L4815	1-469-966-21	INDUCTOR 1uH
L4816	1-469-847-11	INDUCTOR 100uH
L4818	1-469-847-11	INDUCTOR 100uH
L4819	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
L4820	1-469-757-21	INDUCTOR 10uH
L4821	1-469-966-21	INDUCTOR 1uH
L4822	1-469-845-11	INDUCTOR 4.7uH
L4825	1-400-144-21	INDUCTOR 22uH
L4826	1-469-553-21	INDUCTOR 4.7uH
L4827	1-469-549-21	INDUCTOR 1uH
L4828	1-469-967-21	INDUCTOR 10uH
L4829	1-469-845-11	INDUCTOR 4.7uH
L4830	1-469-845-11	INDUCTOR 4.7uH
< LINE FILTER >		
LF4701	1-456-681-21	COIL, CHOKE
< TRANSISTOR >		
Q2501	6-550-119-01	TRANSISTOR DTC144EMT2L
Q2502	8-729-041-43	TRANSISTOR HN1L02FU (TE85R)
Q4002	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R
Q4003	6-550-119-01	TRANSISTOR DTC144EMT2L
Q4004	6-550-351-01	TRANSISTOR CPH5812-S-TL-E
Q4005	6-550-377-01	TRANSISTOR MCH3408-TL-E
Q4101	6-550-119-01	TRANSISTOR DTC144EMT2L
Q4102	6-550-119-01	TRANSISTOR DTC144EMT2L
Q4701	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R
Q4702	8-729-056-54	TRANSISTOR TPCS8302 (TE12L)
Q4703	8-729-043-60	TRANSISTOR CPH6102-TL-E
Q4704	6-550-119-01	TRANSISTOR DTC144EMT2L
Q4705	6-550-119-01	TRANSISTOR DTC144EMT2L
Q4706	6-551-184-01	TRANSISTOR MCH6305-TL-E
Q4801	8-729-037-74	TRANSISTOR UN9213J-(TX).SO
Q4802	6-550-006-01	TRANSISTOR UN911BJ-(K8).SO
Q4803	6-550-714-01	TRANSISTOR SCH1406-TL-E
Q4804	6-550-714-01	TRANSISTOR SCH1406-TL-E
Q4805	6-550-714-01	TRANSISTOR SCH1406-TL-E
Q4806	6-550-714-01	TRANSISTOR SCH1406-TL-E

Note :
A service for IC4403 is not available because an adjustment is required before replacement.

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

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

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description						
Q4807	6-550-714-01	TRANSISTOR	SCH1406-TL-E	R4123	1-208-709-11	METAL CHIP	12K	0.5%	1/16W		
Q4808	6-550-714-01	TRANSISTOR	SCH1406-TL-E	R4124	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W		
Q4809	6-550-714-01	TRANSISTOR	SCH1406-TL-E	R4128	1-218-981-11	RES-CHIP	220K	5%	1/16W		
Q4810	6-550-533-01	TRANSISTOR	MCH5819-TL-E	R4129	1-218-971-11	RES-CHIP	33K	5%	1/16W		
Q4811	8-729-056-72	TRANSISTOR	MCH5805-TL-E	R4130	1-218-967-11	RES-CHIP	15K	5%	1/16W		
Q4812	6-550-713-01	TRANSISTOR	SCH2816-TL-E	R4132	1-218-953-11	RES-CHIP	1K	5%	1/16W		
Q4813	6-550-713-01	TRANSISTOR	SCH2816-TL-E	R4135	1-218-965-11	RES-CHIP	10K	5%	1/16W		
Q4814	6-550-713-01	TRANSISTOR	SCH2816-TL-E	R4136	1-218-965-11	RES-CHIP	10K	5%	1/16W		
Q4815	6-550-713-01	TRANSISTOR	SCH2816-TL-E	R4137	1-218-965-11	RES-CHIP	10K	5%	1/16W		
Q4816	6-550-713-01	TRANSISTOR	SCH2816-TL-E	R4139	1-218-973-11	RES-CHIP	47K	5%	1/16W		
Q4817	6-550-713-01	TRANSISTOR	SCH2816-TL-E	R4143	1-218-965-11	RES-CHIP	10K	5%	1/16W		
Q4818	6-550-713-01	TRANSISTOR	SCH2816-TL-E	R4144	1-218-990-11	SHORT CHIP	0				
Q4819	8-729-049-25	TRANSISTOR	2SC5376F-B (TPL3)	R4145	1-218-963-11	RES-CHIP	6.8K	5%	1/16W		
Q4820	6-550-377-01	TRANSISTOR	MCH3408-TL-E	R4147	1-218-957-11	RES-CHIP	2.2K	5%	1/16W		
Q4821	6-550-377-01	TRANSISTOR	MCH3408-TL-E	R4207	1-218-965-11	RES-CHIP	10K	5%	1/16W		
< RESISTOR >											
R2501	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4211	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2503	1-208-935-11	METAL CHIP	100K	0.5%	1/16W	R4212	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2504	1-208-927-11	METAL CHIP	47K	0.5%	1/16W	R4219	1-218-989-11	RES-CHIP	1M	5%	1/16W
R2505	1-218-989-11	RES-CHIP	1M	5%	1/16W	R4220	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2506	1-218-985-11	RES-CHIP	470K	5%	1/16W	R4222	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2508	1-218-973-11	RES-CHIP	47K	5%	1/16W	R4223	1-220-876-81	METAL CHIP	18	0.5%	1/16W
R2510	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4225	1-218-949-11	RES-CHIP	470	5%	1/16W
R2511	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4227	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2512	1-219-570-11	METAL CHIP	10M	5%	1/10W	R4228	1-218-941-81	RES-CHIP	100	5%	1/16W
R2513	1-218-990-11	SHORT CHIP	0			R4229	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2514	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4230	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2515	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4231	1-218-967-11	RES-CHIP	15K	5%	1/16W
R2516	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4232	1-218-949-11	RES-CHIP	470	5%	1/16W
R2517	1-218-989-11	RES-CHIP	1M	5%	1/16W	R4233	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2518	1-218-989-11	RES-CHIP	1M	5%	1/16W	R4234	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2519	1-218-949-11	RES-CHIP	470	5%	1/16W	R4235	1-218-949-11	RES-CHIP	470	5%	1/16W
R2520	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4236	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2521	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4237	1-218-979-11	RES-CHIP	150K	5%	1/16W
R2524	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4238	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R4011	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4239	1-208-928-11	METAL CHIP	51K	0.5%	1/16W
R4012	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4240	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R4013	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4244	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4014	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4245	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4016	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4246	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4017	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4247	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4020	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4249	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4021	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4252	1-218-933-11	RES-CHIP	22	5%	1/16W
R4023	1-218-944-11	RES-CHIP	180	5%	1/16W	R4253	1-218-933-11	RES-CHIP	22	5%	1/16W
R4026	1-218-949-11	RES-CHIP	470	5%	1/16W	R4255	1-218-933-11	RES-CHIP	22	5%	1/16W
R4029	1-218-951-11	RES-CHIP	680	5%	1/16W	R4272	1-218-933-11	RES-CHIP	22	5%	1/16W
R4032	1-218-990-11	SHORT CHIP	0			R4278	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4033	1-218-990-11	SHORT CHIP	0			R4279	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4034	1-218-990-11	SHORT CHIP	0			R4280	1-218-973-11	RES-CHIP	47K	5%	1/16W
R4035	1-218-954-11	RES-CHIP	1.2K	5%	1/16W	R4285	1-218-933-11	RES-CHIP	22	5%	1/16W
R4037	1-218-947-11	RES-CHIP	330	5%	1/16W	R4292	1-218-933-11	RES-CHIP	22	5%	1/16W
R4101	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4311	1-218-990-11	SHORT CHIP	0		
R4104	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4312	1-216-864-11	SHORT CHIP	0		
R4113	1-218-973-11	RES-CHIP	47K	5%	1/16W	R4313	1-216-864-11	SHORT CHIP	0		
R4114	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4401	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4119	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4402	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R4403	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4403	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4404	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4404	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4405	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4405	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4407	1-218-981-11	RES-CHIP	220K	5%	1/16W	R4407	1-218-981-11	RES-CHIP	220K	5%	1/16W
R4408	1-218-975-11	RES-CHIP	68K	5%	1/16W	R4408	1-218-975-11	RES-CHIP	68K	5%	1/16W

Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
R4412	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4520	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)
R4419	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4520	1-218-990-11	SHORT CHIP	0 (MD-120)		
R4420	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4521	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)
R4421	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4521	1-218-990-11	SHORT CHIP	0 (MD-120)		
R4427	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4522	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4428	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4523	1-218-953-11	RES-CHIP	1K	5%	1/16W (MD-114)
R4429	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4523	1-218-970-11	RES-CHIP	27K	5%	1/16W (MD-120)
R4432	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4524	1-218-953-11	RES-CHIP	1K	5%	1/16W (MD-114)
R4436	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4525	1-218-953-11	RES-CHIP	1K	5%	1/16W (MD-114)
R4437	1-218-973-11	RES-CHIP	47K	5%	1/16W	R4526	1-218-969-11	RES-CHIP	22K	5%	1/16W (MD-114)
R4442	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4527	1-218-971-11	RES-CHIP	33K	5%	1/16W (MD-114)
R4443	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4528	1-218-971-11	RES-CHIP	33K	5%	1/16W (MD-114)
R4446	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4538	1-218-965-11	RES-CHIP	10K	5%	1/16W (MD-114)
R4447	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4539	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)
R4448	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4540	1-218-990-11	SHORT CHIP	0 (MD-114)		
R4449	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4601	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4451	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4602	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4452	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4701	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4454	1-218-941-81	RES-CHIP	100	5%	1/16W	R4704	1-218-977-11	RES-CHIP	100K	5%	1/16W
R4455	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4705	1-218-989-11	RES-CHIP	1M	5%	1/16W
R4456	1-218-990-11	SHORT CHIP	0			R4706	1-216-001-00	RES-CHIP	10	5%	1/10W
R4501	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-120)	R4707	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4502	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-120)	R4708	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R4503	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-120)	R4709	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4505	1-218-973-11	RES-CHIP	47K	5%	1/16W (MD-114)	R4710	1-218-989-11	RES-CHIP	1M	5%	1/16W
R4505	1-218-965-11	RES-CHIP	10K	5%	1/16W (MD-120)	R4711	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4506	1-218-973-11	RES-CHIP	47K	5%	1/16W (MD-114)	R4801	1-218-941-81	RES-CHIP	100	5%	1/16W
R4506	1-218-990-11	SHORT CHIP	0 (MD-120)			R4802	1-218-989-11	RES-CHIP	1M	5%	1/16W
R4507	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4803	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4510	1-218-990-11	SHORT CHIP	0 (MD-120)			R4804	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R4511	1-218-990-11	SHORT CHIP	0 (MD-120)			R4805	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R4512	1-218-990-11	SHORT CHIP	0 (MD-120)			R4806	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R4513	1-218-990-11	SHORT CHIP	0 (MD-120)			R4808	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R4514	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)	R4809	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4514	1-218-973-11	RES-CHIP	47K	5%	1/16W (MD-120)	R4810	1-208-912-11	METAL CHIP	11K	0.5%	1/16W
R4515	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)	R4811	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4515	1-218-990-11	SHORT CHIP	0 (MD-120)			R4812	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4516	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)	R4813	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4516	1-218-990-11	SHORT CHIP	0 (MD-120)			R4814	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R4517	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)	R4815	1-220-196-11	RES-CHIP	13K	5%	1/16W
R4517	1-218-973-11	RES-CHIP	47K	5%	1/16W (MD-120)	R4816	1-218-975-11	RES-CHIP	68K	5%	1/16W
R4518	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)	R4817	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4518	1-218-990-11	SHORT CHIP	0 (MD-120)			R4818	1-218-951-11	RES-CHIP	680	5%	1/16W
R4519	1-218-446-11	METAL CHIP	1	5%	1/10W (MD-114)	R4819	1-218-969-11	RES-CHIP	22K	5%	1/16W
R4519	1-218-990-11	SHORT CHIP	0 (MD-120)			R4820	1-218-969-11	RES-CHIP	22K	5%	1/16W
						R4821	1-218-978-11	RES-CHIP	120K	5%	1/16W
						R4822	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
						R4823	1-218-977-11	RES-CHIP	100K	5%	1/16W

Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
R4834	1-218-990-11	SHORT CHIP	0			C1301	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
R4835	1-218-990-11	SHORT CHIP	0			C1302	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
R4836	1-218-990-11	SHORT CHIP	0			C1309	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
R4837	1-218-990-11	SHORT CHIP	0			C1310	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R4838	1-218-990-11	SHORT CHIP	0			C1311	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
R4839	1-218-990-11	SHORT CHIP	0			C1312	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R4840	1-218-990-11	SHORT CHIP	0			C1313	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
R4841	1-218-990-11	SHORT CHIP	0			C1314	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
R4852	1-218-935-11	RES-CHIP	33	5%	1/16W	C1315	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
R4859	1-218-965-11	RES-CHIP	10K	5%	1/16W	C1316	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
R4862	1-218-949-11	RES-CHIP	470	5%	1/16W	C1317	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
R4863	1-208-711-11	METAL CHIP	15K	0.5%	1/16W	C1318	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
R4864	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	C1319	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
R4865	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	C1320	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
R4866	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	C1321	1-117-863-11	CERAMIC CHIP	0.47uF	10%	6.3V
R4867	1-208-711-11	METAL CHIP	15K	0.5%	1/16W	C1322	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
R4868	1-218-965-11	RES-CHIP	10K	5%	1/16W	C1323	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
		< COMPOSITION CIRCUIT BLOCK >				C1324	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
RB2501	1-234-375-21	RES, NETWORK	1K (1005X4)			C1325	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
RB2502	1-234-381-21	RES, NETWORK	100K (1005X4)			C1326	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
RB2503	1-234-381-21	RES, NETWORK	100K (1005X4)			C1329	1-165-897-11	TANTAL. CHIP	22uF	20%	10V
RB4201	1-242-963-21	RES, NETWORK	33 (1005X4)			C1330	1-127-573-11	CERAMIC CHIP	1uF	10%	16V
RB4202	1-242-963-21	RES, NETWORK	33 (1005X4)			C1331	1-127-573-11	CERAMIC CHIP	1uF	10%	16V
RB4203	1-242-963-21	RES, NETWORK	33 (1005X4)			C1332	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
RB4204	1-242-963-21	RES, NETWORK	33 (1005X4)			C1333	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
RB4205	1-242-962-21	RES, NETWORK	82X4 (1005)			C1334	1-165-875-11	CERAMIC CHIP	10uF	10%	10V
RB4206	1-242-962-21	RES, NETWORK	82X4 (1005)			C1335	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		< SENSOR >				C1336	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
SE4601	1-478-612-11	SHOCK SENSOR						(DVD103/DVD653/DVD653E)			
		< VARISTOR >				C1337	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
VD4001	1-801-923-11	VARISTOR, CHIP	(1608)			C2001	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
		< VIBRATOR >				C2002	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
X2501	1-795-602-11	VIBRATOR, CRYSTAL	(32.768kHz)			C2003	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
X2502	1-795-244-11	VIBRATOR, CERAMIC	(10MHz)			C2004	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
X4201	1-795-919-21	VIBRATOR, CRYSTAL	(22.5792MHz)			C2005	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V
X4401	1-795-954-21	PIEZOELECTRIC OSCILLATOR	(16MHz)			C2006	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
A-1110-084-A		VC-395 BOARD, COMPLETE (SERVICE)				C2008	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		(DVD103/DVD653/DVD653E)				C2011	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
A-1110-088-A		VC-395 BOARD, COMPLETE (SERVICE)				C2014	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
		(DVD602/DVD602E/DVD92/DVD92E)				C2015	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		*****				C2016	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
		< CAPACITOR >				C2018	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C1101	1-164-931-11	CERAMIC CHIP	100PF	10%	50V	C2019	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C1201	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	C2101	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1202	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C2102	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1205	1-128-934-91	CERAMIC CHIP	0.33uF	20%	10V	C2104	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1207	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2105	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C1209	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2106	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V			(DVD103/DVD653/DVD653E)			
C1211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	C2107	1-127-895-91	TANTAL. CHIP	22uF	20%	4V
C1212	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	C2108	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
						C2111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
								(DVD103/DVD653/DVD653E)			
						C2112	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
						C2113	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
								(DVD103/DVD653/DVD653E)			
						C2114	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
								(DVD103/DVD653/DVD653E)			
						C2115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
								(DVD103/DVD653/DVD653E)			

Ref. No.	Part No.	Description							
C2116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2117	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2123	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2124	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2125	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2127	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2128	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2129	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2130	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2131	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2132	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2133	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2135	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2136	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	(DVD103/DVD653/DVD653E)			
C2137	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2139	1-100-506-91	CERAMIC CHIP	1uF	20%	6.3V				
C2144	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V				
C2201	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2202	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2204	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2205	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2206	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2207	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2208	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2209	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V				
C2210	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V				
C2211	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2212	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V				
C2213	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V				
C2214	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V				
C2215	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2216	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2218	1-125-926-91	TANTAL. CHIP	4.7uF	20%	6.3V				
C2219	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V				
C2220	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2221	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2223	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2224	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	(DVD103/DVD653/DVD653E)			
C2225	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2226	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2227	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	(DVD103/DVD653/DVD653E)			
C2228	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2229	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2230	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2231	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V				
C2232	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	(DVD103/DVD653/DVD653E)			
C2233	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	(DVD103/DVD653/DVD653E)			
C2234	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2235	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2236	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2237	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2238	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2239	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2240	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2241	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2242	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2243	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2244	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
C2245	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2246	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2247	1-109-982-11	CERAMIC CHIP	1uF	10%	10V				
C2248	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V				
C2249	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2250	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2251	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2252	1-164-882-11	CERAMIC CHIP	220PF	5%	16V				
C2301	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2302	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2303	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2304	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2305	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2306	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2307	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2308	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2309	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2311	1-164-852-11	CERAMIC CHIP	12PF	5%	50V				
C2312	1-164-849-11	CERAMIC CHIP	9PF	0.5PF	50V				
C2313	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2314	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2315	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2317	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2318	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2319	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2320	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2321	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2322	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2323	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2325	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2326	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2327	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2328	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2329	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V				
C2330	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2331	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2333	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V				
C2335	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2336	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2337	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				
C2338	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V				

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C2340	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2909	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2343	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2911	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2346	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2912	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2347	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2913	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2348	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2915	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2350	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C2916	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2352	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2917	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V (DVD103/DVD653/DVD653E)
C2354	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2918	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V (DVD103/DVD653/DVD653E)
C2401	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2920	1-165-908-11	CERAMIC CHIP 1uF 10% 10V (DVD103/DVD653/DVD653E)
C2402	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C2951	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2403	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C2952	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2404	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2953	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2405	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2957	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V (DVD103/DVD653/DVD653E)
C2406	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2960	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V (DVD103/DVD653/DVD653E)
C2408	1-135-201-11	TANTAL. CHIP 10uF 20% 4V	C2961	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2409	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2962	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2410	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2963	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2411	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2964	1-165-908-11	CERAMIC CHIP 1uF 10% 10V (DVD103/DVD653/DVD653E)
C2413	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2965	1-165-908-11	CERAMIC CHIP 1uF 10% 10V (DVD103/DVD653/DVD653E)
C2414	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2966	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2415	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2967	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
C2416	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2969	1-165-908-11	CERAMIC CHIP 1uF 10% 10V (DVD103/DVD653/DVD653E)
C2417	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C2970	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V (DVD103/DVD653/DVD653E)
C2418	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C3001	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C2420	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V			< CONNECTOR >
C2701	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	CN1101	1-817-549-11	CONNECTOR, FPC (LIF (NON-ZIF)) 8P
C2702	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V	CN1104	1-817-623-41	CONNECTOR, FPC (ZIF) 45P
C2703	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	CN1105	1-794-410-11	CONNECTOR, FPC (ZIF) 27P
C2704	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V	CN1107	1-774-598-61	CONNECTOR, BOARD TO BOARD 100P
C2705	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	CN1108	1-818-046-11	CONNECTOR, FFC/FPC 20P
C2706	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	CN1109	1-750-630-11	CONNECTOR, FFC/FPC (ZIF) 16P
C2707	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	CN1301	1-794-410-11	CONNECTOR, FPC (ZIF) 27P
C2708	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	CN2701	1-779-328-21	CONNECTOR, FFC/FPC 8P
C2711	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	CN2702	1-817-549-11	CONNECTOR, FPC (LIF (NON-ZIF)) 8P (DVD103/DVD653/DVD653E)
C2712	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	CN3501	1-816-870-11	CONNECTOR, BOARD TO BOARD 60P
C2713	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V			
C2714	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V			
C2716	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V			
C2723	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V			
C2725	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V			
C2726	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V			
C2727	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V			
C2901	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)			
C2902	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)			
C2903	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)			
C2904	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V (DVD103/DVD653/DVD653E)			
C2905	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V (DVD103/DVD653/DVD653E)			
C2906	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V (DVD103/DVD653/DVD653E)			
C2907	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)			
C2908	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V (DVD103/DVD653/DVD653E)			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
		< DIODE >			
D1103	8-719-056-85	DIODE UDJ-TE-17-8.2B	IC2203	8-759-675-54	IC TC7W53FK (TE85R) (DVD103/DVD653/DVD653E)
D1301	8-719-988-61	DIODE 1SS355TE-17	IC2301	8-753-239-14	IC CXD3186AGG-T6
D1302	8-719-075-62	DIODE 1SS401 (TE85L)	IC2303	6-704-974-01	IC AK6512CAS-E2
D2302	8-719-056-48	DIODE 1SS388 (TPL3)	IC2401	not supplied	IC PH28F640W30BD70-001 (Note)
D2303	8-719-083-91	DIODE EDZ TE61 6.8B	IC2402	6-707-560-01	IC K4S56163LF-ZG75T
D2304	8-719-083-91	DIODE EDZ TE61 6.8B	IC2403	6-707-559-01	IC K4S28323LF-HN75T
D2305	8-719-083-91	DIODE EDZ TE61 6.8B	IC2701	6-707-725-01	IC BH7875GLU-E2
D2701	6-500-776-01	DIODE MAZW068H0LS0	IC2901	6-707-153-01	IC TMS320DA260ZWFR (DVD103/DVD653/DVD653E)
D2702	6-500-776-01	DIODE MAZW068H0LS0 (DVD103/DVD653/DVD653E)	IC2902	6-707-098-01	IC TPS73216DBVR (DVD103/DVD653/DVD653E)
D2703	6-500-776-01	DIODE MAZW068H0LS0	IC2903	6-707-330-01	IC AK4554VL-L (DVD103/DVD653/DVD653E)
		< FERRITE BEAD >	IC2904	6-707-664-01	IC BH30FB1WG-TR (DVD103/DVD653/DVD653E)
FB1101	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	IC2951	6-707-435-01	IC AN12921A-VB (DVD103/DVD653/DVD653E)
FB1102	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	IC3001	6-706-663-01	IC NJW5210RB1
FB1103	1-500-444-11	FERRITE, EMI (SMD) (1608)			< COIL >
FB1104	1-500-444-11	FERRITE, EMI (SMD) (1608)	L1201	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB1201	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L1301	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB1202	1-500-283-11	INDUCTOR, FERRITE BEAD	L1302	1-414-771-91	INDUCTOR 10uH
FB2001	1-414-760-21	FERRITE, EMI (SMD) (1608)	L2101	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB2101	1-414-760-21	FERRITE, EMI (SMD) (1608)	L2102	1-469-845-11	INDUCTOR 4.7uH
FB2103	1-414-760-21	FERRITE, EMI (SMD) (1608)	L2103	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB2104	1-414-760-21	FERRITE, EMI (SMD) (1608)	L2104	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH (DVD103/DVD653/DVD653E)
FB2302	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2201	1-414-771-91	INDUCTOR 10uH
FB2303	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2202	1-414-771-91	INDUCTOR 10uH
FB2304	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2203	1-414-771-91	INDUCTOR 10uH
FB2305	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2204	1-414-771-91	INDUCTOR 10uH
FB2306	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2205	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB2307	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2206	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB2401	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2207	1-414-771-91	INDUCTOR 10uH
FB2402	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2208	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB2403	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2304	1-469-845-11	INDUCTOR 4.7uH
FB3001	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2305	1-469-845-11	INDUCTOR 4.7uH
		< IC >	L2306	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC1201	6-707-295-01	IC VSP995GSKR	L2701	1-469-847-11	INDUCTOR 100uH
IC1301	8-759-359-49	IC NJM3414AV (TE2)	L2902	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH (DVD103/DVD653/DVD653E)
IC1302	8-759-359-49	IC NJM3414AV (TE2)	L2951	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH (DVD103/DVD653/DVD653E)
IC1305	8-759-681-42	IC NJM12902V (TE2)	L2952	1-414-771-91	INDUCTOR 10uH (DVD103/DVD653/DVD653E)
IC1306	8-759-681-42	IC NJM12902V (TE2)			< LINE FILTER >
IC1307	6-703-889-01	IC M50237WG-DF0T (DVD103/DVD653/DVD653E)	LF1101	1-456-984-11	COIL,COMMONMODECHOKE (SMD1210)
IC1307	6-706-005-01	IC BD6756GLV-E2 (DVD602/DVD602E/DVD92/DVD92E)			< TRANSISTOR >
IC1308	8-752-377-38	IC CXD2430N (DVD103/DVD653/DVD653E)	Q1101	8-729-053-29	TRANSISTOR DTA143TMT2L
IC2001	6-805-351-01	IC MB91195LGL-G-129-ERE1	Q1102	6-550-102-01	TRANSISTOR 2SC5663T2L
IC2002	6-704-973-01	IC AK6510CS-E2	Q1301	8-729-052-66	TRANSISTOR 2SC4617HT2L
IC2101	6-707-387-01	IC HG76CS039BRTLTV	Q1302	8-729-054-51	TRANSISTOR UP04116008S0
IC2102	6-702-058-01	IC MD56V62160E-10LAZ03B	Q1303	8-729-052-66	TRANSISTOR 2SC4617HT2L
IC2103	8-759-592-49	IC TC7SZ125FU (TE85R)	Q1306	6-550-232-01	TRANSISTOR 2SA2029T2LQ/R
IC2201	6-707-435-01	IC AN12921A-VB	Q1307	8-729-053-52	TRANSISTOR HN1C01FE-Y/GR (TPLR3)
IC2202	6-707-330-01	IC AK4554VL-L	Q1308	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R
			Q1309	8-729-053-54	TRANSISTOR HN1A01FE-Y/GR (TPLR3)
			Q1310	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R

Note :

A service for IC2401 is not available because an adjustment is required before replacement.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description						
Q2101	6-550-383-01	TRANSISTOR	HN4A71FK (TE85R)	R1353	1-218-980-11	RES-CHIP	180K	5%	1/16W		
Q2102	6-550-383-01	TRANSISTOR	HN4A71FK (TE85R)	R1354	1-218-980-11	RES-CHIP	180K	5%	1/16W		
			(DVD103/DVD653/DVD653E)	R1355	1-218-980-11	RES-CHIP	180K	5%	1/16W		
Q2103	6-550-232-01	TRANSISTOR	2SA2029T2LQ/R	R1356	1-218-965-11	RES-CHIP	10K	5%	1/16W		
			(DVD602/DVD602E/DVD92/DVD92E)	R1357	1-218-965-11	RES-CHIP	10K	5%	1/16W		
Q2105	6-550-234-01	TRANSISTOR	UNR32A300LS0	R1358	1-218-990-11	SHORT CHIP	0				
Q2106	8-729-054-48	TRANSISTOR	UP04601008S0	R1359	1-216-864-11	SHORT CHIP	0				
			(DVD103/DVD653/DVD653E)	R1362	1-218-977-11	RES-CHIP	100K	5%	1/16W		
Q2201	8-729-921-51	TRANSISTOR	2SD1834-T100	R1363	1-218-977-11	RES-CHIP	100K	5%	1/16W		
Q2301	6-550-119-01	TRANSISTOR	DTC144EMT2L	R1364	1-218-969-11	RES-CHIP	22K	5%	1/16W		
Q2302	6-550-237-01	TRANSISTOR	2SC5658T2LQ/R								
		< RESISTOR >		R1365	1-218-969-11	RES-CHIP	22K	5%	1/16W		
R1111	1-218-990-11	SHORT CHIP	0	R1366	1-208-933-11	METAL CHIP	82K	0.5%	1/16W		
			(DVD602/DVD602E/DVD92/DVD92E)	R1367	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W		
R1112	1-218-990-11	SHORT CHIP	0	R1368	1-208-720-11	METAL CHIP	36K	0.5%	1/16W		
			(DVD103/DVD653/DVD653E)	R1369	1-208-943-11	METAL CHIP	220K	0.5%	1/16W		
R1113	1-218-990-11	SHORT CHIP	0	R1370	1-218-965-11	RES-CHIP	10K	5%	1/16W		
R1116	1-218-949-11	RES-CHIP	470	5%	1/16W	R1371	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R1117	1-218-977-11	RES-CHIP	100K	5%	1/16W	R1372	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1118	1-218-989-11	RES-CHIP	1M	5%	1/16W	R1373	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1119	1-216-005-00	RES-CHIP	15	5%	1/10W	R1374	1-218-975-11	RES-CHIP	68K	5%	1/16W
R1120	1-216-005-00	RES-CHIP	15	5%	1/10W	R1375	1-218-975-11	RES-CHIP	68K	5%	1/16W
R1121	1-218-959-11	RES-CHIP	3.3K	5%	1/16W	R2001	1-218-941-81	RES-CHIP	100	5%	1/16W
R1201	1-218-937-11	RES-CHIP	47	5%	1/16W	R2002	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1202	1-218-990-11	SHORT CHIP	0			R2004	1-218-977-11	RES-CHIP	100K	5%	1/16W
			(DVD602/DVD602E/DVD92/DVD92E)	R2005	1-218-965-11	RES-CHIP	10K	5%	1/16W		
R1303	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2007	1-218-990-11	SHORT CHIP	0		
R1304	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2011	1-218-990-11	SHORT CHIP	0		
R1307	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2016	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1308	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2017	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1313	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2018	1-218-985-11	RES-CHIP	470K	5%	1/16W
R1314	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2019	1-218-977-11	RES-CHIP	100K	5%	1/16W
R1317	1-218-990-11	SHORT CHIP	0			R2020	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R1318	1-218-990-11	SHORT CHIP	0			R2021	1-218-989-11	RES-CHIP	1M	5%	1/16W
R1319	1-218-990-11	SHORT CHIP	0			R2022	1-218-989-11	RES-CHIP	1M	5%	1/16W
R1320	1-218-990-11	SHORT CHIP	0			R2025	1-218-990-11	SHORT CHIP	0		
R1321	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2026	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1322	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2027	1-218-977-11	RES-CHIP	100K	5%	1/16W
R1323	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2028	1-218-990-11	SHORT CHIP	0		
R1324	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2031	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1330	1-216-001-00	RES-CHIP	10	5%	1/10W	R2032	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1331	1-218-941-81	RES-CHIP	100	5%	1/16W	R2033	1-218-953-11	RES-CHIP	1K	5%	1/16W
R1333	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2034	1-216-864-11	SHORT CHIP	0		
R1334	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2035	1-218-977-11	RES-CHIP	100K	5%	1/16W
R1335	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2036	1-218-977-11	RES-CHIP	100K	5%	1/16W
R1337	1-218-973-11	RES-CHIP	47K	5%	1/16W	R2037	1-218-953-11	RES-CHIP	1K	5%	1/16W
R1338	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R2110	1-218-949-11	RES-CHIP	470	5%	1/16W
R1339	1-218-977-11	RES-CHIP	100K	5%	1/16W						(DVD103/DVD653/DVD653E)
R1340	1-218-985-11	RES-CHIP	470K	5%	1/16W	R2111	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1341	1-208-911-11	METAL CHIP	10K	0.5%	1/16W						(DVD103/DVD653/DVD653E)
R1342	1-208-715-11	METAL CHIP	22K	0.5%	1/16W	R2112	1-218-990-11	SHORT CHIP	0		
R1343	1-218-968-11	RES-CHIP	18K	5%	1/16W	R2113	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R1344	1-218-969-11	RES-CHIP	22K	5%	1/16W						(DVD602/DVD602E/DVD92/DVD92E)
R1345	1-218-980-11	RES-CHIP	180K	5%	1/16W	R2121	1-218-969-11	RES-CHIP	22K	5%	1/16W
R1346	1-218-947-11	RES-CHIP	330	5%	1/16W						(DVD103/DVD653/DVD653E)
R1347	1-218-972-11	RES-CHIP	39K	5%	1/16W	R2122	1-218-990-11	SHORT CHIP	0		
R1348	1-218-980-11	RES-CHIP	180K	5%	1/16W	R2123	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R1349	1-218-969-11	RES-CHIP	22K	5%	1/16W	R2124	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R1351	1-218-953-11	RES-CHIP	1K	5%	1/16W	R2125	1-218-966-11	RES-CHIP	12K	5%	1/16W
R1352	1-218-962-11	RES-CHIP	5.6K	5%	1/16W	R2127	1-208-671-11	METAL CHIP	330	0.5%	1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R2129	1-208-873-81	METAL CHIP	270	0.5%	1/16W
R2130	1-208-873-81	METAL CHIP	270	0.5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2133	1-218-966-11	RES-CHIP	12K	5%	1/16W
R2136	1-208-873-81	METAL CHIP	270	0.5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2137	1-218-945-11	RES-CHIP	220	5%	1/16W
R2139	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R2141	1-218-960-11	RES-CHIP	3.9K	5%	1/16W
R2144	1-218-944-11	RES-CHIP	180	5%	1/16W
R2150	1-218-990-11	SHORT CHIP	0		
R2151	1-218-965-11	RES-CHIP	10K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2154	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2158	1-218-945-11	RES-CHIP	220	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2159	1-218-949-11	RES-CHIP	470	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2201	1-218-935-11	RES-CHIP	33	5%	1/16W
R2202	1-218-935-11	RES-CHIP	33	5%	1/16W
R2203	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2204	1-218-935-11	RES-CHIP	33	5%	1/16W
R2205	1-218-960-11	RES-CHIP	3.9K	5%	1/16W
R2206	1-218-971-11	RES-CHIP	33K	5%	1/16W
R2207	1-218-935-11	RES-CHIP	33	5%	1/16W
R2208	1-218-935-11	RES-CHIP	33	5%	1/16W
R2209	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R2210	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2211	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2212	1-218-935-11	RES-CHIP	33	5%	1/16W
R2213	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2214	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2215	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2216	1-218-953-11	RES-CHIP	1K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2217	1-218-953-11	RES-CHIP	1K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2220	1-218-990-11	SHORT CHIP	0		
		(DVD103/DVD653/DVD653E)			
R2221	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2222	1-218-990-11	SHORT CHIP	0		
		(DVD602/DVD602E/DVD92/DVD92E)			
R2230	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2231	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2232	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2233	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2238	1-218-941-81	RES-CHIP	100	5%	1/16W
R2239	1-218-941-81	RES-CHIP	100	5%	1/16W
R2240	1-218-949-11	RES-CHIP	470	5%	1/16W
R2241	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R2301	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2305	1-208-679-11	METAL CHIP	680	0.5%	1/16W
R2306	1-218-990-11	SHORT CHIP	0		
R2312	1-218-990-11	SHORT CHIP	0		
R2313	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2314	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2316	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2317	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2318	1-218-973-11	RES-CHIP	47K	5%	1/16W
R2323	1-218-967-11	RES-CHIP	15K	5%	1/16W
R2324	1-218-985-11	RES-CHIP	470K	5%	1/16W
R2329	1-218-990-11	SHORT CHIP	0		
R2332	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2338	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2364	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2366	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2367	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R2368	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2369	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2372	1-218-990-11	SHORT CHIP	0		
R2373	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2376	1-218-990-11	SHORT CHIP	0		
		(DVD602/DVD602E/DVD92/DVD92E)			
R2702	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
R2703	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
R2704	1-218-972-11	RES-CHIP	39K	5%	1/16W
R2705	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
R2706	1-218-972-11	RES-CHIP	39K	5%	1/16W
R2707	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
R2709	1-218-967-11	RES-CHIP	15K	5%	1/16W
R2710	1-218-967-11	RES-CHIP	15K	5%	1/16W
R2715	1-220-190-11	RES-CHIP	4.3K	5%	1/16W
R2716	1-220-190-11	RES-CHIP	4.3K	5%	1/16W
R2721	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R2722	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R2725	1-218-981-11	RES-CHIP	220K	5%	1/16W
R2726	1-218-990-11	SHORT CHIP	0		
R2727	1-218-990-11	SHORT CHIP	0		
R2728	1-218-990-11	SHORT CHIP	0		
		(DVD103/DVD653/DVD653E)			
R2729	1-218-990-11	SHORT CHIP	0		
		(DVD103/DVD653/DVD653E)			
R2730	1-218-990-11	SHORT CHIP	0		
R2731	1-218-990-11	SHORT CHIP	0		
R2904	1-218-977-11	RES-CHIP	100K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2905	1-218-977-11	RES-CHIP	100K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2910	1-218-977-11	RES-CHIP	100K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2918	1-218-977-11	RES-CHIP	100K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2919	1-218-977-11	RES-CHIP	100K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2954	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2955	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2956	1-218-972-11	RES-CHIP	39K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
R2957	1-218-972-11	RES-CHIP	39K	5%	1/16W
		(DVD103/DVD653/DVD653E)			
< COMPOSITION CIRCUIT BLOCK >					
RB1302	1-234-400-21	CONDUCTOR, NETWORK	(2010X4)		
RB1304	1-234-400-21	CONDUCTOR, NETWORK	(2010X4)		
RB2001	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB2002	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB2101	1-234-377-21	RES, NETWORK	4.7K (1005X4)		
		(DVD103/DVD653/DVD653E)			


<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
RB2102	1-234-377-21	RES, NETWORK 4.7K (1005X4)
RB2401	1-234-375-21	RES, NETWORK 1K (1005X4)
RB2402	1-234-375-21	RES, NETWORK 1K (1005X4)
RB2403	1-234-378-21	RES, NETWORK 10K (1005X4)
RB2404	1-234-378-21	RES, NETWORK 10K (1005X4)

< VARISTOR >

VD1101	1-803-974-21	VARISTOR, CHIP (1608)
VD1102	1-801-923-11	VARISTOR, CHIP (1608)
VD1103	1-801-923-11	VARISTOR, CHIP (1608)
VD1104	1-801-923-11	VARISTOR, CHIP (1608)

< VIBRATOR >

X2001	1-767-205-21	VIBRATOR, CRYSTAL (20MHz)
X2301	1-813-090-11	VIBRATOR, CRYSTAL (12MHz)



DCR-DVD92/DVD92E/DVD103/DVD602/ DVD602E/DVD653/DVD653E RMT-835

SONY®

SERVICE MANUAL

Ver. 1.4 2006. 09

LEVEL 3

DCR-DVD92/DVD103

US Model

Canadian Model

DCR-DVD92E

AEP Model

UK Model

North European Model

DCR-DVD602E/

DVD653E

Australian Model

Chinese Model

DCR-DVD602

Korea Model

DCR-DVD92/DVD103/

DVD602/DVD602E/

DVD653/DVD653E

E Model

DCR-DVD653/DVD653E

Tourist Model

DCR-DVD92

Brazilian Model

DCR-DVD103

Argentina Model


DCR-DVD653E















Hong Kong Model

SUPPLEMENT-2

File this supplement-2 with the service manual.
(DI06-070)

- Addition of chinese model for DCR-DVD602E/DVD653E

 : Added portion

Page	Before change	After change								
1	<p>DCR-DVD602E/ DVD653E Australian Model</p>	<p>DCR-DVD602E/ DVD653E Australian Model Chinese Model </p>								
2	Before change									
	<p>Table for difference of function</p> <table border="1"> <thead> <tr> <th></th> <th>DVD602E</th> <th>DVD653E</th> </tr> </thead> <tbody> <tr> <td>Destination</td> <td>E, AUS</td> <td>E, HK, AUS, JE</td> </tr> <tr> <td>Color System</td> <td>PAL</td> <td>PAL</td> </tr> </tbody> </table>			DVD602E	DVD653E	Destination	E, AUS	E, HK, AUS, JE	Color System	PAL
	DVD602E	DVD653E								
Destination	E, AUS	E, HK, AUS, JE								
Color System	PAL	PAL								
After change										
<p>Table for difference of function</p> <table border="1"> <thead> <tr> <th></th> <th>DVD602E</th> <th>DVD653E</th> </tr> </thead> <tbody> <tr> <td>Destination</td> <td>E, AUS, CH </td> <td>E, HK, AUS, JE, CH </td> </tr> <tr> <td>Color System</td> <td>PAL </td> <td>PAL </td> </tr> </tbody> </table> <p>• Abbreviation CH : Chinese model </p>			DVD602E	DVD653E	Destination	E, AUS, CH 	E, HK, AUS, JE, CH 	Color System	PAL 	PAL 
	DVD602E	DVD653E								
Destination	E, AUS, CH 	E, HK, AUS, JE, CH 								
Color System	PAL 	PAL 								

DCR-DVD92/DVD92E/DVD103/DVD602/ DVD602E/DVD653/DVD653E RMT-835

SONY

SERVICE MANUAL

Ver. 1.5 2007.09

This SUPPLEMENT-3 is the revised version of SUPPLEMENT-1.
Replace the SUPPLEMENT-1 (9-876-865-84) with the SUPPLEMENT-3.
Please discard the SUPPLEMENT-1.

LEVEL 3

DCR-DVD92/DVD103

US Model

Canadian Model

DCR-DVD92E

AEP Model

UK Model

North European Model

DCR-DVD602E/

DVD653E

Australian Model

Chinese Model

DCR-DVD602

Korea Model

DCR-DVD92/DVD103/

DVD602/DVD602E/

DVD653/DVD653E

E Model

DCR-DVD653/DVD653E

Tourist Model

DCR-DVD92

Brazilian Model

DCR-DVD103

Argentina Model

DCR-DVD653E

Hong Kong Model

SUPPLEMENT-3

File this supplement-3 with the service manual.
(DI07-113)

Subject:

- Change of boards suffix number
(MD-114 Board/VC-395 Board)
- Change of organization boards
- Change of schematic diagrams
- Change of repair parts list

• Change of boards suffix number

Old suffix		New suffix	
MD-114	1-863-772- 11	MD-114	1-863-772- 22
MD-120	1-866-564- 11	MD-120	1-866-564- 11 (No change)
VC-395	1-863-769- 11	VC-395	1-863-769- 12

• Change of organization boards

Old type	New type
<ul style="list-style-type: none"> • CD-563 BOARD (CCD IMAGER, TG, PITCH/YAW SENSOR AMP) 	<ul style="list-style-type: none"> • FP-308 FLEXIBLE BOARD (RELAY) (Including the CD-590, TG-020, SE-164, FL-152 and CN-257 board) <ul style="list-style-type: none"> • CD-590 BOARD (CCD IMAGER) • TG-020 BOARD (TIMING GENERATOR) • SE-164 BOARD (PITCH/YAW SENSOR AMP) • FL-152 BOARD (BUFFER) • CN-257 BOARD (CONNECTOR)
<ul style="list-style-type: none"> • VF-166 BOARD (EVF DRIVER) 	<ul style="list-style-type: none"> • VF-171 BOARD (EVF DRIVER)

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer.

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are “pinched” or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.
6. Flexible Circuit Board Repairing
 - Keep the temperature of the soldering iron around 270°C during repairing.
 - Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
 - Be careful not to apply force on the conductor when soldering or unsoldering.

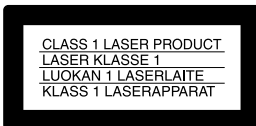
CAUTION :

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

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



WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30 cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

Unleaded solder

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.

Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.

Soldering irons using a temperature regulator should be set to about 350°C.

Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

- Strong viscosity

Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

- Usable with ordinary solder

It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS 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.

CAUTION:

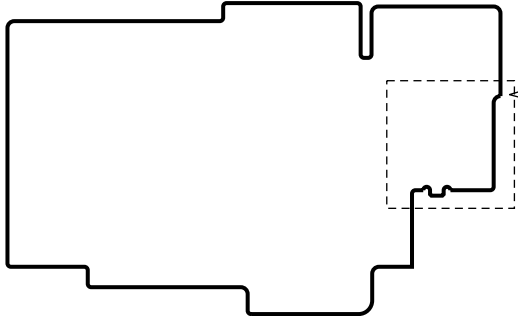
The use of optical instrument with this product will increase eye hazard.

CAUTION

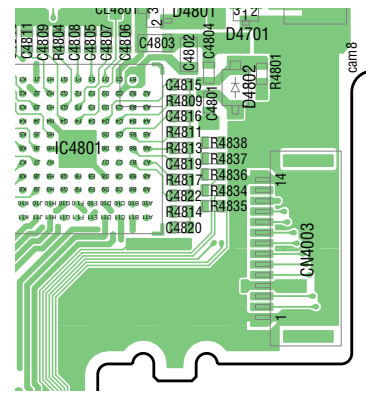
Use of controls or adjustments or performance procedures other than those specified herein may result in hazardous radiation exposure.

• How to identify the printed wiring boards (MD-114 board and VC-395 board)

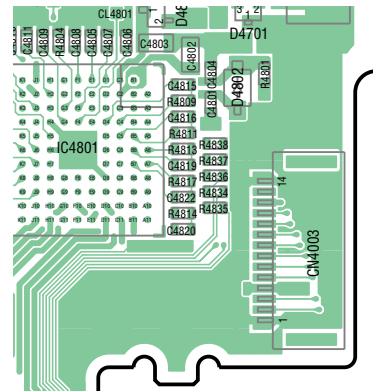
MD-114 BOARD (SIDE A)



Board suffix number -11

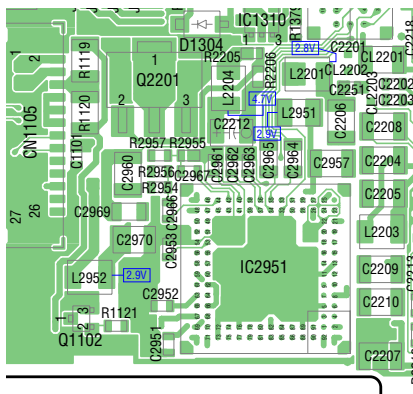


Board suffix number -22

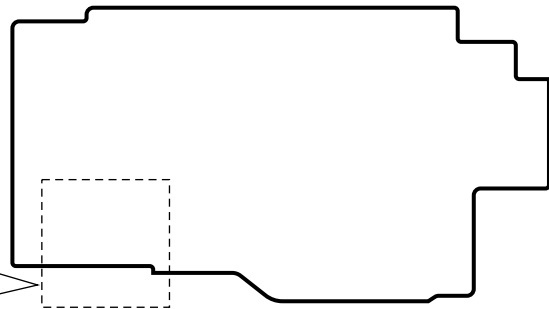
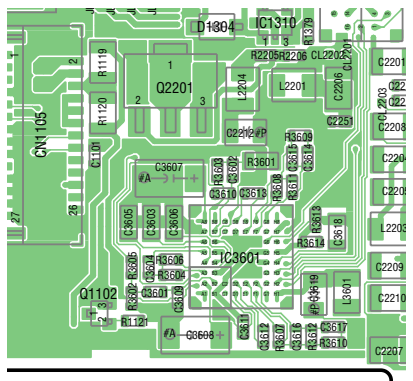


VC-395 BOARD (SIDE A)

Board suffix number -11



Board suffix number -12



• Change of boards suffix number (MD-114 Board/VC-395 Board)

- Note:**
- MD-114 Board (Pattern and parts are changed.)
 - MD-120 Board (Only parts are changed.)
 - VC-395 Board (Pattern and parts are changed.)

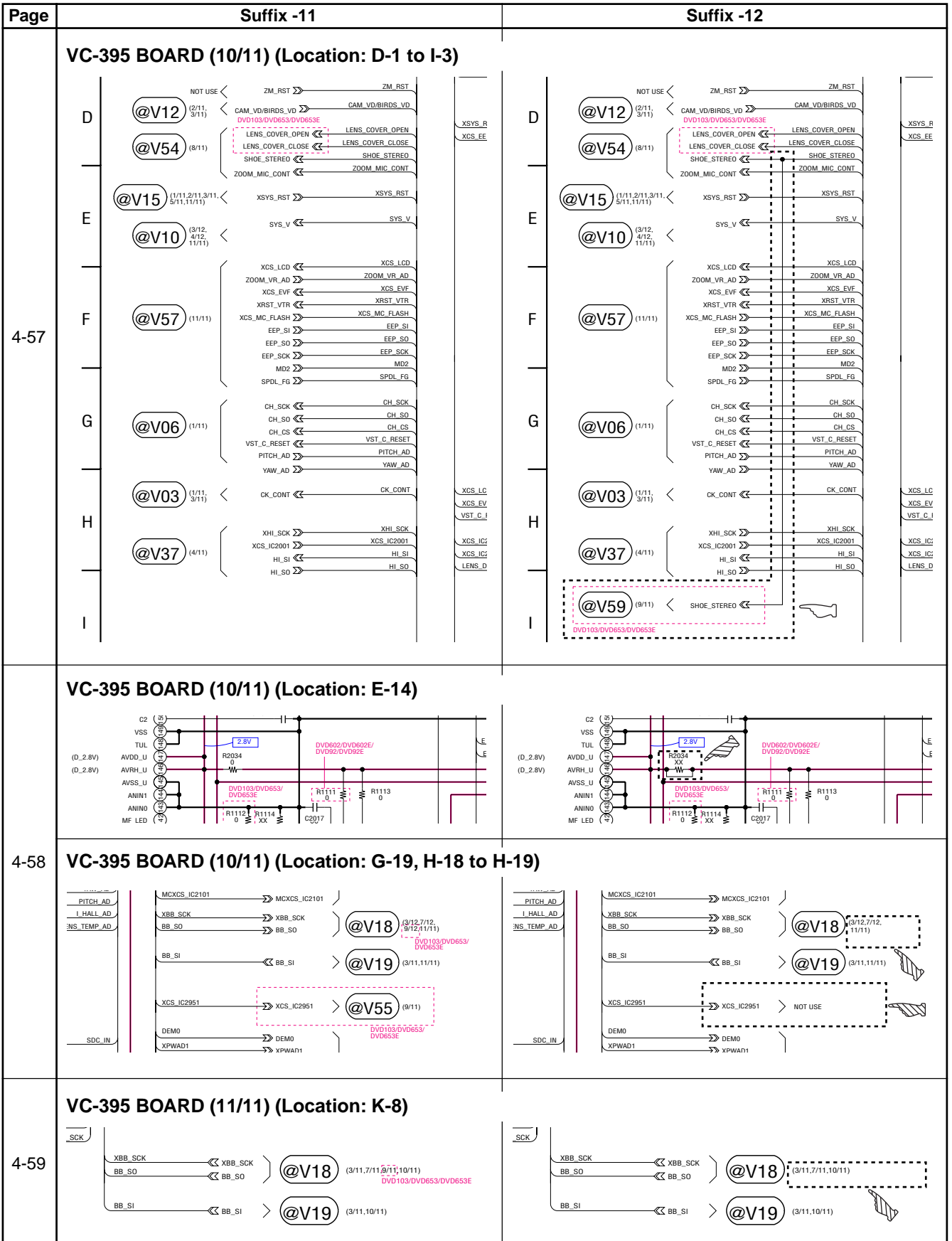
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

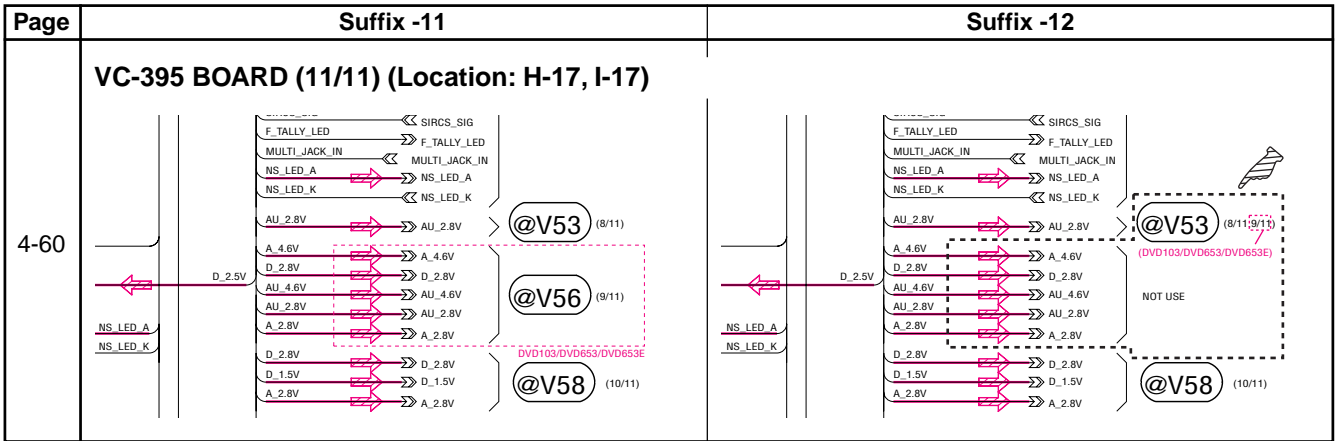
4-2. SCHEMATIC DIAGRAMS

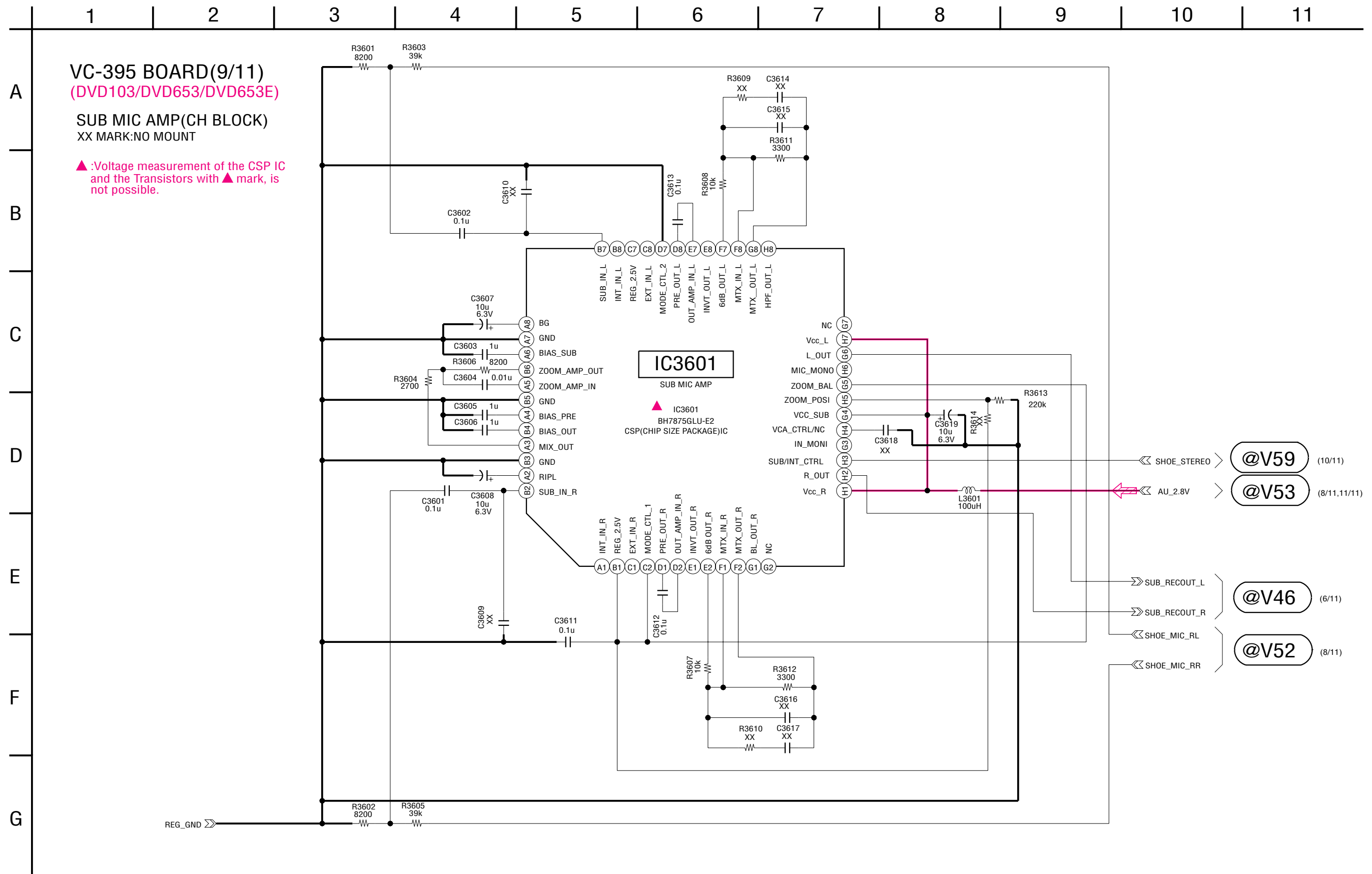
: Changed portion : Added portion

Page	Suffix (MD-114/MD-120) -11/-11	Suffix (MD-114/MD-120) -22/-11
4-23	<p>MD-114/MD-120 BOARD (2/8) (Location: F-6)</p>	
4-23	<p>MD-114/MD-120 BOARD (2/8) (Location: N-7, N-10)</p>	
4-24	<p>MD-114/MD-120 BOARD (2/8) (Location: D-13, E-13)</p>	
4-24	<p>MD-114/MD-120 BOARD (2/8) (Location: K-13)</p>	
4-29	<p>MD-114/MD-120 BOARD (5/8) (Location: F-3)</p>	

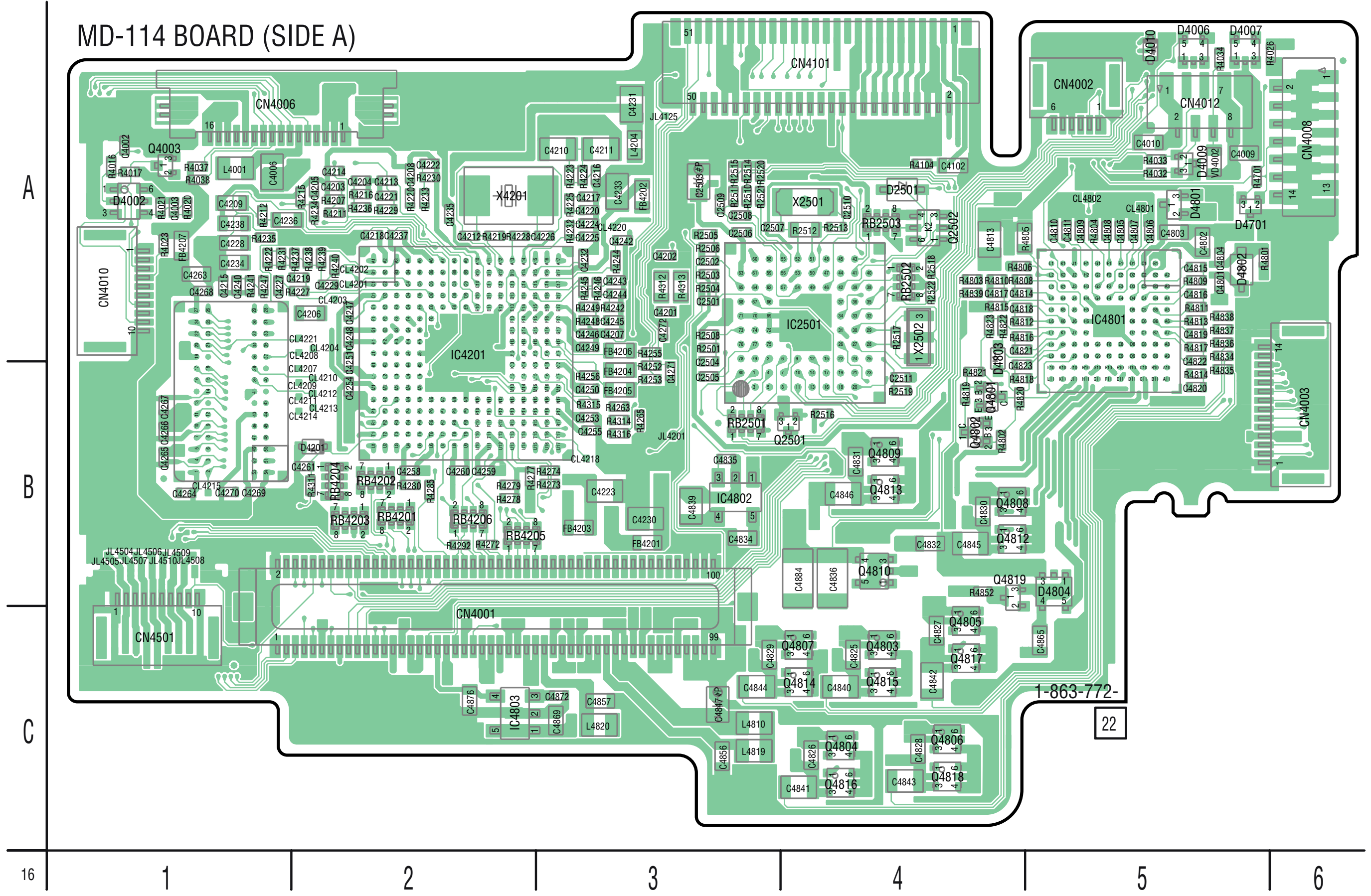
Page	Suffix -11	Suffix -12
4-43	<p>VC-395 BOARD (3/11) (Location: C-1)</p>	
4-44	<p>VC-395 BOARD (3/11) (Location: O-17 to P-18)</p>	
4-46	<p>VC-395 BOARD (4/11) (Location: G-13)</p>	
4-52	<p>VC-395 BOARD (7/11) (Location: E-11 to E-12)</p>	
	<p>VC-395 BOARD (7/11) (Location: B-16 to B-17)</p>	
4-43	<p>VC-395 BOARD (7/11) (Location: I-17)</p>	



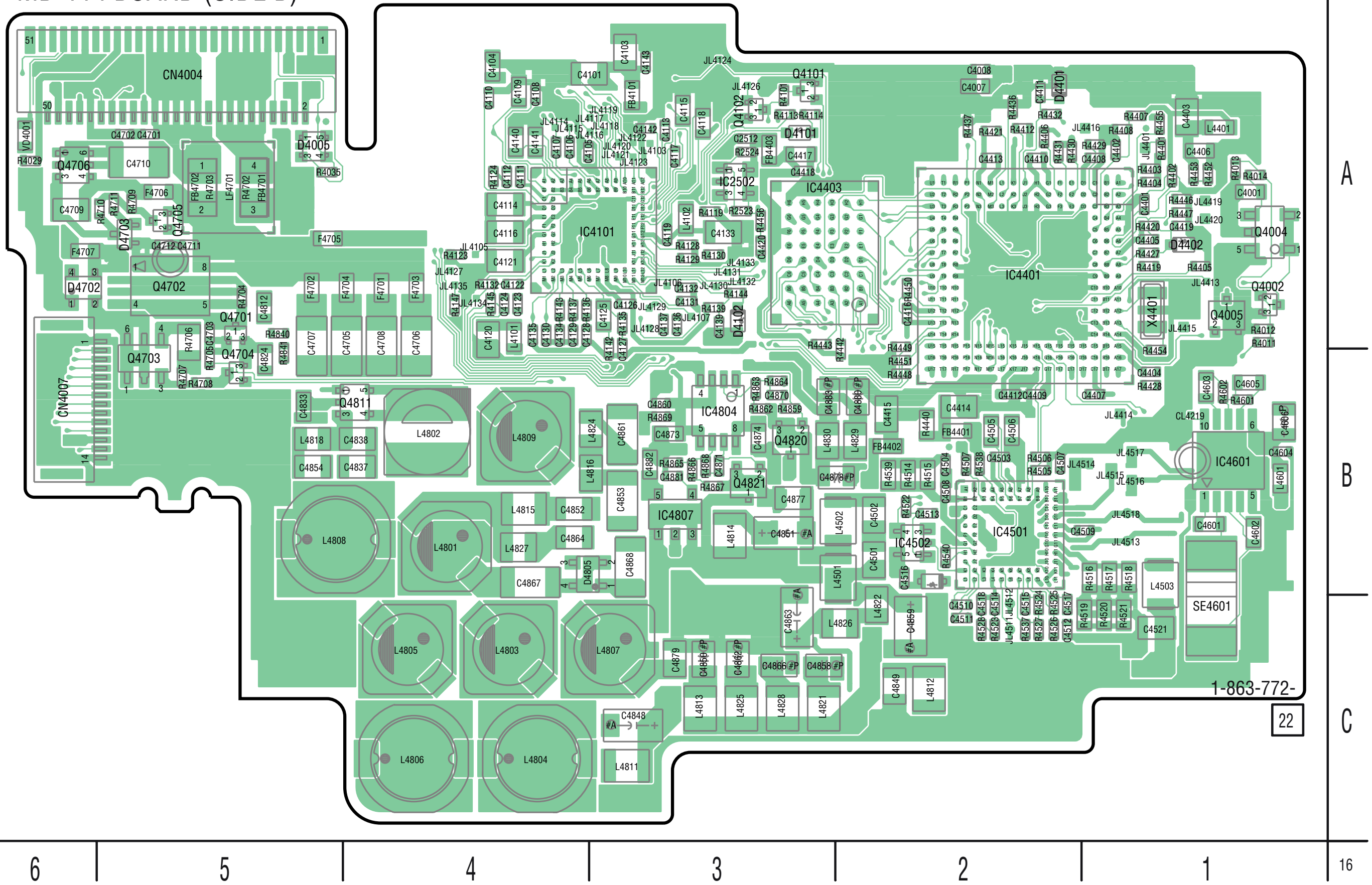




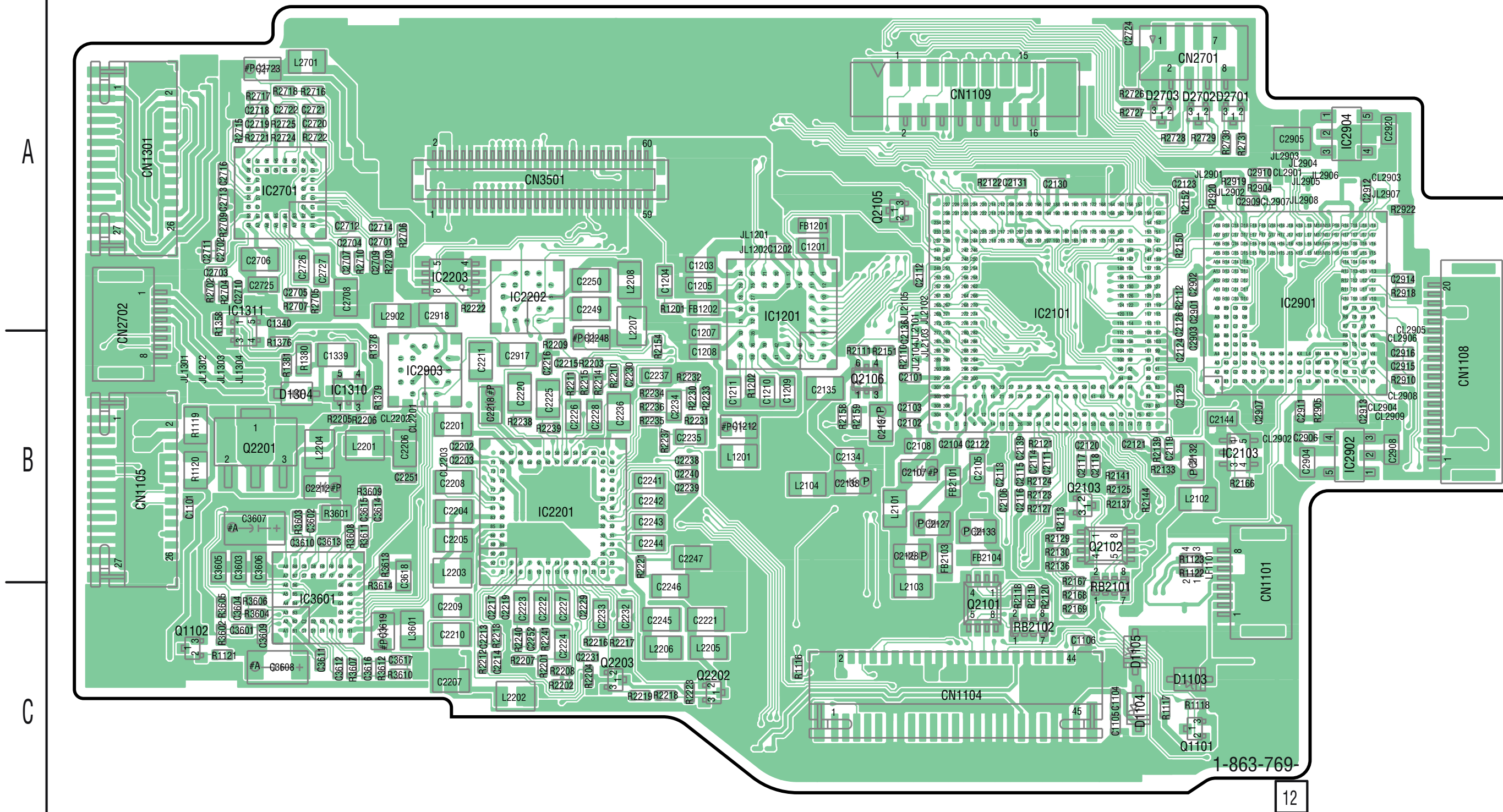
MD-114 BOARD (SIDE A)



MD-114 BOARD (SIDE B)



VC-395 BOARD (SIDE A)



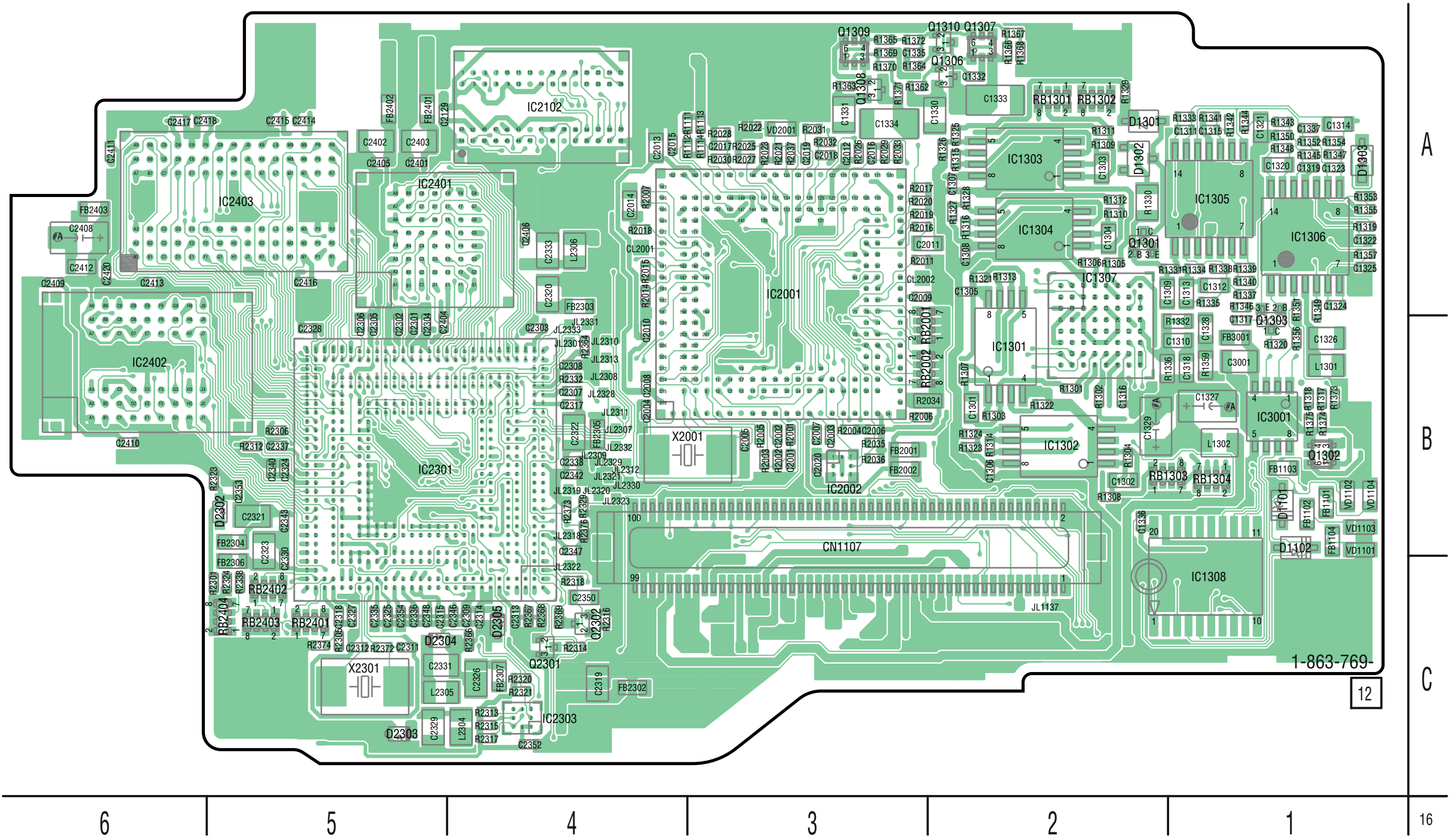
1-863-769-

12

16 1 2 3 4 5 6

• Board suffix number -12 (Page 4-89 of original)


VC-395 BOARD (SIDE B)



5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

- Note:**
- MD-114 Board (Pattern and parts are changed.)
 - MD-120 Board (Only parts are changed.)
 - VC-395 Board (Pattern and parts are changed.)

 : Deleted portion

Page	Suffix (MD-114/MD120) -11/-11	Suffix (MD-114/MD120) -22/-11																																				
5-20	MD-114/MD-120 BOARD																																					
	<table border="1"> <thead> <tr> <th>Ref. No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>R4312</td> <td>1-216-864-11</td> <td>SHORT CHIP 0</td> </tr> <tr> <td>R4313</td> <td>1-216-864-11</td> <td>SHORT CHIP 0</td> </tr> </tbody> </table>	Ref. No.	Part No.	Description	R4312	1-216-864-11	SHORT CHIP 0	R4313	1-216-864-11	SHORT CHIP 0	<table border="1"> <thead> <tr> <th>Ref. No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>	Ref. No.	Part No.	Description	—	—	—	—	—	—																		
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5-22	<table border="1"> <tbody> <tr> <td>R4836</td> <td>1-218-990-11</td> <td>SHORT CHIP 0</td> </tr> <tr> <td>R4837</td> <td>1-218-990-11</td> <td>SHORT CHIP 0</td> </tr> <tr> <td>R4838</td> <td>1-218-990-11</td> <td>SHORT CHIP 0</td> </tr> <tr> <td>R4839</td> <td>1-218-990-11</td> <td>SHORT CHIP 0</td> </tr> <tr> <td>R4840</td> <td>1-218-990-11</td> <td>SHORT CHIP 0</td> </tr> <tr> <td>R4841</td> <td>1-218-990-11</td> <td>SHORT CHIP 0</td> </tr> </tbody> </table>	R4836	1-218-990-11	SHORT CHIP 0	R4837	1-218-990-11	SHORT CHIP 0	R4838	1-218-990-11	SHORT CHIP 0	R4839	1-218-990-11	SHORT CHIP 0	R4840	1-218-990-11	SHORT CHIP 0	R4841	1-218-990-11	SHORT CHIP 0	<table border="1"> <tbody> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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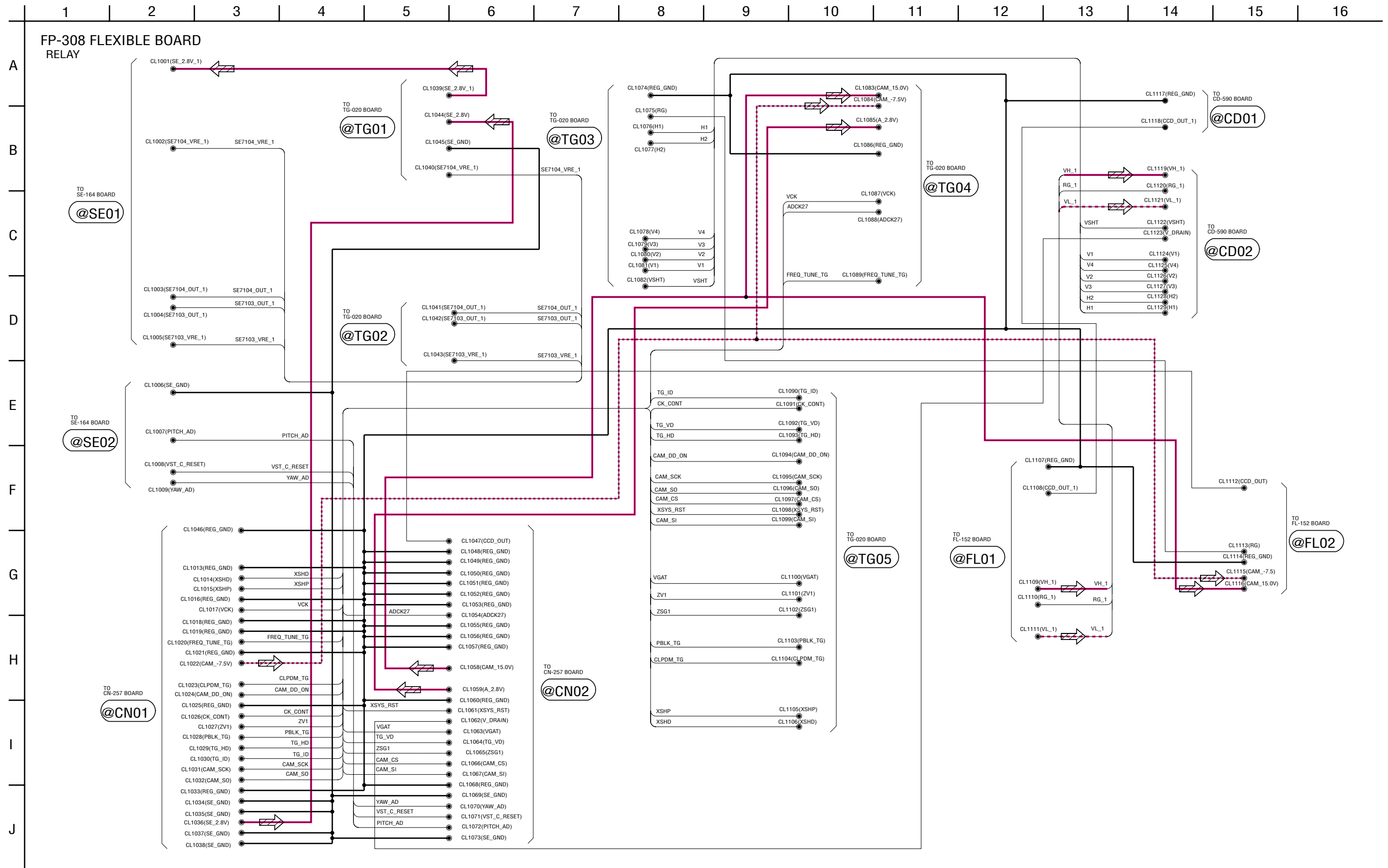
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5-24	VC-395 BOARD	
	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u>	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u>
	—	C3601 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
	—	C3602 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
	—	C3603 1-125-837-91 CERAMIC CHIP 1uF 10% 6.3V (DVD103/DVD653/DVD653E)
	—	C3604 1-164-943-11 CERAMIC CHIP 0.01uF 10% 16V (DVD103/DVD653/DVD653E)
	—	C3605 1-125-837-91 CERAMIC CHIP 1uF 10% 6.3V (DVD103/DVD653/DVD653E)
	—	C3606 1-125-837-91 CERAMIC CHIP 1uF 10% 6.3V (DVD103/DVD653/DVD653E)
	—	C3607 1-135-259-11 TANTAL. CHIP 10uF 20% 6.3V (DVD103/DVD653/DVD653E)
	—	C3608 1-135-259-11 TANTAL. CHIP 10uF 20% 6.3V (DVD103/DVD653/DVD653E)
	—	C3611 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
	—	C3612 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
	—	C3613 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V (DVD103/DVD653/DVD653E)
	—	C3619 1-117-919-11 TANTAL. CHIP 10uF 20% 6.3V (DVD103/DVD653/DVD653E)
5-25	IC2951 6-707-435-01 IC AN12921A-VB (DVD103/DVD653/DVD653E)	—
	—	IC3601 6-707-725-01 IC BH7875GLU-E2 (DVD103/DVD653/DVD653E)
	L2951 1-400-588-11 INDUCTOR, LAMINATE CHIP 10uH (DVD103/DVD653/DVD653E)	—
	L2952 1-414-771-91 INDUCTOR 10uH (DVD103/DVD653/DVD653E)	—
	—	L3601 1-414-170-41 INDUCTOR 100uH (DVD103/DVD653/DVD653E)
5-26	Q2102 6-550-383-01 TRANSISTOR HN4A71FK (TE85R) (DVD103/DVD653/DVD653E)	—
	R2034 1-216-864-11 SHORT CHIP 0	—
	—	R2167 1-218-990-11 SHORT CHIP 0 (DVD103/DVD653/DVD653E)
	—	R2168 1-218-990-11 SHORT CHIP 0 (DVD103/DVD653/DVD653E)
—	R2169 1-218-990-11 SHORT CHIP 0 (DVD103/DVD653/DVD653E)	

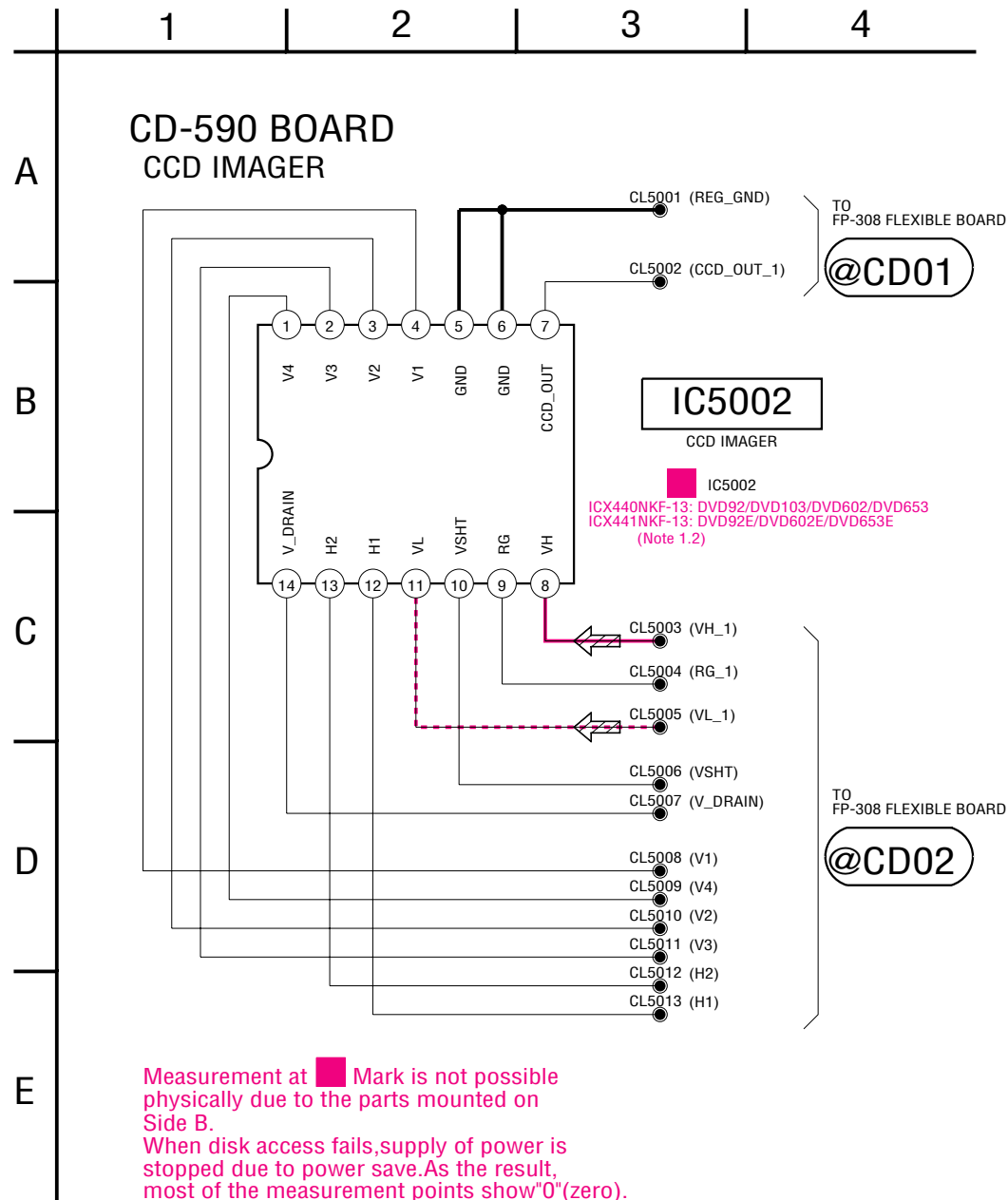
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	VC-395 BOARD	
	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u>	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u>
	R2220 1-218-990-11 SHORT CHIP 0 (DVD103/DVD653/DVD653E)	— — —
	R2329 1-218-990-11 SHORT CHIP 0	— — —
	R2954 1-218-964-11 RES-CHIP 8.2K 5% 1/16W (DVD103/DVD653/DVD653E)	— — —
	R2955 1-218-964-11 RES-CHIP 8.2K 5% 1/16W (DVD103/DVD653/DVD653E)	— — —
	R2956 1-218-972-11 RES-CHIP 39K 5% 1/16W (DVD103/DVD653/DVD653E)	— — —
5-27	R2957 1-218-972-11 RES-CHIP 39K 5% 1/16W (DVD103/DVD653/DVD653E)	— — —
	— — —	R3601 1-216-832-11 RES-CHIP 8.2K 5% 1/10W
	— — —	R3602 1-218-964-11 RES-CHIP 8.2K 5% 1/16W
	— — —	R3603 1-218-972-11 RES-CHIP 39K 5% 1/16W
	— — —	R3604 1-218-958-11 RES-CHIP 2.7K 5% 1/16W
	— — —	R3605 1-218-972-11 RES-CHIP 39K 5% 1/16W
	— — —	R3606 1-218-964-11 RES-CHIP 8.2K 5% 1/16W
	— — —	R3607 1-218-965-11 RES-CHIP 10K 5% 1/16W
	— — —	R3608 1-218-965-11 RES-CHIP 10K 5% 1/16W
	— — —	R3611 1-218-959-11 RES-CHIP 3.3K 5% 1/16W
	— — —	R3612 1-218-959-11 RES-CHIP 3.3K 5% 1/16W
	— — —	R3613 1-218-981-91 RES-CHIP 220K 5% 1/16W
	RB2101 1-234-377-21 RES, NETWORK 4.7K (1005X4) (DVD103/DVD653/DVD653E)	— — —

• Change of organization boards

4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

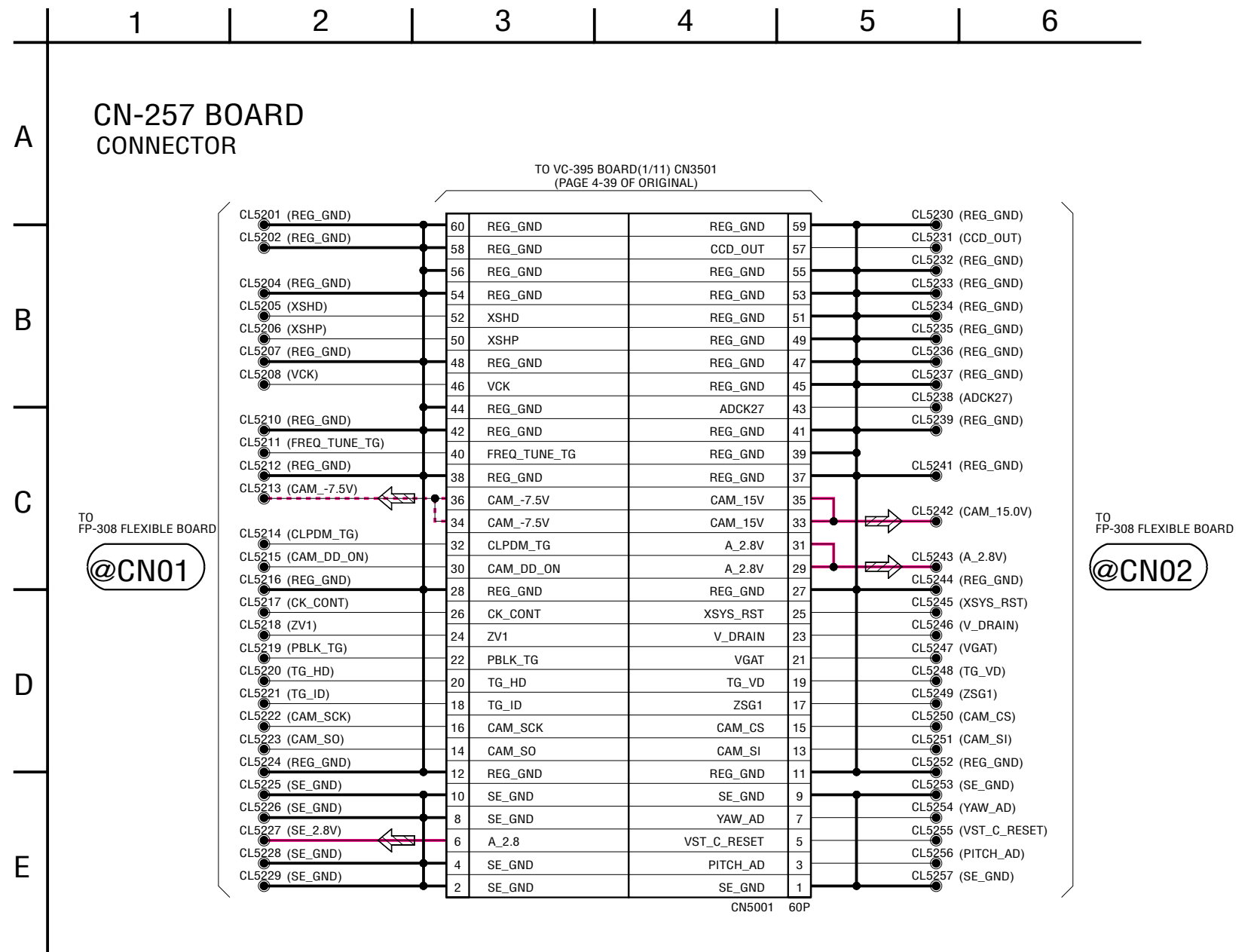
4-2. SCHEMATIC DIAGRAMS





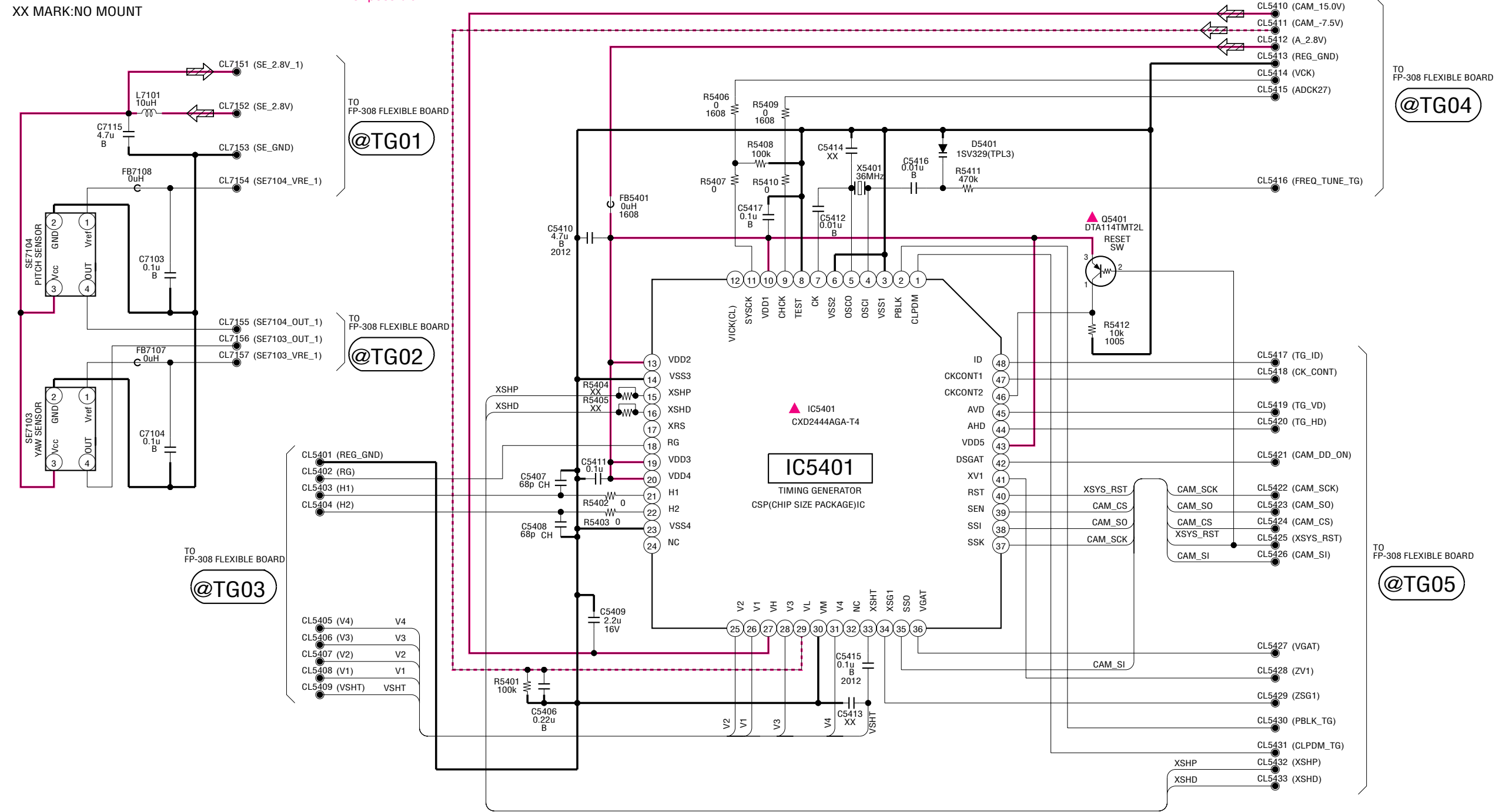
Measurement at ■ Mark is not possible physically due to the parts mounted on Side B.
When disk access fails, supply of power is stopped due to power save. As the result, most of the measurement points show "0" (zero).

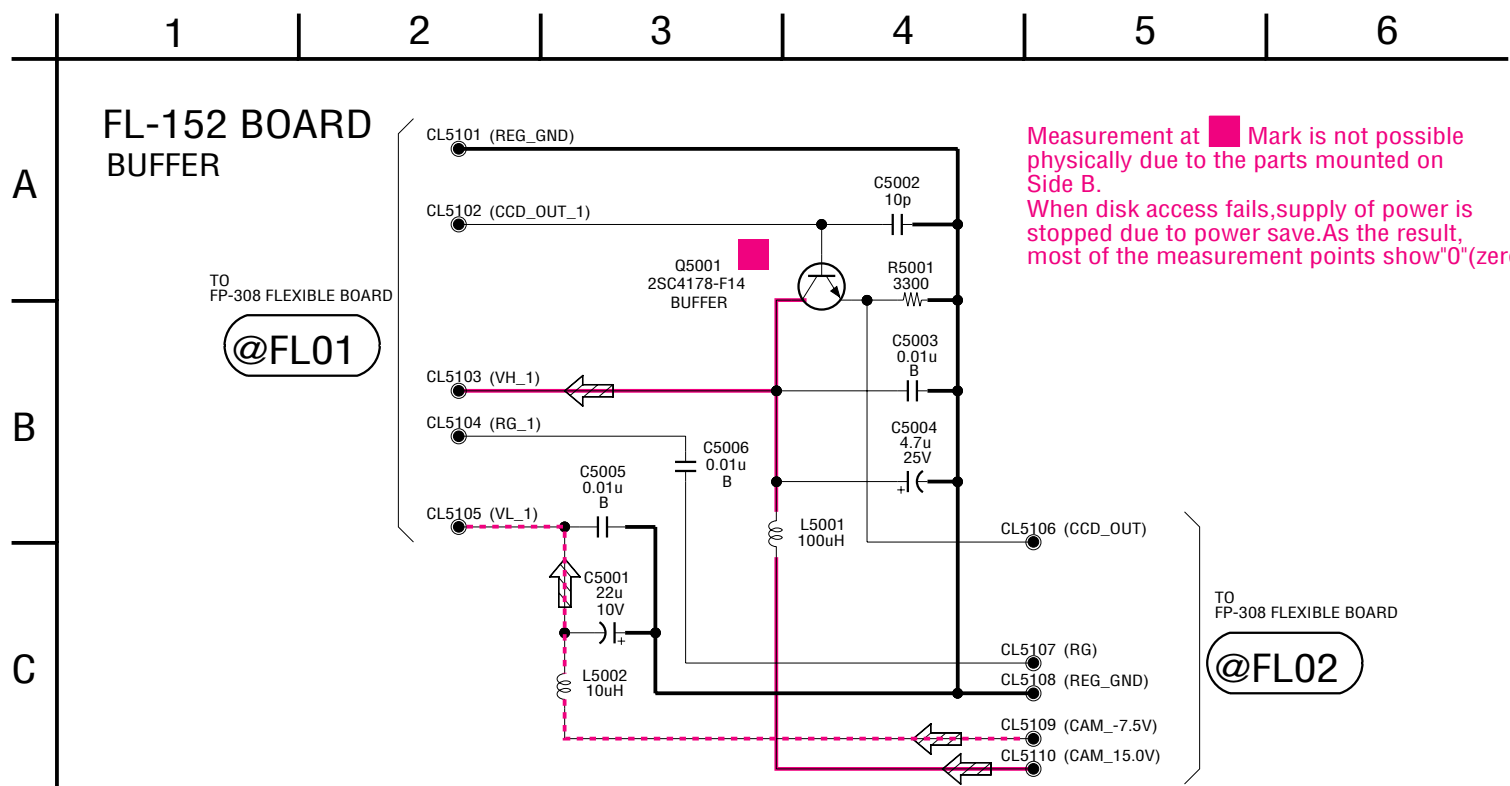
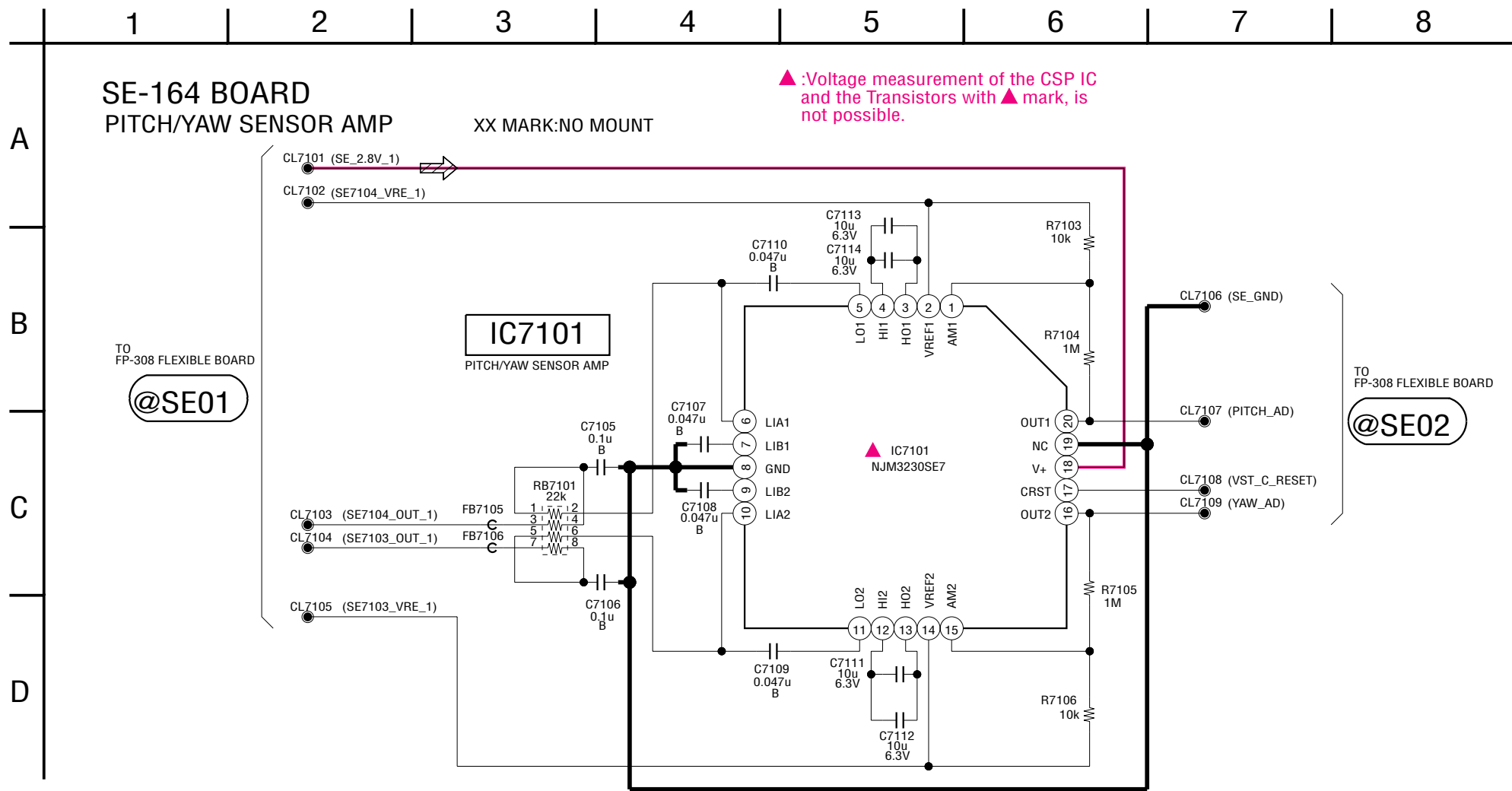
Note1: IC5002 is not included in this mounted of CD-590 board.
Note2: Pin number and index mark of IC5002 are shown as viewed from the bottom.

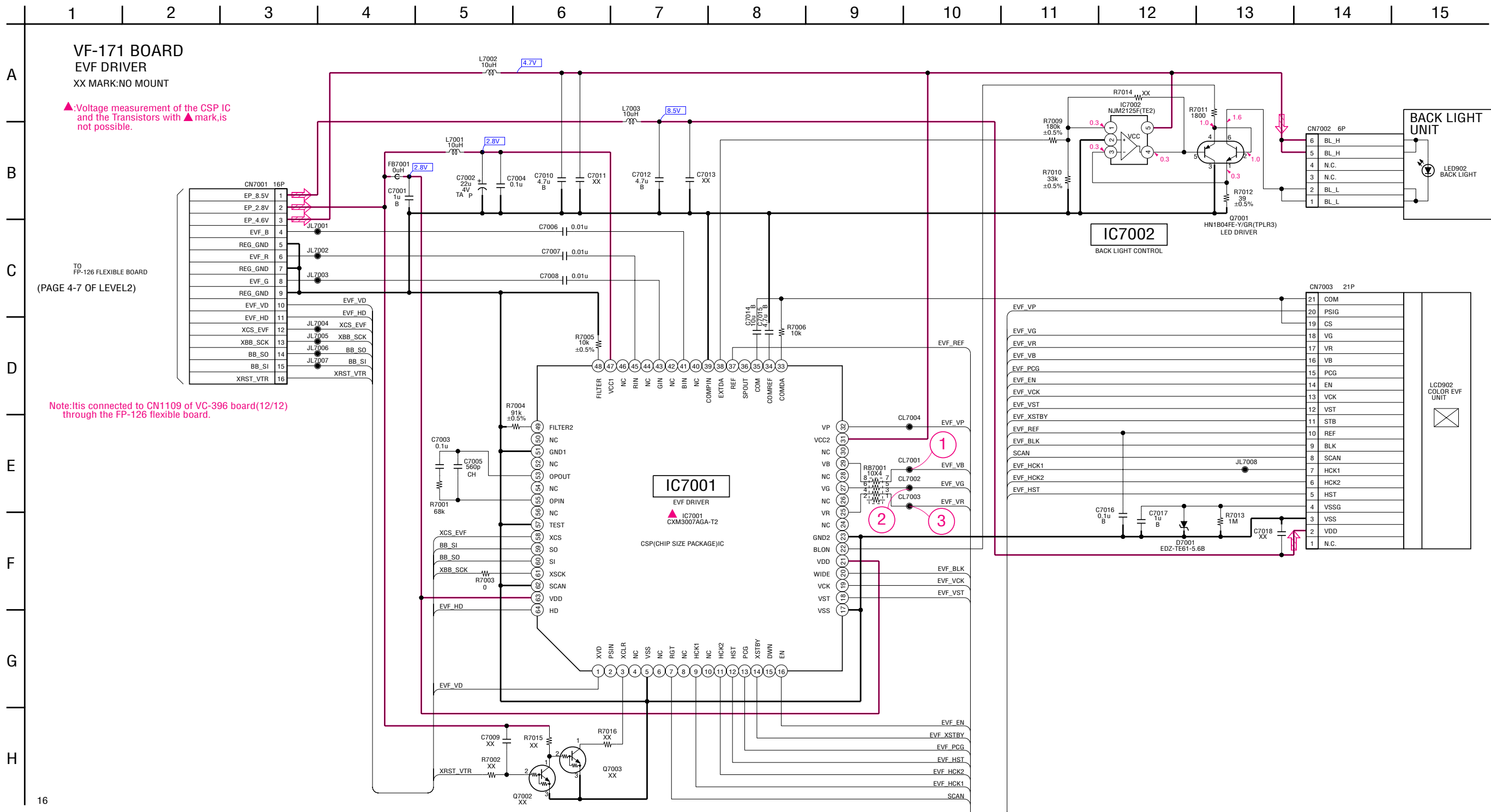


**TG-020 BOARD
TIMING GENERATOR**
XX MARK:NO MOUNT

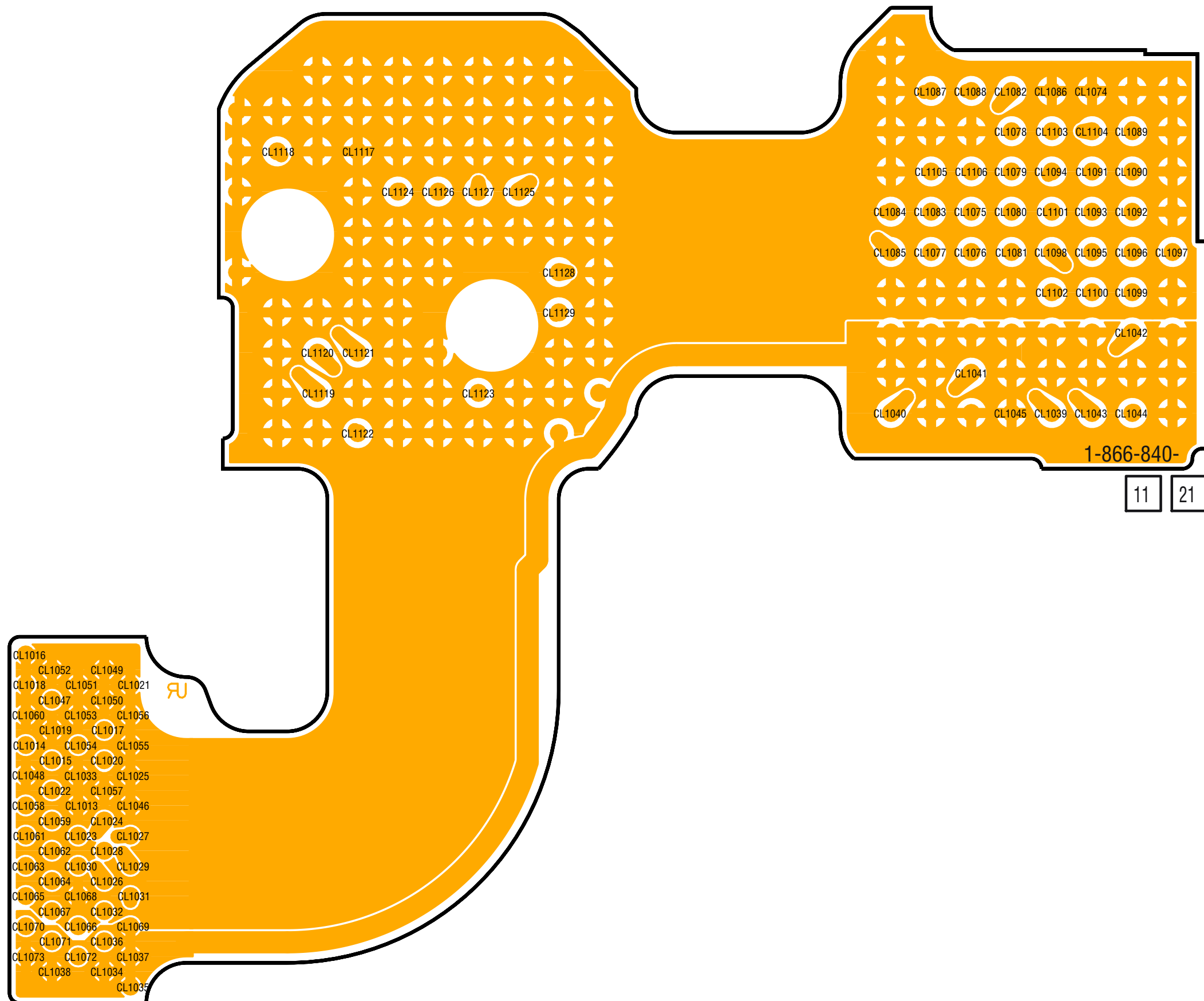
▲ :Voltage measurement of the CSP IC and the Transistors with ▲ mark, is not possible.



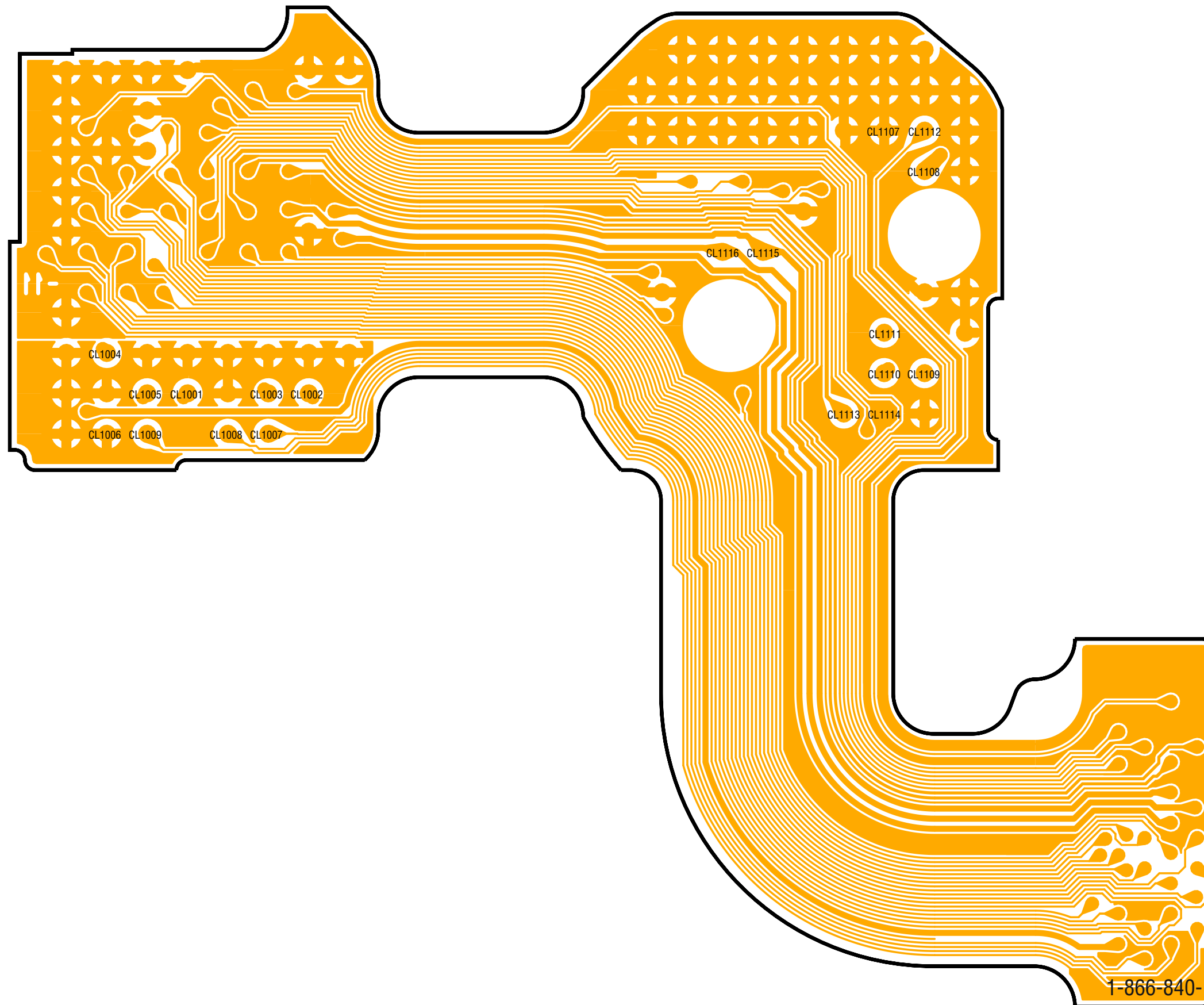




FP-308 FLEXIBLE BOARD (SIDE A)



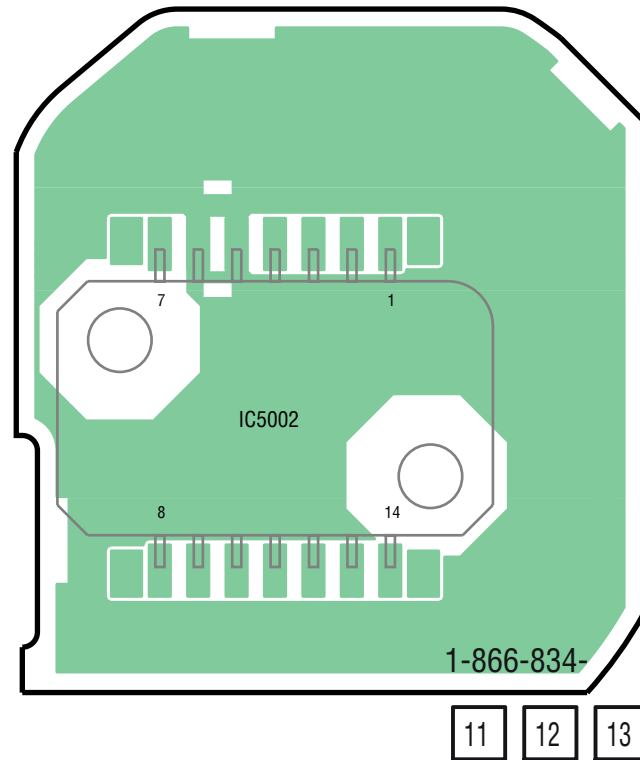
FP-308 FLEXIBLE BOARD (SIDE B)



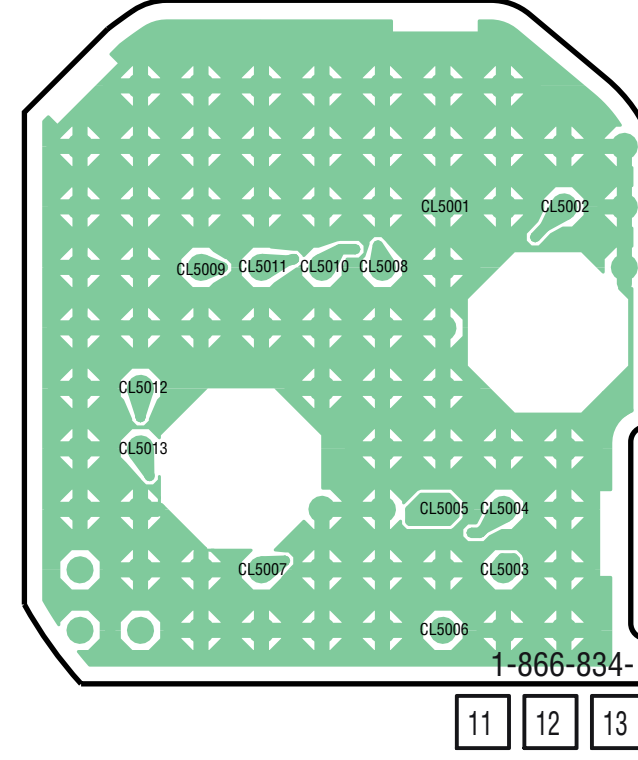
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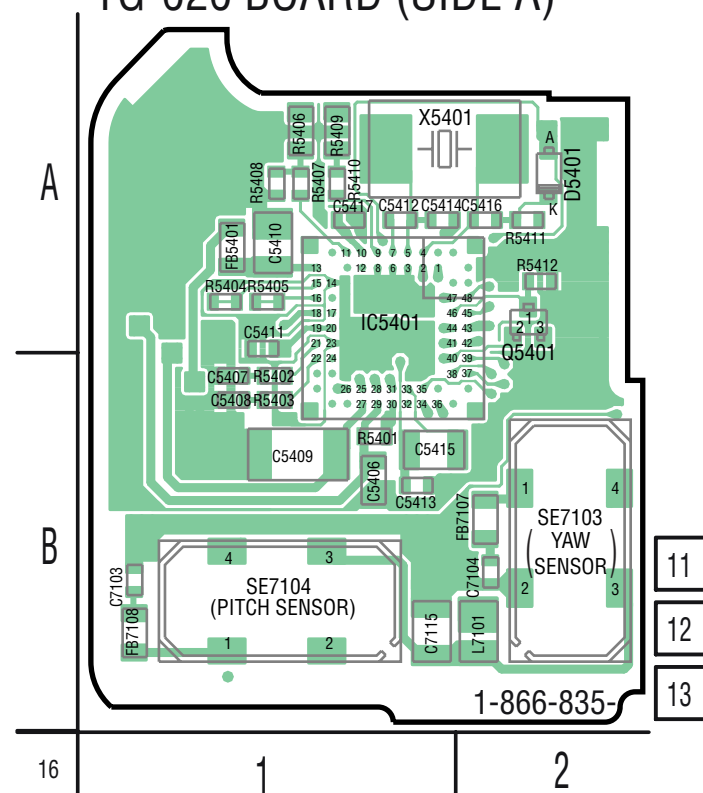
CD-590 BOARD (SIDE A)



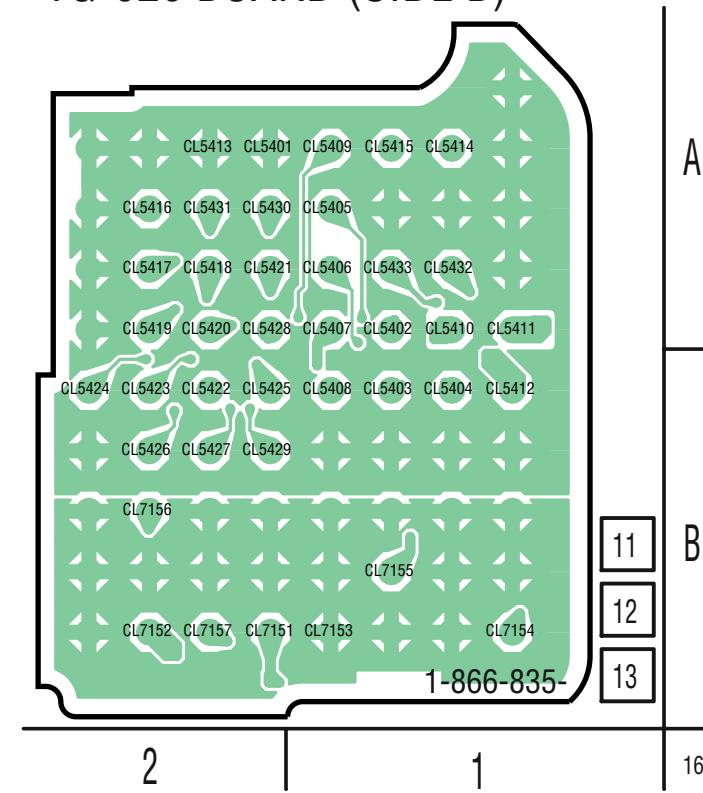
CD-590 BOARD (SIDE B)



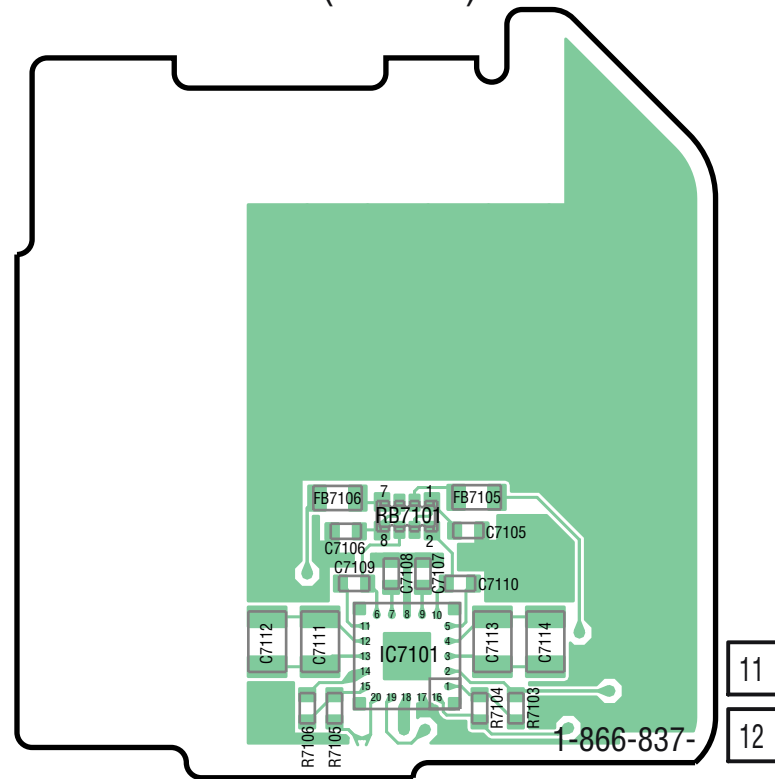
TG-020 BOARD (SIDE A)



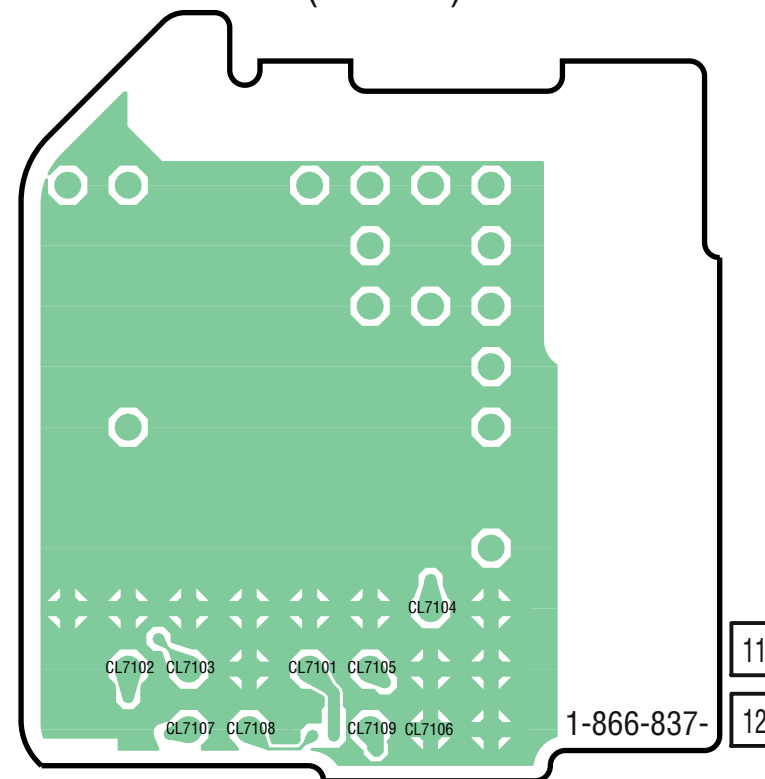
TG-020 BOARD (SIDE B)



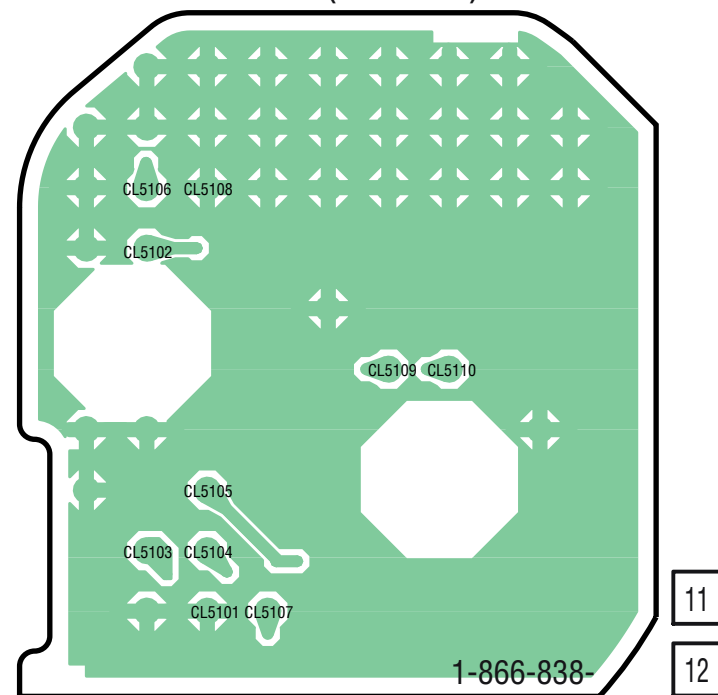
SE-164 BOARD (SIDE A)



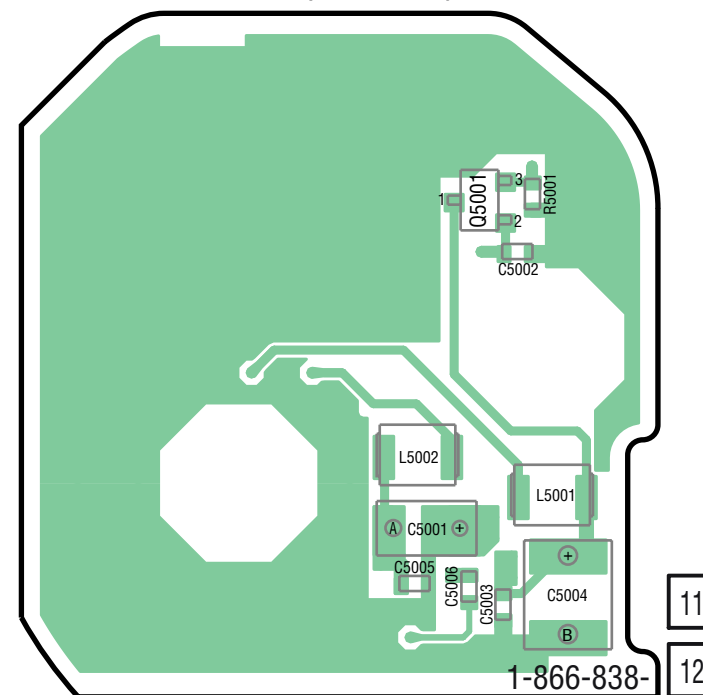
SE-164 BOARD (SIDE B)



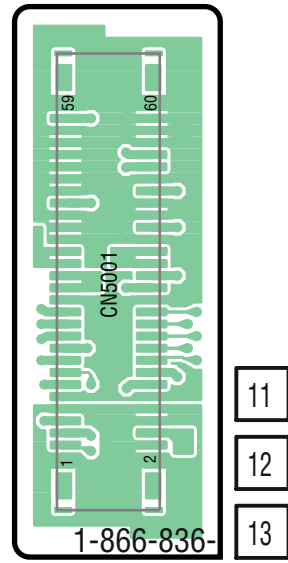
FL-152 BOARD (SIDE B)



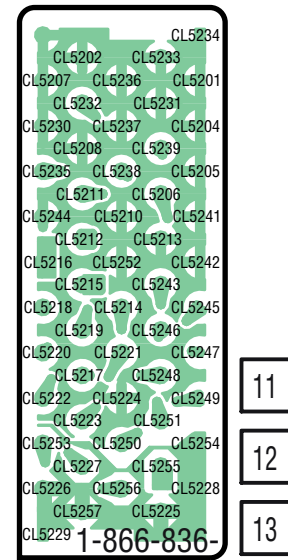
FL-152 BOARD (SIDE A)



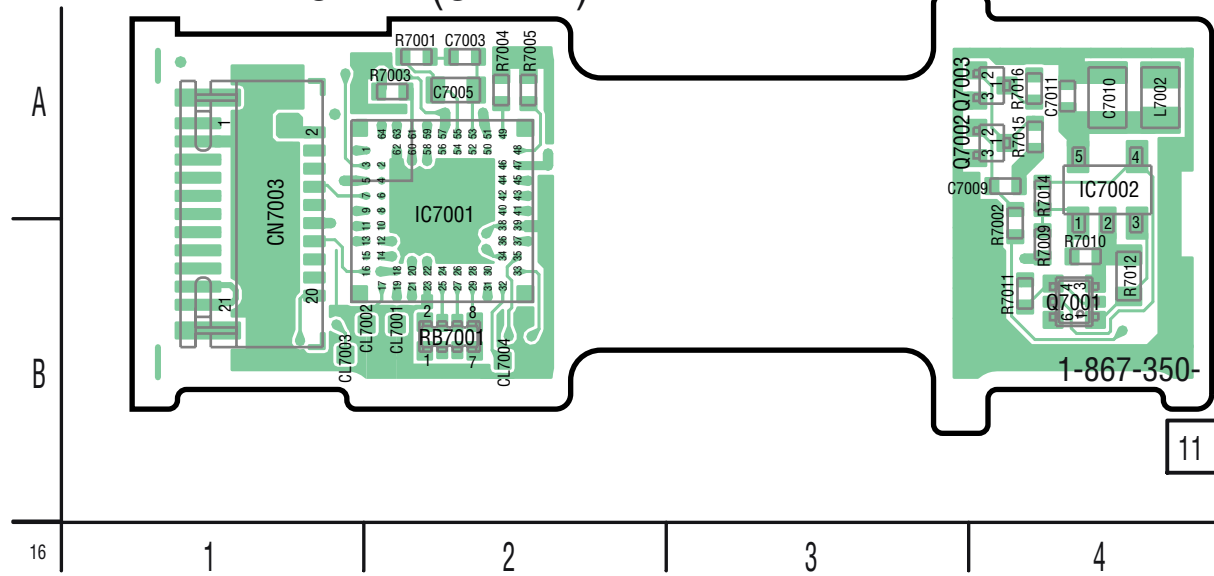
CN-257 BOARD
(SIDE A)



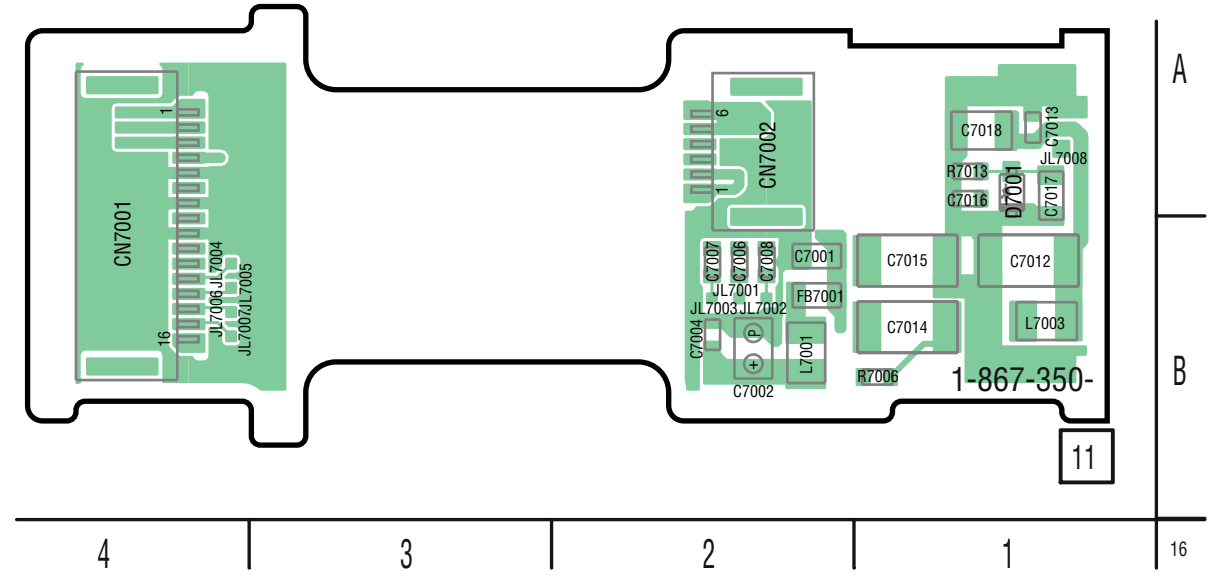
CN-257 BOARD
(SIDE B)



VF-171 BOARD (SIDE A)



VF-171 BOARD (SIDE B)



5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
A-1121-665-A	FP-308	FLEXIBLE BOARD, COMPLETE ***** (Including the CD-590,CN-257,FL-152,SE-164 and TG-020 board.)
not supplied	CD-590 BOARD ***** (This complete board is included in the complete flexible board of FP-308.) (IC5002 is not included in this complete board.)	
		< IC >
IC5002	8-753-215-47	IC ICX440NKF-13 (CCD IMAGER) (DVD92/DVD103/DVD602/DVD653)
IC5002	8-753-215-49	IC ICX441NKF-13 (CCD IMAGER) (DVD92E/DVD602E/DVD653E) (IC5002 is not included in the complete board of CD-590.)
not supplied	CN-257 BOARD ***** (This complete board is included in the complete flexible board of FP-308.)	
		< CONNECTOR >
CN5001	1-816-873-11	CONNECTOR BOARD TO BOARD 60P
not supplied	FL-152 BOARD ***** (This complete board is included in the complete flexible board of FP-308.)	
		< CAPACITOR >
C5001	1-165-897-11	TANTAL. CHIP 22uF 20% 10V
C5002	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C5003	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5004	1-113-987-11	TANTAL. CHIP 4.7uF 20% 25V
C5005	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5006	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
		< COIL >
L5001	1-469-528-91	INDUCTOR 100uH
L5002	1-469-525-91	INDUCTOR 10uH
		< TRANSISTOR >
Q5001	8-729-117-73	TRANSISTOR 2SC4178-F14
		< RESISTOR >
R5001	1-218-959-11	RES-CHIP 3.3K 5% 1/16W

Ref. No.	Part No.	Description
	not supplied	SE-164 BOARD ***** (This complete board is included in the complete flexible board of FP-308.)
		< CAPACITOR >
C7105	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7106	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7107	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7108	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7109	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7110	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C7111	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V
C7112	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V
C7113	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V
C7114	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V
		< FERRITE BEAD >
FB7105	1-469-179-11	INDUCTOR, FERRITE BEAD
FB7106	1-469-179-11	INDUCTOR, FERRITE BEAD
		< IC >
IC7101	6-707-333-01	IC NJM3230SE7
		< RESISTOR >
R7103	1-218-965-11	RES-CHIP 10K 5% 1/16W
R7104	1-218-989-11	RES-CHIP 1M 5% 1/16W
R7105	1-218-989-11	RES-CHIP 1M 5% 1/16W
R7106	1-218-965-11	RES-CHIP 10K 5% 1/16W
		< COMPOSITION CIRCUIT BLOCK >
RB7101	1-234-379-21	RES, NETWORK 22K (1005X4)
not supplied	TG-020 BOARD ***** (This complete board is included in the complete flexible board of FP-308.)	
		< CAPACITOR >
C5406	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V
C5407	1-164-870-11	CERAMIC CHIP 68PF 5% 50V
C5408	1-164-870-11	CERAMIC CHIP 68PF 5% 50V
C5409	1-127-861-11	CERAMIC CHIP 2.2uF 10% 16V
C5410	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C5411	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C5412	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5415	1-115-339-11	CERAMIC CHIP 0.1uF 10% 50V
C5416	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C5417	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7103	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7104	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7115	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
		< DIODE >
D5401	8-719-082-63	DIODE 1SV329 (TPL3)

Ref. No.	Part No.	Description
		< FERRITE BEAD >
FB5401	1-414-760-21	FERRITE, EMI (SMD) (1608)
FB7107	1-469-179-11	INDUCTOR, FERRITE BEAD
FB7108	1-469-179-11	INDUCTOR, FERRITE BEAD
		< IC >
IC5401	8-753-224-68	IC CXD2444AGA-T4
		< COIL >
L7101	1-400-588-11	INDUCTOR 10uH
		< TRANSISTOR >
Q5401	6-550-240-01	TRANSISTOR DTA114TMT2L
		< RESISTOR >
R5401	1-218-977-11	RES-CHIP 100K 5% 1/16W
R5402	1-218-990-11	SHORT CHIP 0
R5403	1-218-990-11	SHORT CHIP 0
R5406	1-216-864-11	SHORT CHIP 0
R5407	1-218-990-11	SHORT CHIP 0
R5408	1-218-977-11	RES-CHIP 100K 5% 1/16W
R5409	1-216-864-11	SHORT CHIP 0
R5410	1-218-990-11	SHORT CHIP 0
R5411	1-218-985-11	RES-CHIP 470K 5% 1/16W
R5412	1-218-965-11	RES-CHIP 10K 5% 1/16W
		< SENSOR >
SE7103	1-479-022-21	SENSOR, ANGULAR VELOCITY (YAW)
SE7104	1-479-022-11	SENSOR, ANGULAR VELOCITY (PITCH)
		< VIBRATOR >
X5401	1-767-203-21	VIBRATOR, CRYSTAL 36MHZ
A-1122-661-A	VF-171 BOARD, COMPLETE (DVD103/DVD653/DVD653E)	
A-1122-662-A	VF-171 BOARD, COMPLETE (DVD602/DVD602E/DVD92/DVD92E)	

		< CAPACITOR >
C7001	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V
C7002	1-127-895-11	TANTAL. CHIP 22uF 20% 4V
C7003	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7004	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7005	1-164-739-11	CERAMIC CHIP 560PF 5% 50V
C7006	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V (DVD103/DVD653/DVD653E)
C7007	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V (DVD103/DVD653/DVD653E)
C7008	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C7010	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C7012	1-127-820-11	CERAMIC CHIP 4.7uF 10% 16V
C7014	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
C7015	1-115-566-11	CERAMIC CHIP 4.7uF 10% 10V
C7016	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C7017	1-165-908-11	CERAMIC CHIP 1uF 10% 10V

Ref. No.	Part No.	Description
		< CONNECTOR >
* CN7001	1-816-646-51	FFC/CONNECTOR, FPC (LIF) 16P
* CN7002	1-816-654-51	FFC/FPC CONNECTOR (LIF) 6P
CN7003	1-816-653-51	CONNECTOR, FPC (ZIF) 21P
		< DIODE >
D7001	8-719-074-67	DIODE EDZ-TE61-5.6B
		< FERRITE BEAD >
FB7001	1-414-760-21	FERRITE, EMI (SMD) (1608)
		< IC >
IC7001	8-753-221-57	IC CXM3007AGA-T2
IC7002	8-759-581-11	IC NJM2125F (TE2)
		< COIL >
L7001	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
L7002	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
L7003	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
		< TRANSISTOR >
Q7001	8-729-054-48	TRANSISTOR UP04601008S0
		< RESISTOR >
R7001	1-208-931-11	RES-CHIP 68K 0.5% 1/16W
R7003	1-218-990-11	SHORT CHIP 0
R7004	1-208-934-11	METAL CHIP 91K 0.5% 1/16W
R7005	1-208-911-11	METAL CHIP 10K 0.5% 1/16W
R7006	1-218-965-11	RES-CHIP 10K 5% 1/16W
R7009	1-208-941-11	METAL CHIP 180K 0.5% 1/16W
R7010	1-208-923-11	METAL CHIP 33K 0.5% 1/16W
R7011	1-218-956-11	RES-CHIP 1.8K 5% 1/16W
R7012	1-211-983-11	METAL CHIP 39 0.5% 1/10W
R7013	1-218-989-11	RES-CHIP 1M 5% 1/16W
		< COMPOSITION CIRCUIT BLOCK >
RB7001	1-234-369-21	RES, NETWORK 10 (1005X4)

• Change of schematic diagrams

Note: The information shown below has no relation with the printed wiring board number suffix change.

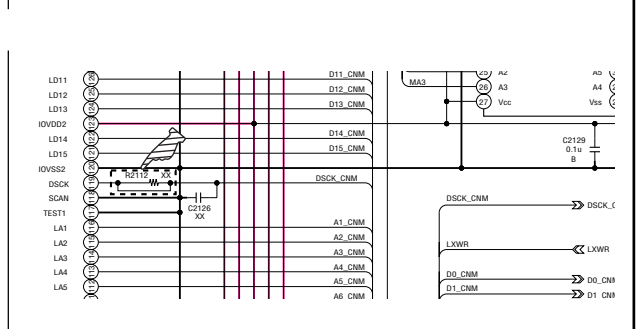
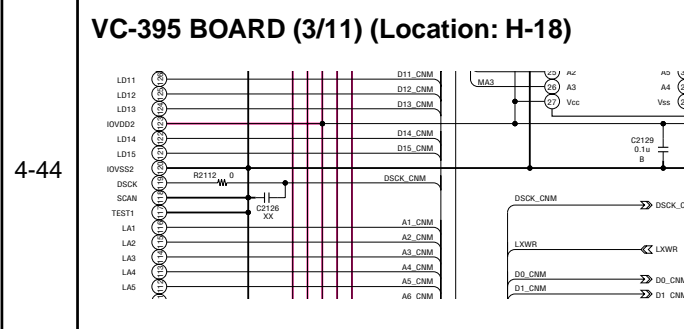
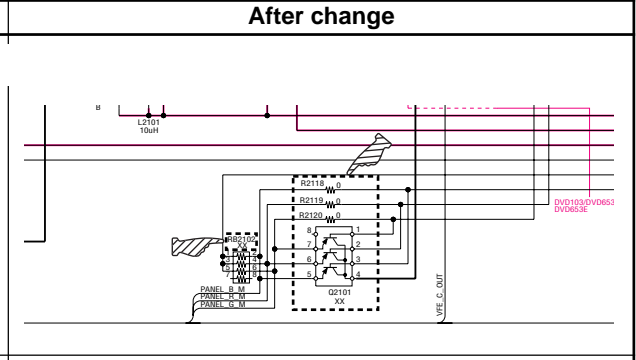
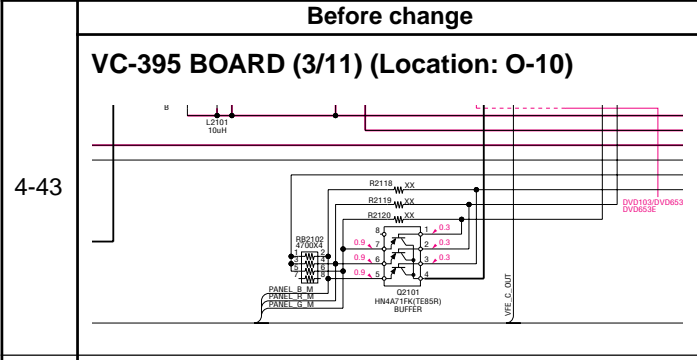
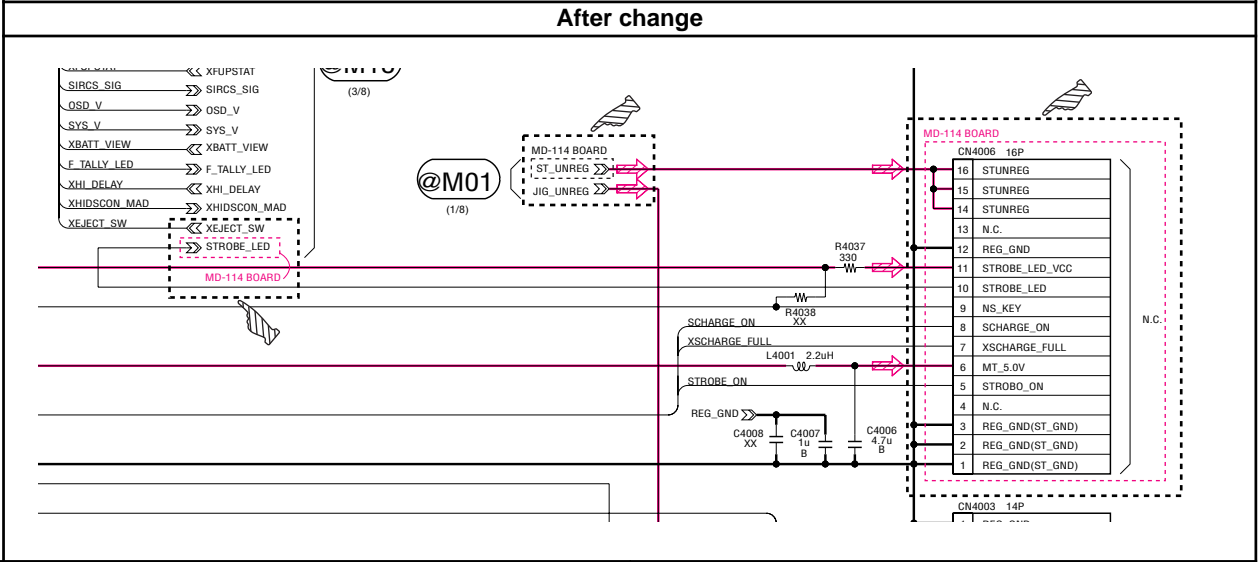
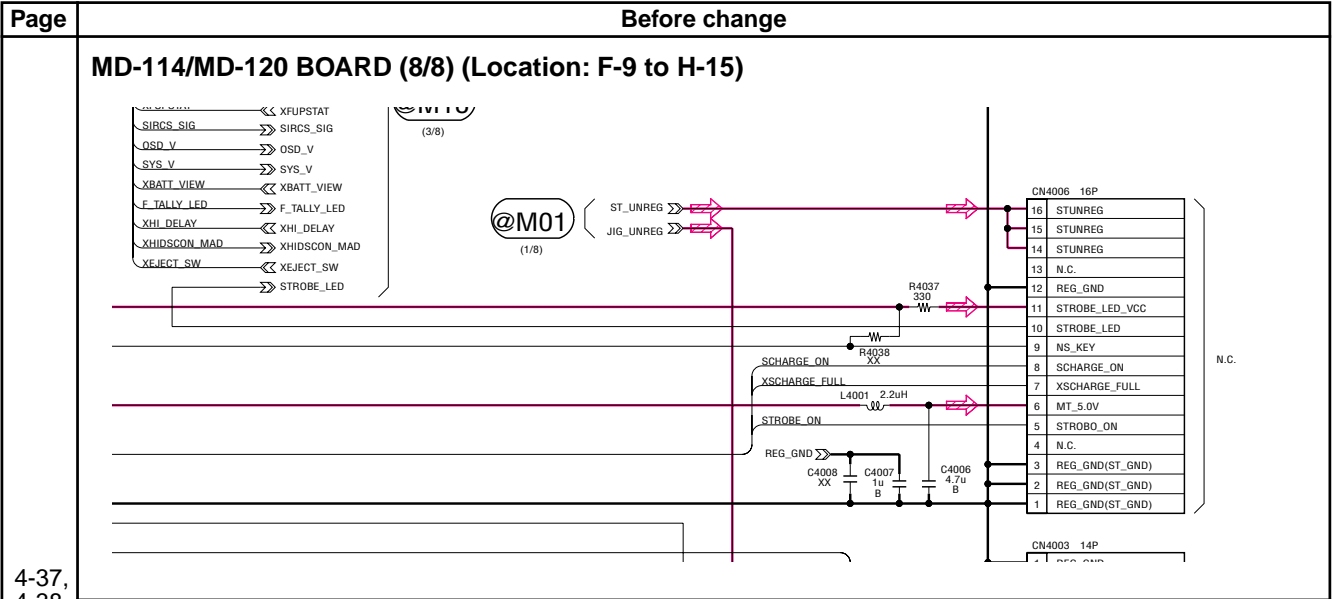
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS


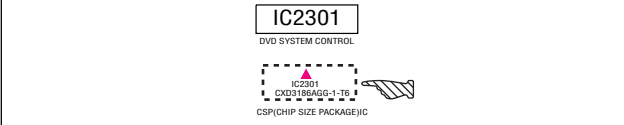
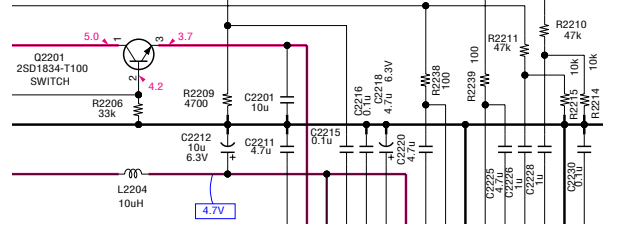
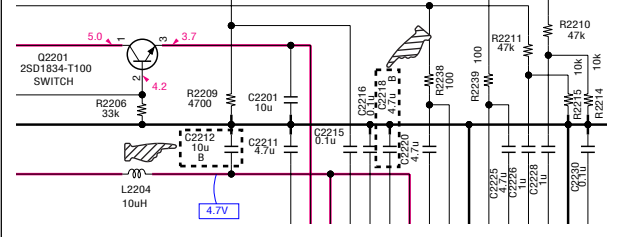
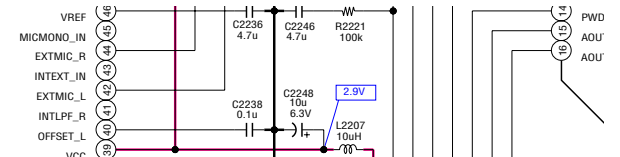
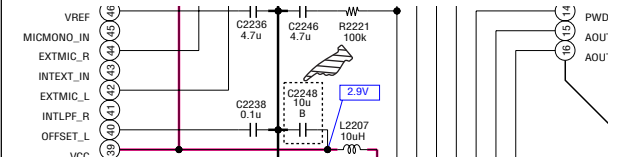
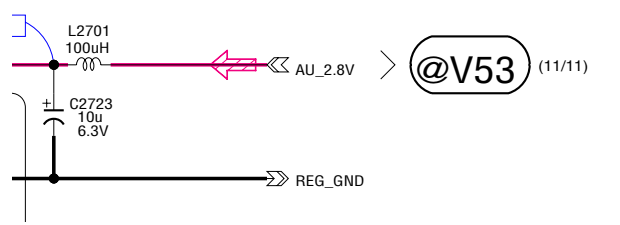
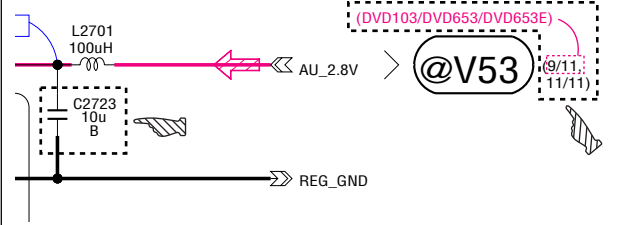

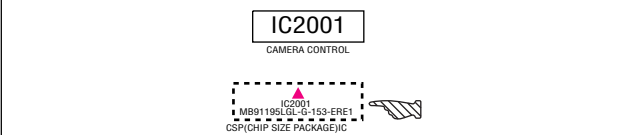
4-2. SCHEMATIC DIAGRAMS

: Changed portion : Added portion

Page	Before change	After change
4-21	<p>MD-114/MD-120 BOARD (1/8) (Location: G-4)</p>	
4-22	<p>MD-114/MD-120 BOARD (1/8) (Location: C-13, E-12)</p>	
	<p>MD-114/MD-120 BOARD (1/8) (Location: I-12 to I-14)</p>	

Page	Before change	After change
4-23	<p>MD-114/MD-120 BOARD (2/8) (Location: J-3)</p>	
4-26	<p>MD-114/MD-120 BOARD (3/8) (Location: F-12 to F-14)</p>	
4-29	<p>MD-114/MD-120 BOARD (5/8) (Location: C-3 to D-4)</p>	
4-38	<p>MD-114/MD-120 BOARD (8/8) (Location: B-13)</p>	
4-37, 4-38	<p>MD-114/MD-120 BOARD (8/8) (Location: L-9 to L-10)</p>	






Page	Before change	After change
4-45	<p>VC-395 BOARD (4/11) (Location: G-7)</p>  <p>IC2301 DVD SYSTEM CONTROL CXD3186AGG-T6 CSP(CHIP SIZE PACKAGE)IC</p>	<p>VC-395 BOARD (4/11) (Location: G-7)</p>  <p>IC2301 DVD SYSTEM CONTROL CXD3186AGG-1-T6 CSP(CHIP SIZE PACKAGE)IC</p>
4-51	<p>VC-395 BOARD (7/11) (Location: C-7, C-8)</p> 	<p>VC-395 BOARD (7/11) (Location: C-7, C-8)</p> 
4-52	<p>VC-395 BOARD (7/11) (Location: E-12)</p> 	<p>VC-395 BOARD (7/11) (Location: E-12)</p> 
4-54	<p>VC-395 BOARD (8/11) (Location: C-10, C-12)</p> 	<p>VC-395 BOARD (8/11) (Location: C-10, C-12)</p> 
4-57	<p>VC-395 BOARD (10/11) (Location: G-10)</p>  <p>IC2001 CAMERA CONTROL MB91195LGL-G-130-ERE1 CSP(CHIP SIZE PACKAGE)IC</p>	<p>VC-395 BOARD (10/11) (Location: G-10)</p>  <p>IC2001 CAMERA CONTROL MB91195LGL-G-153-ERE1 CSP(CHIP SIZE PACKAGE)IC</p>

• Change of repair parts list

5. REPAIR PARTS LIST

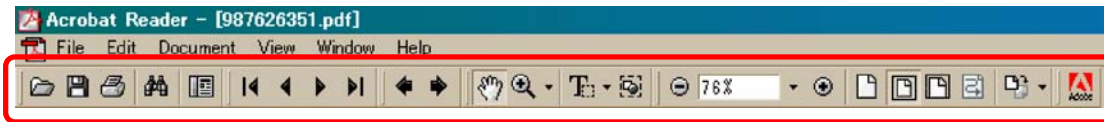
5-2. ELECTRICAL PARTS LIST

 : Changed portion  : Added portion  : Deleted portion

Page	Before change						After change					
5-16	MD-114/MD-120 BOARD											
	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>				<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			
	C4203	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C4203	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
	—	—	—	—	—	—	C4203	1-127-772-11	CERAMIC CHIP	0.033uF	10%	16V
												(MD-114)
												(MD-120)
5-17	C4222	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C4222	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
	—	—	—	—	—	—	C4222	1-127-772-11	CERAMIC CHIP	0.033uF	10%	16V
												(MD-114)
												(MD-120)
5-18	C4806	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C4806	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
	CN4002	1-816-654-31	FFC/FPC CONNECTOR (LIF) 6P				* CN4002	1-816-654-51	FFC/FPC CONNECTOR (LIF) 6P			
	CN4003	1-817-707-11	CONNECTOR, FPC (LIF (NON-ZIF)) 14P				* CN4003	1-816-645-51	CONNECTOR, FPC (LIF (NON-ZIF)) 14P			
	CN4006	1-794-323-11	CONNECTOR, FFC/FPC (ZIF) 16P				CN4006	1-794-323-51	CONNECTOR, FFC/FPC (ZIF) 16P			(MD-114)
	CN4010	1-818-043-21	CONNECTOR, FFC/FPC 10P				* CN4010	1-816-643-51	CONNECTOR, FFC/FPC 10P			
	CN4501	1-818-043-21	CONNECTOR, FFC/FPC 10P				* CN4501	1-816-643-51	CONNECTOR, FFC/FPC 10P			
	D4002	6-500-044-01	DIODE DF6A6.8FU (TE85R)									
	D4009	6-500-776-01	DIODE MAZW068H0LS0									
5-20	R4207	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4207	1-218-965-11	RES-CHIP	10K	5%	1/16W
	—	—	—	—	—	—	R4207	1-218-969-11	RES-CHIP	22K	5%	1/16W
												(MD-114)
												(MD-120)
	R4230	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4230	1-218-965-11	RES-CHIP	10K	5%	1/16W
	—	—	—	—	—	—	R4230	1-218-969-11	RES-CHIP	22K	5%	1/16W
												(MD-114)
												(MD-120)
5-22	< VARISTOR >											
	VD4001	1-801-923-11	VARISTOR, CHIP			(1608)						


Page	Before change	After change																								
	VC-395 BOARD																									
5-22	<table border="1"> <thead> <tr> <th>Ref. No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C1301</td> <td>1-110-563-11</td> <td>CERAMIC CHIP 0.068uF 10% 16V</td> </tr> <tr> <td>C1302</td> <td>1-110-563-11</td> <td>CERAMIC CHIP 0.068uF 10% 16V</td> </tr> </tbody> </table>	Ref. No.	Part No.	Description	C1301	1-110-563-11	CERAMIC CHIP 0.068uF 10% 16V	C1302	1-110-563-11	CERAMIC CHIP 0.068uF 10% 16V	<table border="1"> <thead> <tr> <th>Ref. No.</th> <th>Part No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>	Ref. No.	Part No.	Description	—	—	—									
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C1302	1-110-563-11	CERAMIC CHIP 0.068uF 10% 16V																								
Ref. No.	Part No.	Description																								
—	—	—																								
5-23	<table border="1"> <tbody> <tr> <td>C2212</td> <td>1-117-919-11</td> <td>TANTAL. CHIP 10uF 20% 6.3V</td> </tr> <tr> <td>C2218</td> <td>1-125-926-91</td> <td>TANTAL. CHIP 4.7uF 20% 6.3V</td> </tr> <tr> <td>C2248</td> <td>1-117-919-11</td> <td>TANTAL. CHIP 10uF 20% 6.3V</td> </tr> </tbody> </table>	C2212	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V	C2218	1-125-926-91	TANTAL. CHIP 4.7uF 20% 6.3V	C2248	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V	<table border="1"> <tbody> <tr> <td>C2212</td> <td>1-137-710-91</td> <td>CERAMIC CHIP 10uF 20% 6.3V</td> </tr> <tr> <td>C2218</td> <td>1-127-760-11</td> <td>CERAMIC CHIP 4.7uF 10% 6.3V</td> </tr> <tr> <td>C2248</td> <td>1-137-710-91</td> <td>CERAMIC CHIP 10uF 20% 6.3V</td> </tr> </tbody> </table>	C2212	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V	C2218	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C2248	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V						
C2212	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V																								
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C2248	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V																								
C2212	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V																								
C2218	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V																								
C2248	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V																								
5-24	<table border="1"> <tbody> <tr> <td>C2723</td> <td>1-117-919-11</td> <td>TANTAL. CHIP 10uF 20% 6.3V</td> </tr> <tr> <td>CN1101</td> <td>1-817-549-11</td> <td>CONNECTOR, FPC (LIF (NON-ZIF)) 8P</td> </tr> <tr> <td>CN1108</td> <td>1-818-046-11</td> <td>CONNECTOR, FFC/FPC 20P</td> </tr> <tr> <td>CN2702</td> <td>1-817-549-11</td> <td>CONNECTOR, FPC (LIF (NON-ZIF)) 8P (DVD103/DVD653/DVD653E)</td> </tr> </tbody> </table>	C2723	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V	CN1101	1-817-549-11	CONNECTOR, FPC (LIF (NON-ZIF)) 8P	CN1108	1-818-046-11	CONNECTOR, FFC/FPC 20P	CN2702	1-817-549-11	CONNECTOR, FPC (LIF (NON-ZIF)) 8P (DVD103/DVD653/DVD653E)	<table border="1"> <tbody> <tr> <td>C2723</td> <td>1-137-710-91</td> <td>CERAMIC CHIP 10uF 20% 6.3V</td> </tr> <tr> <td>* CN1101</td> <td>1-817-555-51</td> <td>CONNECTOR, FPC (LIF (NON-ZIF)) 8P</td> </tr> <tr> <td>CN1108</td> <td>1-818-046-51</td> <td>CONNECTOR, FFC/FPC 20P</td> </tr> <tr> <td>* CN2702</td> <td>1-817-555-51</td> <td>CONNECTOR, FPC (LIF (NON-ZIF)) 8P (DVD103/DVD653/DVD653E)</td> </tr> </tbody> </table>	C2723	1-137-710-91	CERAMIC CHIP 10uF 20% 6.3V	* CN1101	1-817-555-51	CONNECTOR, FPC (LIF (NON-ZIF)) 8P	CN1108	1-818-046-51	CONNECTOR, FFC/FPC 20P	* CN2702	1-817-555-51	CONNECTOR, FPC (LIF (NON-ZIF)) 8P (DVD103/DVD653/DVD653E)
C2723	1-117-919-11	TANTAL. CHIP 10uF 20% 6.3V																								
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[Description of main button functions on toolbar of the Adobe Acrobat Reader Ver5.0 (for Windows)]




Toolbar



Printing a text

1. Click the Print button .
2. Specify a printer, print range, number of copies, and other options, and then click [OK].

Application of printing:

To set a range to be printed within a page, select the graphic selection tool  and drag on the page to enclose a range to be printed, and then click the Print button.


Reversing the screens displayed once

- To reverse the previous screens (operation) one by one, click the .
- To advance the reversed screens (operation) one by one, click the .

Application to the Service Manual:

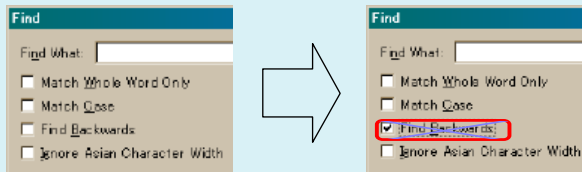
This function allows you to go and back between circuit diagram and printed circuit board diagram, and accordingly it will be convenient for the voltage check.

Finding a text

1. Click the Find button .
2. Enter a character string to be found into a text box, and click the [Find]. (Specify the find options as necessary)

Application to the Service Manual:

To execute “find” from current page toward the previous pages, select the check box “Find Backwards” and then click the “Find”.








3. Open the find dialog box again, and click the [Find Again] and you can find the matched character strings displayed next. (Character strings entered previously are displayed as they are in the text box.)

Application to the Service Manual:


The parts on the drawing pages (block diagrams, circuit diagrams, printed circuit boards) and parts list pages in a text can be found using this find function. For example, find a Ref. No. of IC on the block diagram, and click the [Find Again] continuously, so that you can move to the Ref. No. of IC on the circuit diagram or printed circuit board diagram successively.


Note: The find function may not be applied to the Service Manual depending on the date of issue.

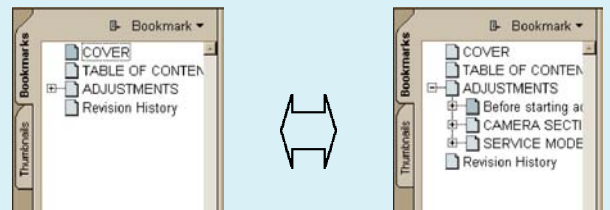
Moving with link

1. Select either palm tool , zoom tool , text selection tool , or graphic selection tool .
2. Place the pointer in the position in a text where the link exists (such as a button on cover and the table of contents page, or blue characters on the removal flowchart page or drawing page), and the pointer will change to the forefinger form .
3. Then, click the link. (You will go to the link destination.)

Moving with bookmark:



Click an item (text) on the bookmark pallet. and you can move to the link destination. Also, clicking  can display the hidden items.

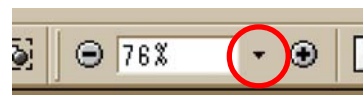
(To go back to original state, click )




Zooming or rotating the screen display

“Zoom in/out”

- Click the triangle button in the zoom control box to select the display magnification. Or, you may click  or  for zooming in or out.







“Rotate”

- Click rotate tool , and the page then rotates 90 degrees each.

Application to the Service Manual:

The printed circuit board diagram you see now can be changed to the same direction as the set.

Switching a page

- To move to the first page, click the .
- To move to the last page, click the .
- To move to the previous page, click the .
- To move to the next page, click the .

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2005.02	Official Release	—	—
1.1	2005.05	Correction-1	<ul style="list-style-type: none"> • Correction of schematic diagrams • Correction of printed wiring boards • Correction of repair parts list S.M. correction: 4-1. SCHEMATIC DIAGRAMS, Page 4-17, 4-18, 4-19, 4-20, 4-22, 4-23, 4-24, 4-26, 4-28, 4-29, 4-30, 4-32, 4-34, 4-35, 4-43, 4-44, 4-45, 4-48, 4-49, 4-55, 4-57, 4-58, 4-59, 4-60, 4-2. PRINTED WIRING BOARDS, Page 4-61, 4-77, 4-84, 4-85, 4-86, 5-15, 5-16, 5-17, 5-21, 5-23, 5-25	Yes
1.2	2005.09	Correction-2	<ul style="list-style-type: none"> • Correction of schematic diagrams • Correction of repair parts list S.M. correction: Page 4-35, 4-43, 4-52, 4-54, 4-60, 5-23	Yes
1.3	2006.07	Supplement-1 (DI06-006)	<ul style="list-style-type: none"> • Change of boards suffix number (MD-114/VC-395) • Change of organization boards • Change of schematic diagrams • Change of repair parts list 	No
1.4	2006.09	Supplement-2 (DI06-070)	<ul style="list-style-type: none"> • Addition of chinese model for DCR-DVD602E/DVD653E 	No
1.5	2007.09	Supplement-3 (DI07-113)	<ul style="list-style-type: none"> • Change of boards suffix number (MD-114 Board/VC-395 Board) • Change of organization boards • Change of schematic diagrams • Change of repair parts list This SUPPLEMENT-3 is the revised version of SUPPLEMENT-1. Replace the SUPPLEMENT-1 (9-876-865-84) with the SUPPLEMENT-3. Please discard the SUPPLEMENT-1.	No