

DCR-HC39E/HC41/HC42/HC42E/HC43/HC43E

RMT-831

SERVICE MANUAL

LEVEL 3

Ver 1.1 2006.10

Revision History

How to use
Acrobat Reader



Z MECHANISM (MDX-Z210)

Photo: DCR-HC43E

DCR-HC42
US Model
Canadian Model
DCR-HC39E/HC42E
AEP Model
UK Model
East European Model
North European Model
DCR-HC42/HC42E/HC43E
E Model
DCR-HC42E
Australian Model
Hong Kong Model
DCR-HC43
Brazilian Model
DCR-HC43E
Chinese Model
DCR-HC42/HC42E
Tourist Model
DCR-HC42
Korea Model
DCR-HC41
Japanese Model

Link

• FRAME SCHEMATIC DIAGRAM

• PRINTED WIRING BOARDS

• SCHEMATIC DIAGRAMS

• REPAIR PARTS LIST

- For ADJUSTMENTS (SECTION 6), refer to SERVICE MANUAL, ADJ (9-876-783-51).
- For INSTRUCTION MANUAL, refer to SERVICE MANUAL, LEVEL 1 (9-876-783-41).
- Reference No. 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	CD-534, PD-238, CR-050, SI-042, LB-109, JK-278, MS-249 BOARD, FP-180, FP-182, FP-186, FP-187, FP-228, FP-467, FP-826 FLEXIBLE BOARD, CONTROL KEY BLOCK (SS10300), (SB10600)
5. REPAIR PARTS LIST	EXPLODED VIEWS ELECTRICAL PARTS LIST

Mini DV Digital
Video
Cassette

DIGITAL VIDEO CAMERA RECORDER

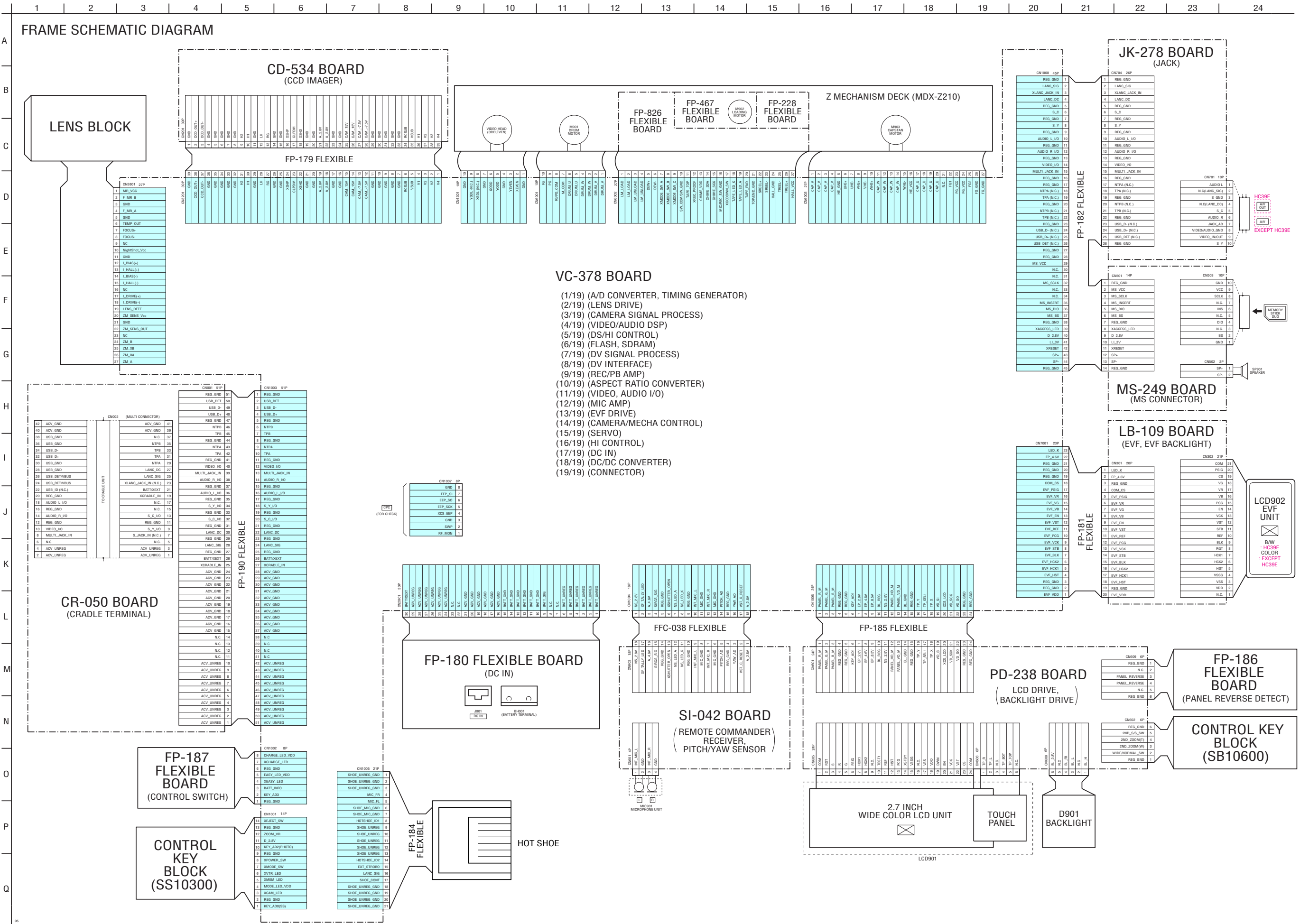
SONY®

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4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-1. FRAME SCHEMATIC DIAGRAM



4-2. SCHEMATIC DIAGRAMS

Link

• VC-378 BOARD (1/19) (A/D CONVERTER, TIMING GENERATOR)	• VC-378 BOARD (11/19) (VIDEO, AUDIO I/O)
• VC-378 BOARD (2/19) (LENS DRIVE)	• VC-378 BOARD (12/19) (MIC AMP)
• VC-378 BOARD (3/19) (CAMERA SIGNAL PROCESS)	• VC-378 BOARD (13/19) (EVF DRIVE)
• VC-378 BOARD (4/19) (VIDEO/AUDIO DSP)	• VC-378 BOARD (14/19) (CAMERA/MECHA CONTROL)
• VC-378 BOARD (5/19) (DS/HI CONTROL)	• VC-378 BOARD (15/19) (SERVO)
• VC-378 BOARD (6/19) (FLASH, SDRAM)	• VC-378 BOARD (16/19) (HI CONTROL)
• VC-378 BOARD (7/19) (DV SIGNAL PROCESS)	• VC-378 BOARD (17/19) (DC IN)
• VC-378 BOARD (8/19) (DV INTERFACE)	• VC-378 BOARD (18/19) (DC/DC CONVERTER)
• VC-378 BOARD (9/19) (REC/PB AMP)	• VC-378 BOARD (19/19) (CONNECTOR)
• VC-378 BOARD (10/19) (ASPECT RATIO CONVERTER)	

• COMMON NOTE FOR SCHEMATIC DIAGRAMS

• WAVEFORMS

4-2. SCHEMATIC DIAGRAMS (ENGLISH)

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.

Example	C541	L452
	22U	10UH
	TA A	2520
Kinds of capacitor	External dimensions (mm)	
	Case size	

- 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 → EDIT PB/XREC → PB/REC
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B- Line
- : IN/OUT direction of (+,-) B LINE.
- : adjustment for repair.
- : not use circuit
- Circled numbers refer to waveforms.

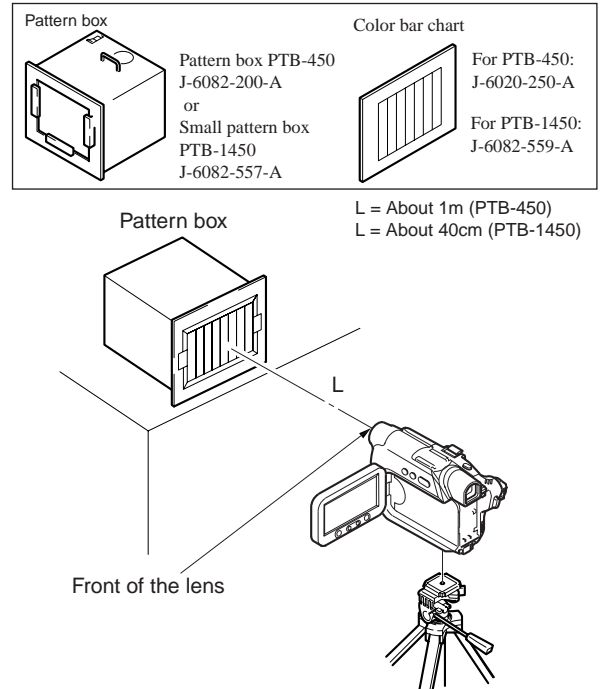
(Measuring conditions voltage and waveform)

- 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 $\text{M}\Omega$ input impedance is used)
- Voltage values change depending upon input impedance of VOM used.)

Precautions for Replacement of CCD Imager

- The CD-534 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.

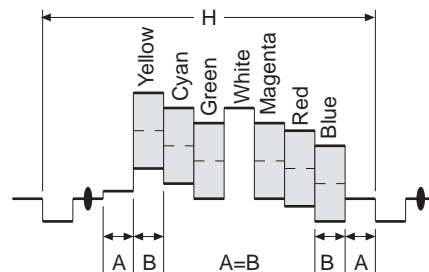


Fig. a (Video output terminal output waveform)

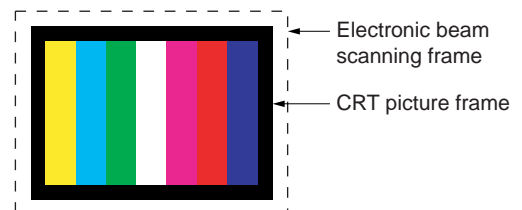


Fig.b (Picture on monitor TV)

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

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

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

(JAPANESE)









回路図共通ノート

(他に必要なノートは各ブロックに記載してあります)

【回路図ノート】

- ・ケミコン、タンタルを除くコンデンサで、耐圧50V以下のものはその耐圧を省略。単位はすべて μF (pはpF)。
- ・チップ抵抗で指示のないものは、1/10W以下。
k Ω =1000 Ω , M Ω =1000k Ω
- ・チップ部品交換時の注意
取り外した部品は再使用せず、未使用の部品をご使用ください。
タンタルコンデンサのマイナス側は熱に弱いため注意してください。
- ・チップ部品には下記のように表示したものがあります。

例	C 541	L 452
	22U	10UH
	TA A	2520
	↑ ↑	↑
種類	ケースサイズ	外形寸法 (mm)

- ・抵抗、コンデンサ、ICなど定数にXXがあるものは、使用していない事を示しています。このため、使用していない回路が記載されている事があります。
- ・★印のある部品は、機種などにより異なりますので機能別マウンター一覧表を参照してください。
- ・可変抵抗と半固定抵抗で、B特性の表示を省略。
- ・信号名表記について、下記のような場合があります。
XEDIT → EDIT PB/XREC → PB/REC
- ・ は不燃性抵抗。
- ・ はヒューズ抵抗。
- ・ はパネル表示名称。
- ・ はB+ライン。
- ・ はB-ライン。
- ・ はBライン (+, -) の入出力方向を示す。
- ・ は調整名称。
- ・ は未使用回路。
- ・○番号は、波形図の照合番号。

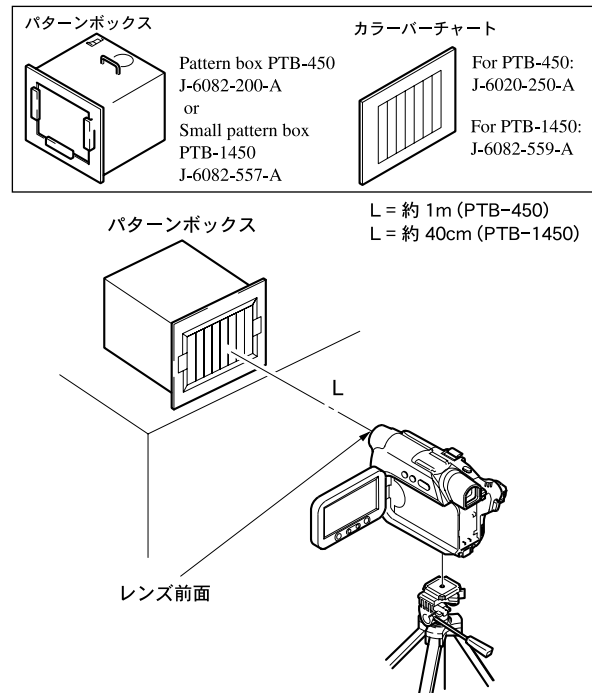
【電圧・波形測定条件ノート】

- ・電圧値及び信号波形はパターンボックスのカラーバーチャートを被写体としたときの測定点对アース間の参考値。
(デジタルマルチメータ; 入力インピーダンス DC10M Ω 使用)
- ・使用テストの入力インピーダンスにより電圧値が多少異なります。

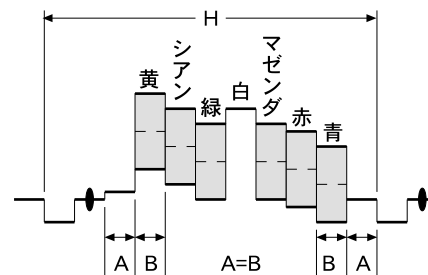
CCD イメージャ交換時の注意

- ・補修部品として供給されるCD-534基板には、CCDイメージャがマウントされていません。CD-534基板を交換するときは、旧基板よりCCDイメージャを外し、新基板へ再度取り付けて下さい。
 - ・CCDイメージャを交換した場合は、カメラ部の全調整を行ってください。
 - ・CCDイメージャは構造上、静電気により破壊される恐れがあるため、MOS ICと同様に注意して取り扱ってください。
- また、受光部にはゴミの付着、および強い光がはいることのないように注意してください。

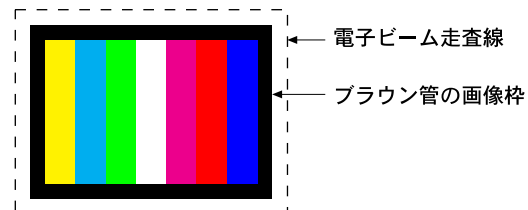
1. 接続図



2. 図a及び図bの波形が得られるように画枠調整して下さい。



図a (映像入出力端子出力波形)

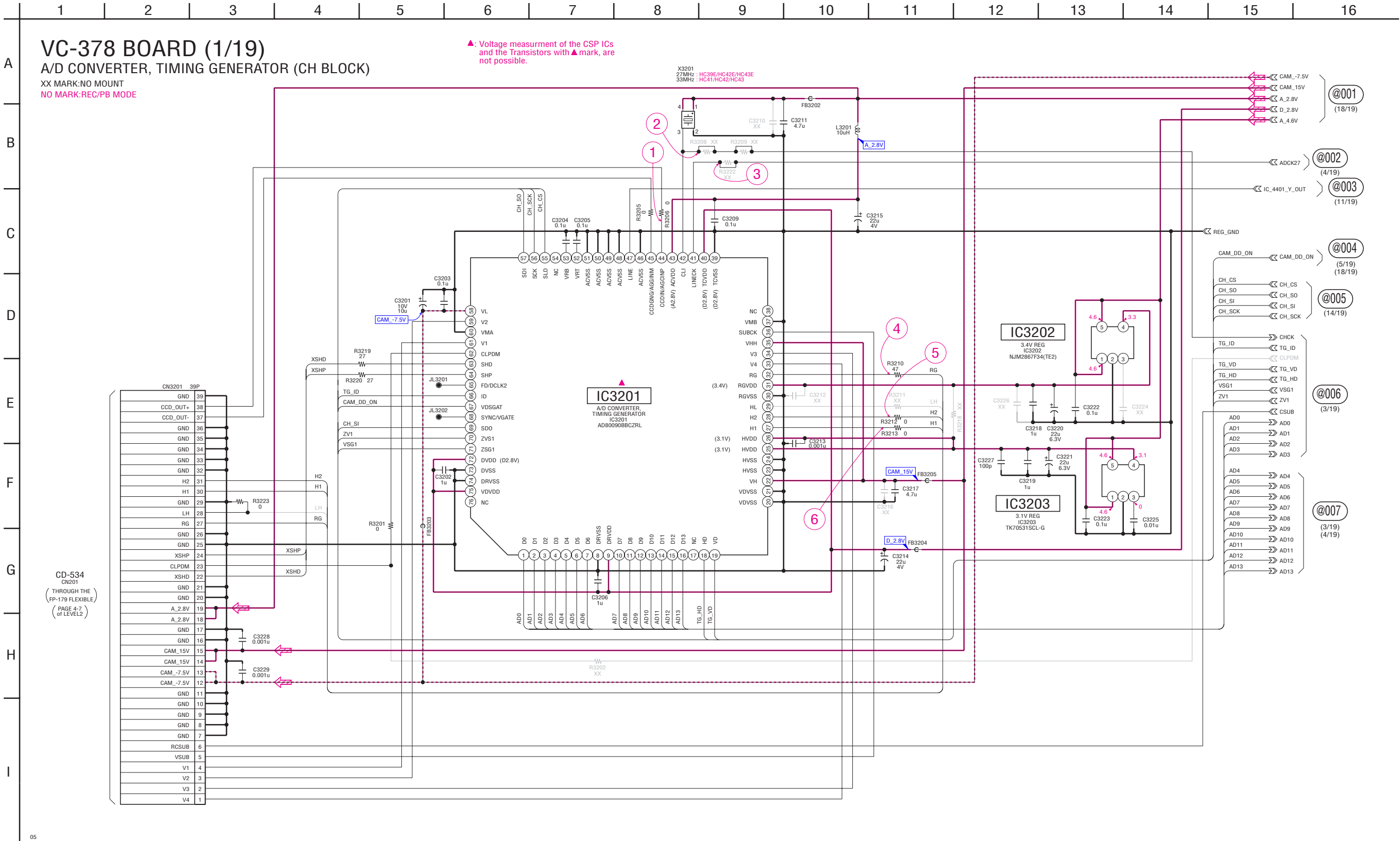


図b (テレビモニタの映像)

△印の部品、または△印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用して下さい。

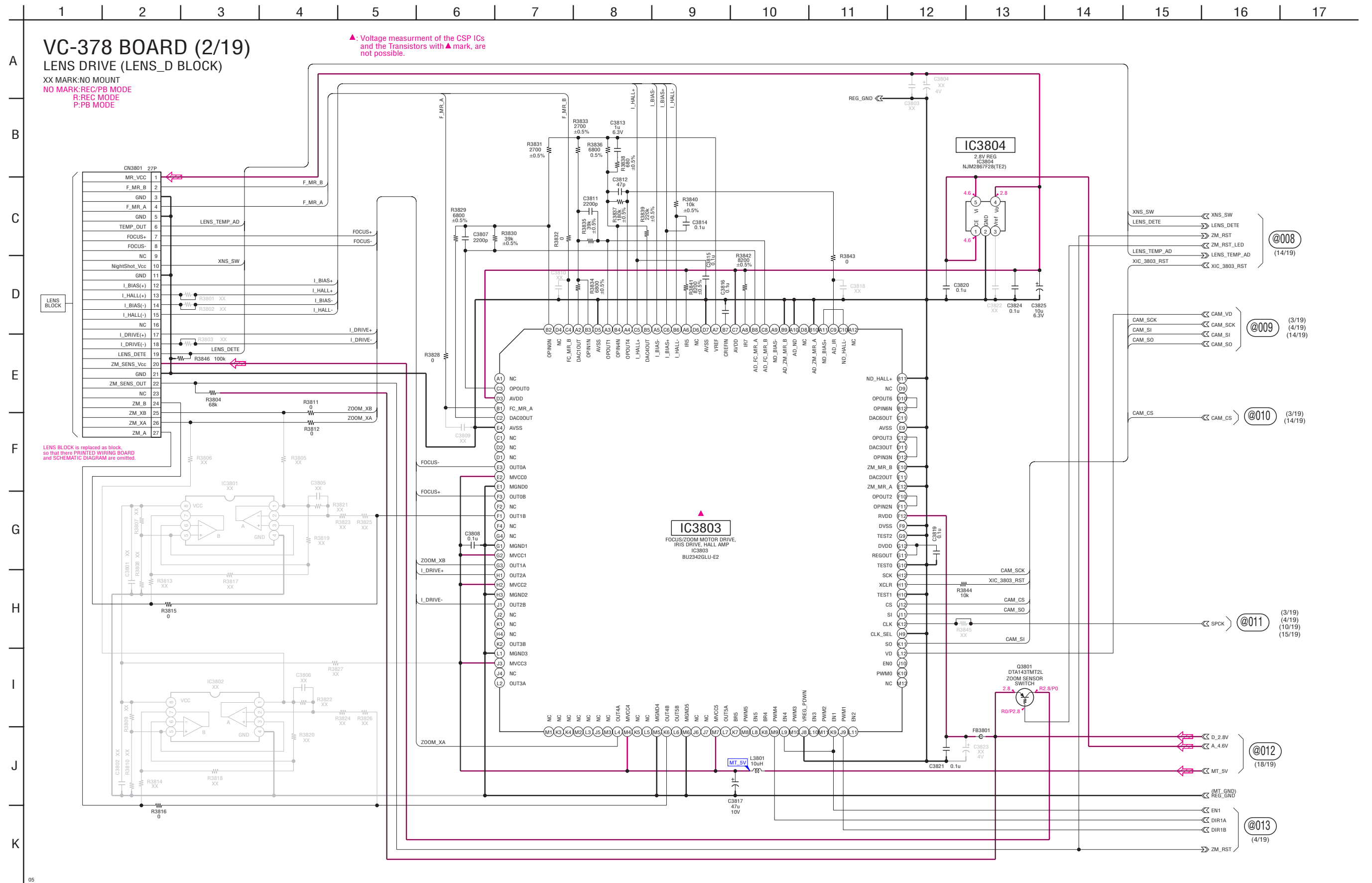
お願い
図面番号で部品を指定するときは基板名又はブロックを併せて指定して下さい。

For Schematic Diagram
• Refer to page 4-67 for printed wiring board.

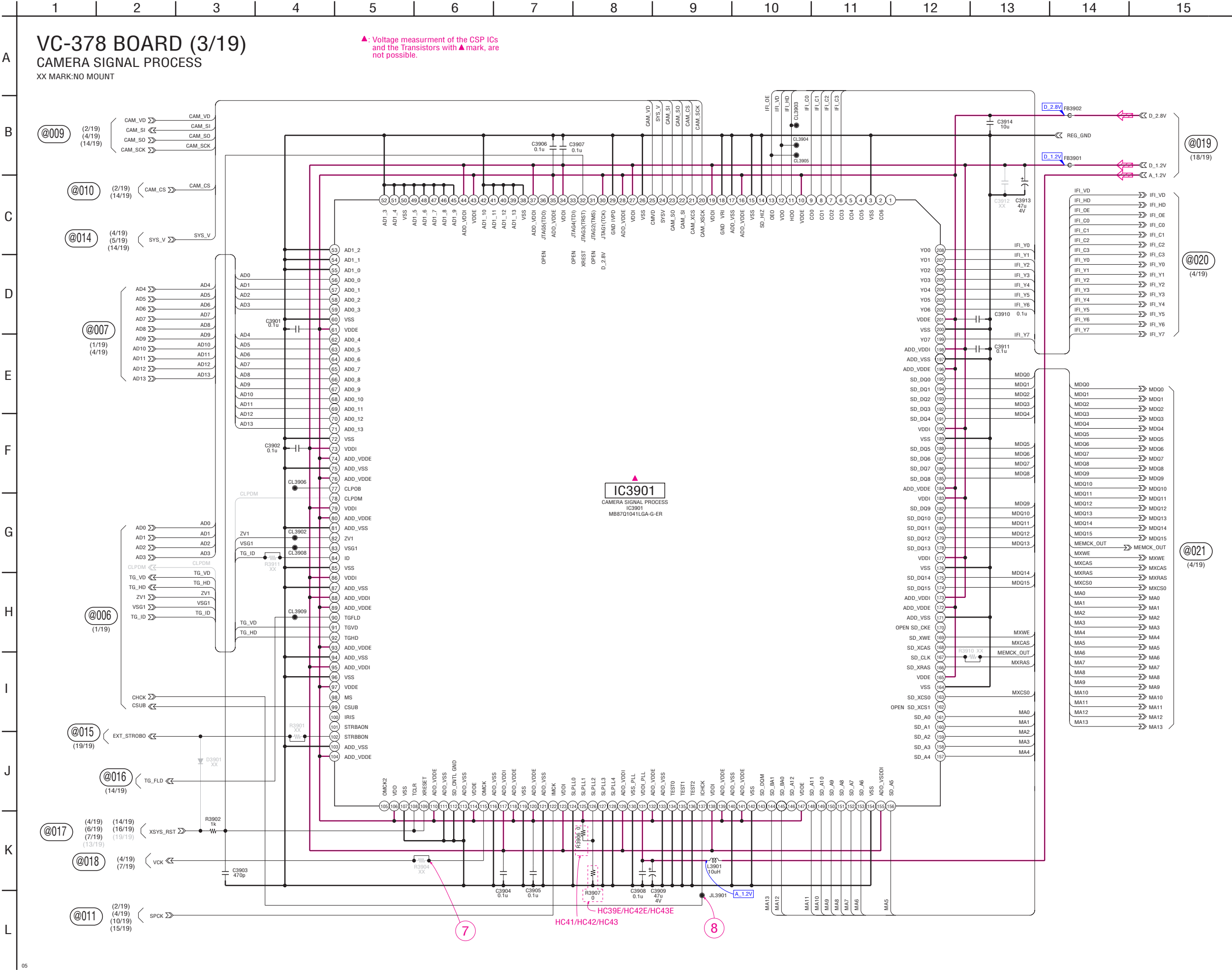


For Schematic Diagram

• Refer to page 4-67 for printed wiring board.



For Schematic Diagram
• Refer to page 4-67 for printed wiring board.



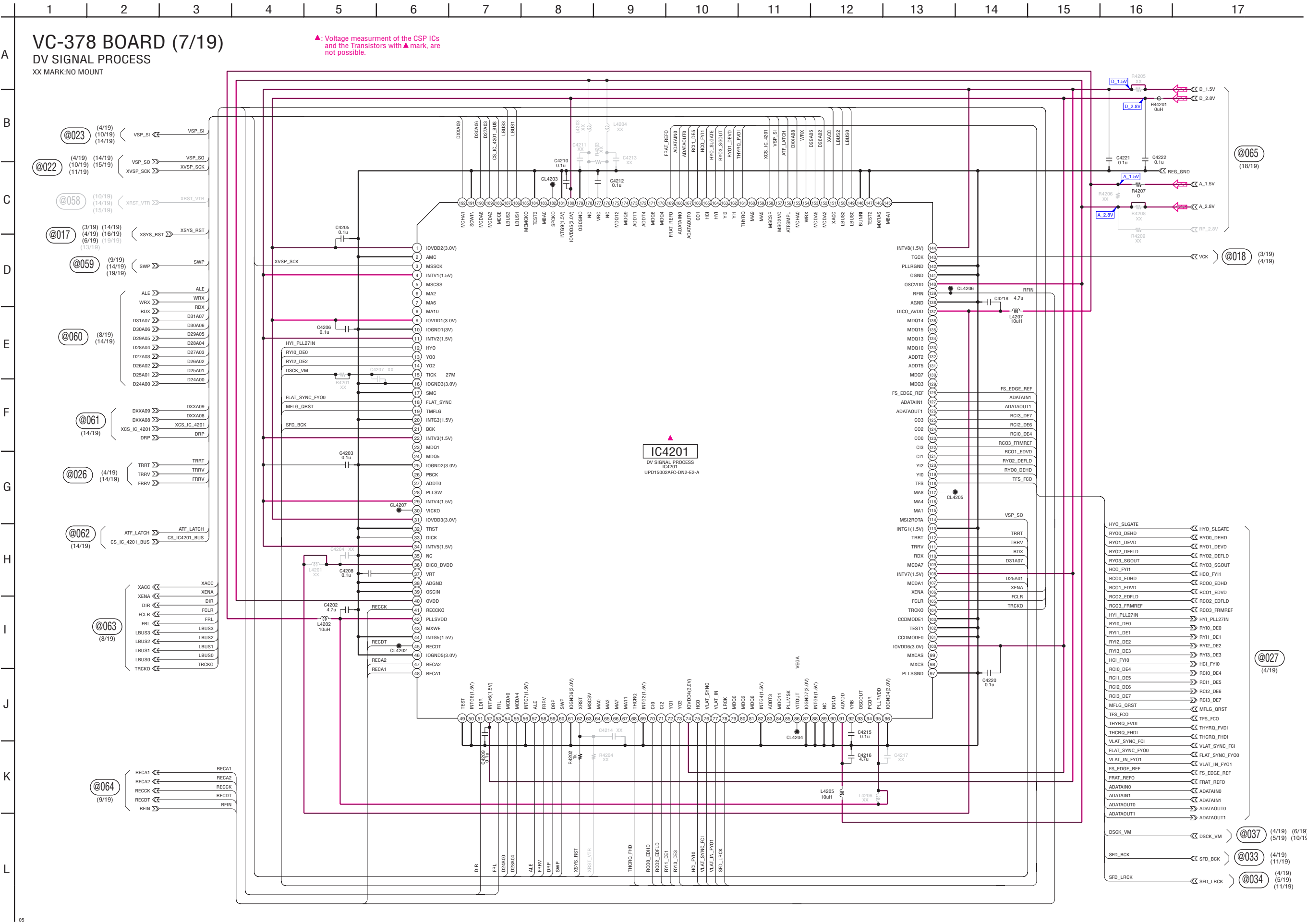
- Refer to page 4-67 for printed wiring board.

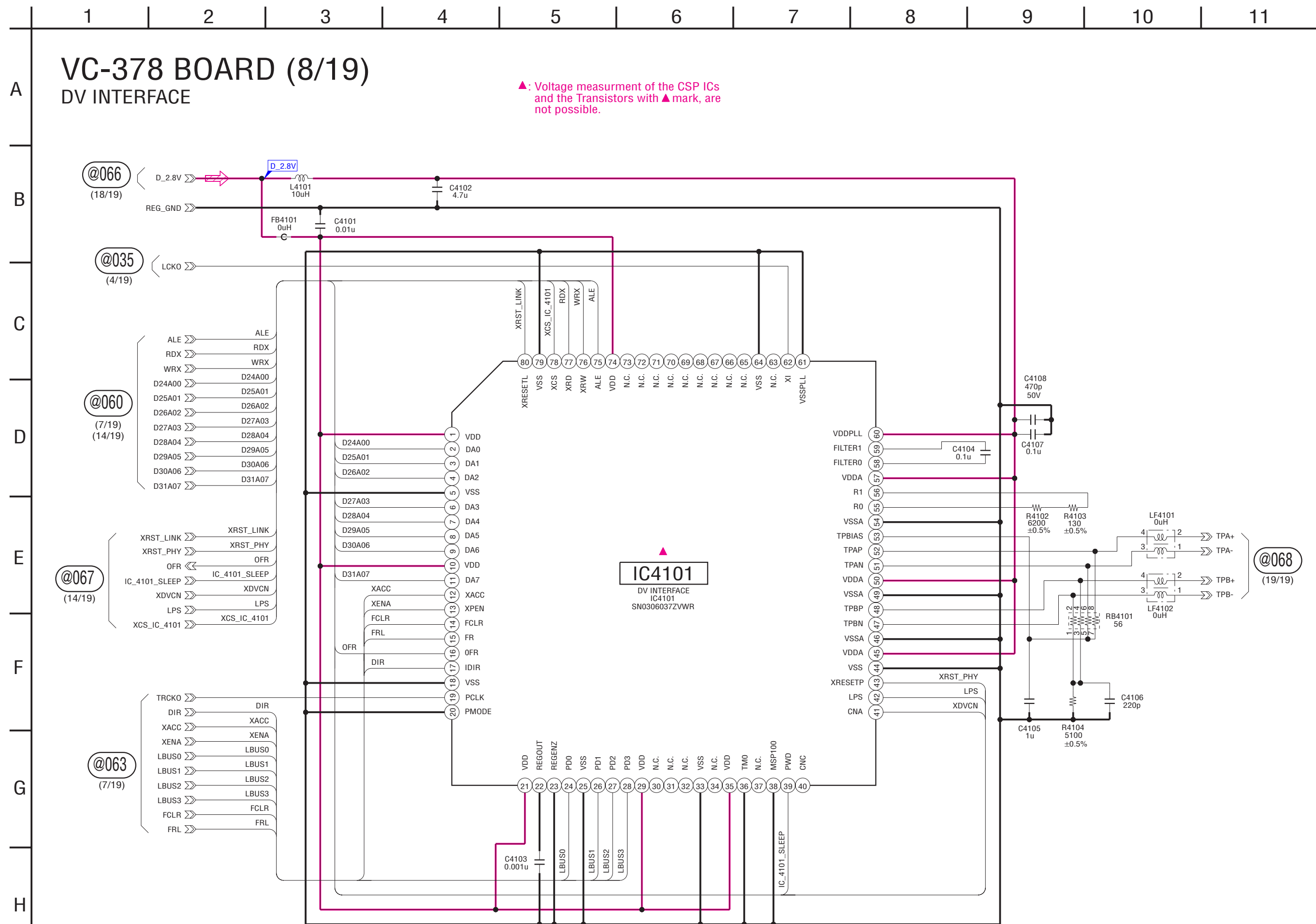


- Refer to page 4-67 for printed wiring board.



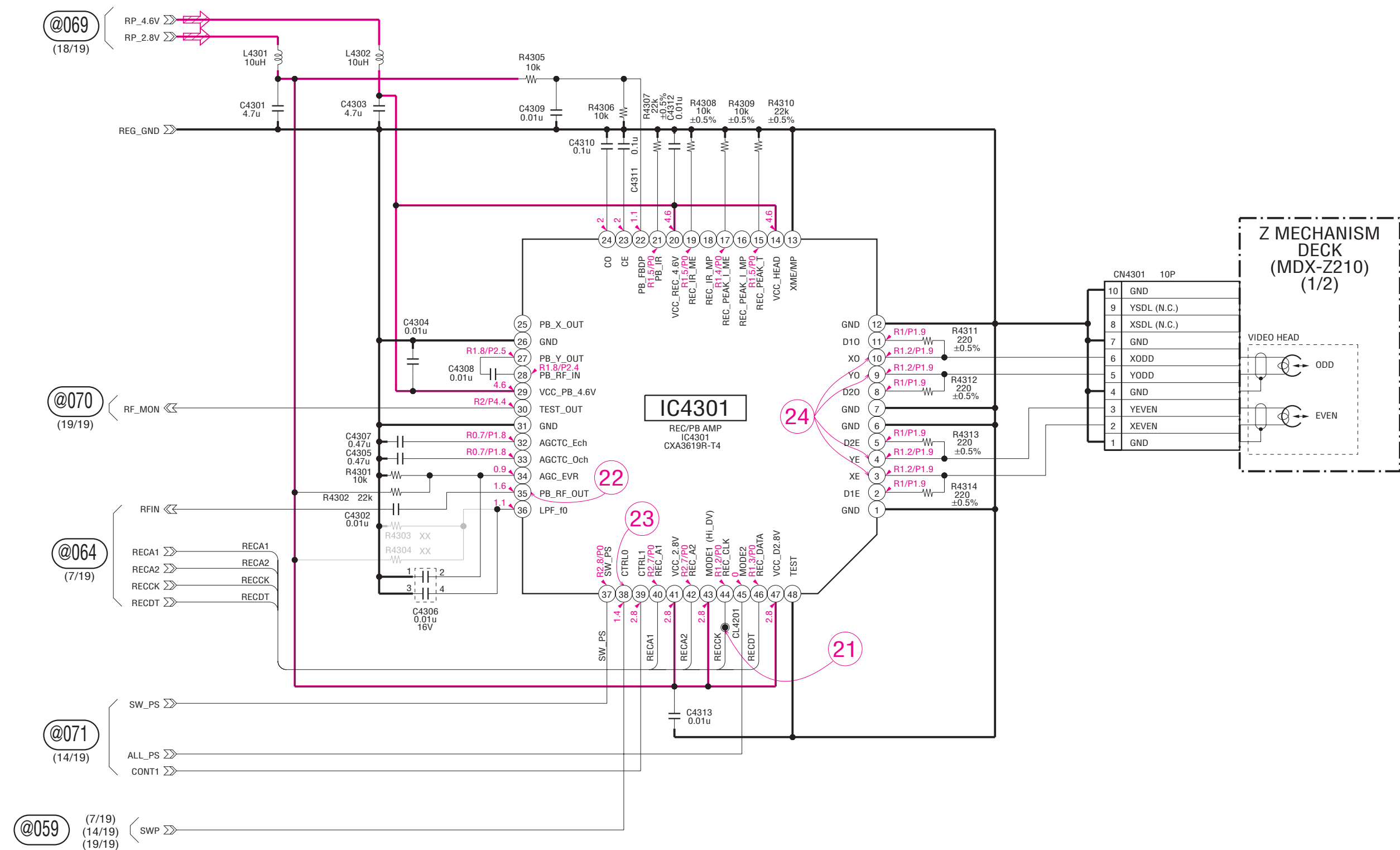
For Schematic Diagram
• Refer to page 4-67 for printed wiring board.





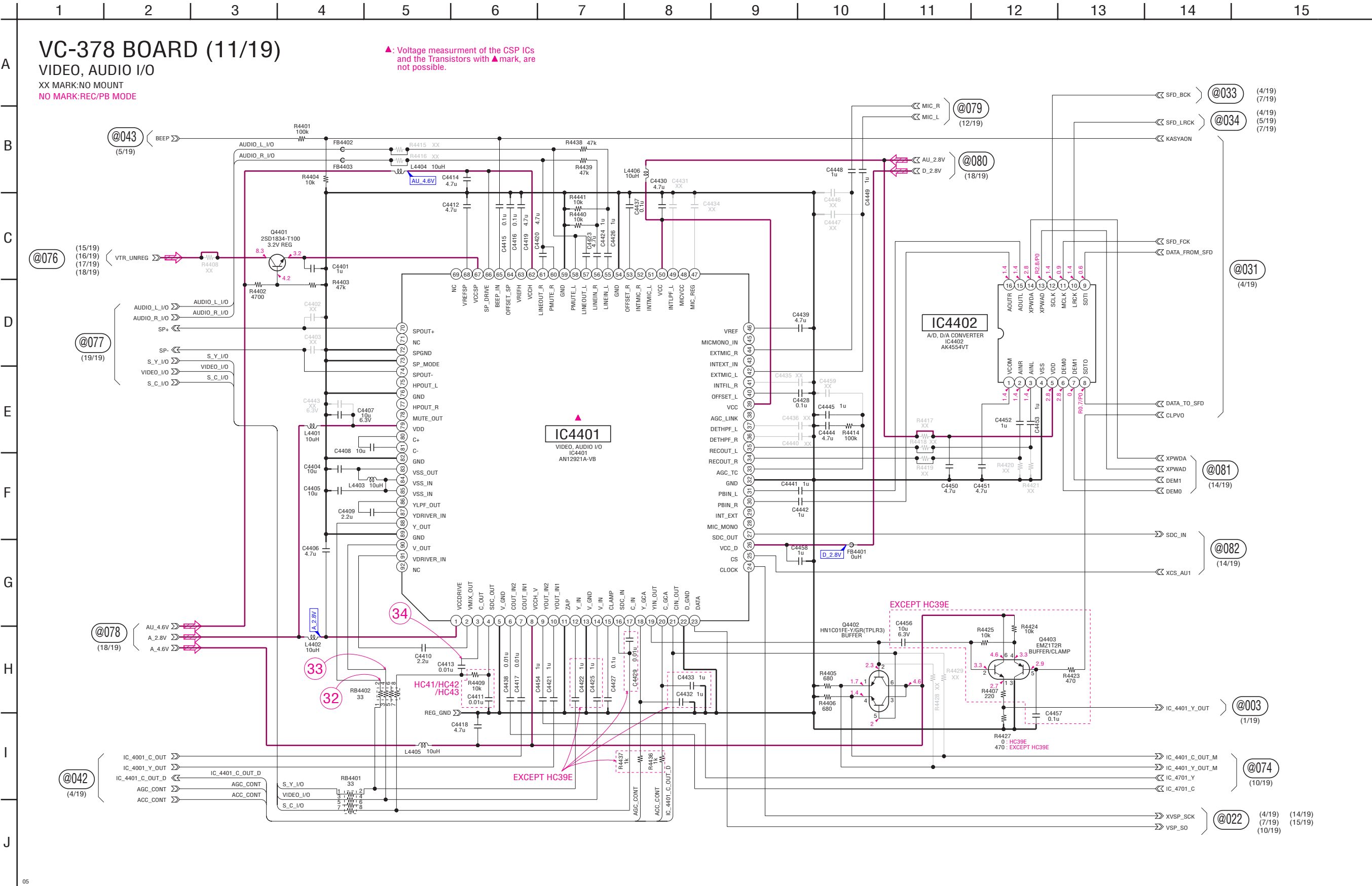
REC/PB AMP (RF BLOCK)

P:PB MODE



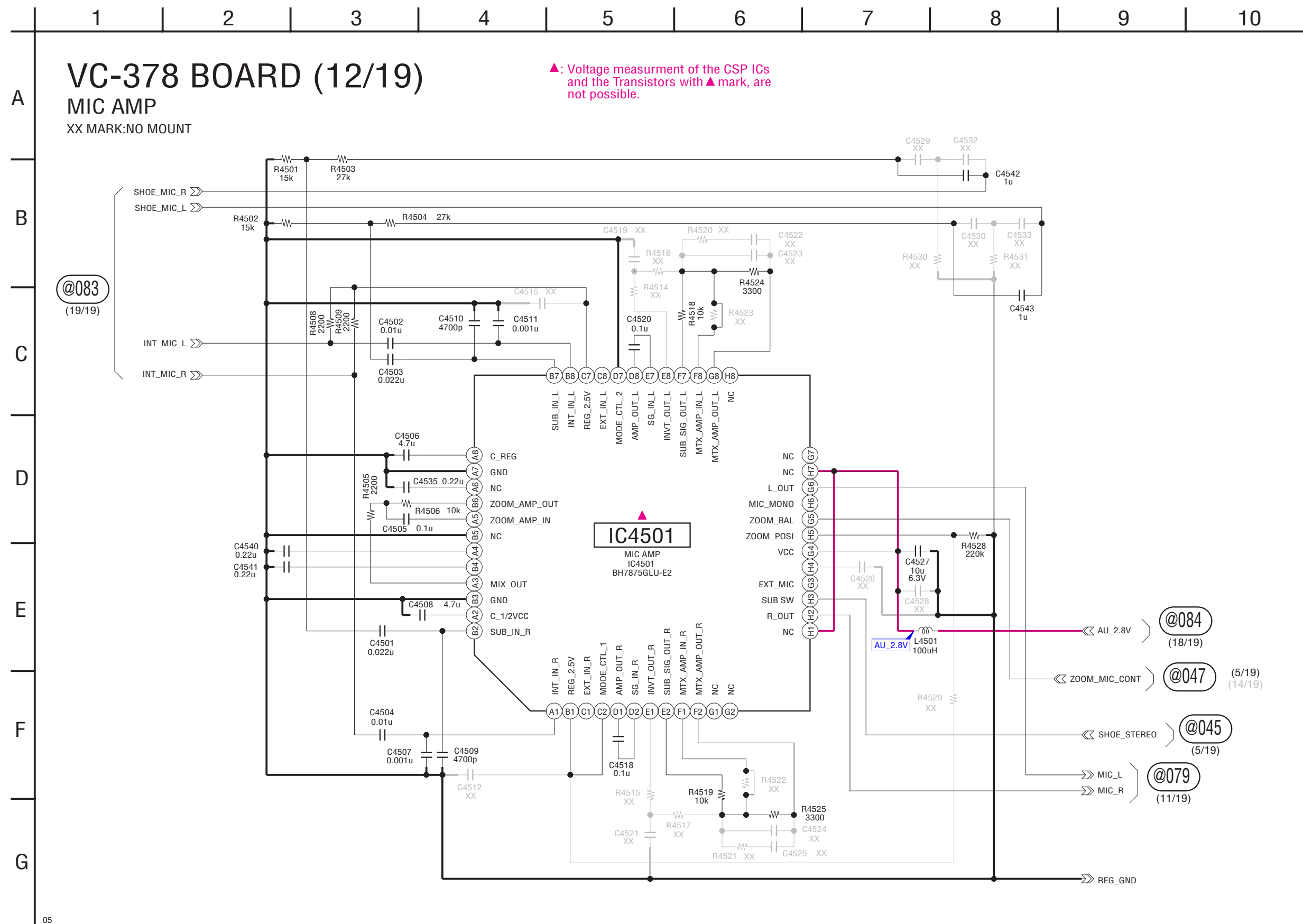


For Schematic Diagram
• Refer to page 4-67 for printed wiring board.



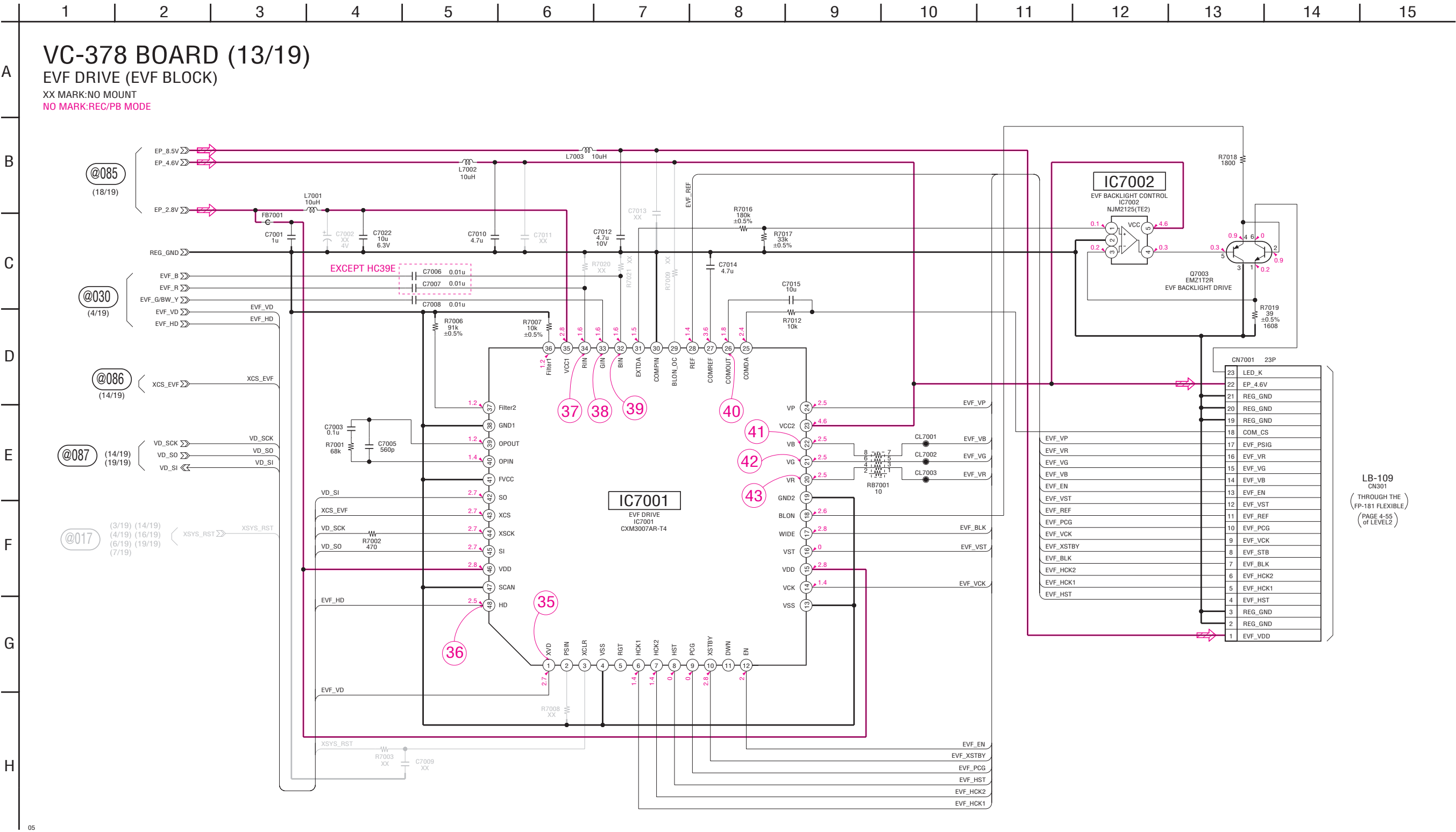
For Schematic Diagram

• Refer to page 4-67 for printed wiring board.



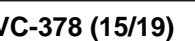
05

For Schematic Diagram
• Refer to page 4-67 for printed wiring board.



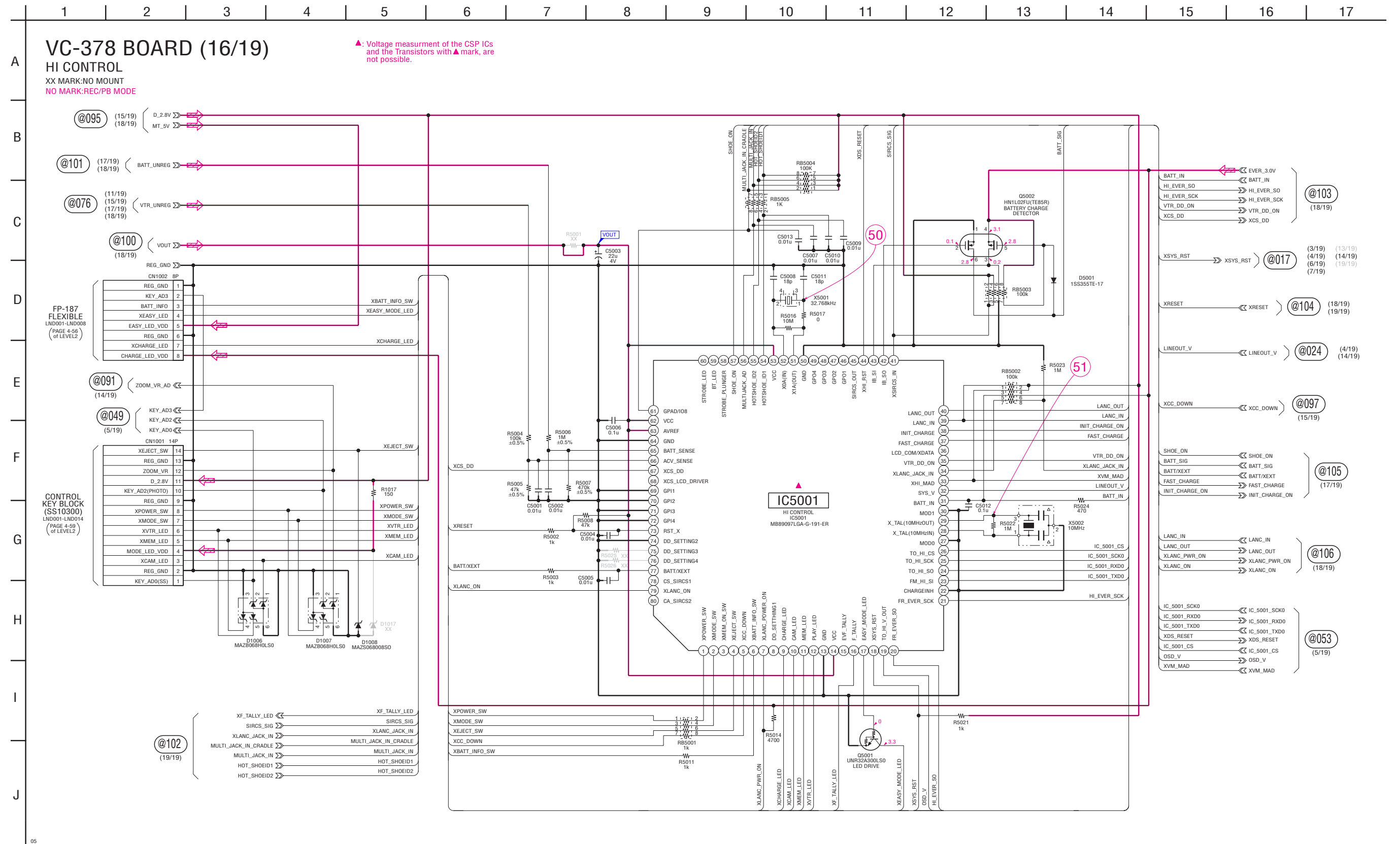
- Refer to page 4-67 for printed wiring board.



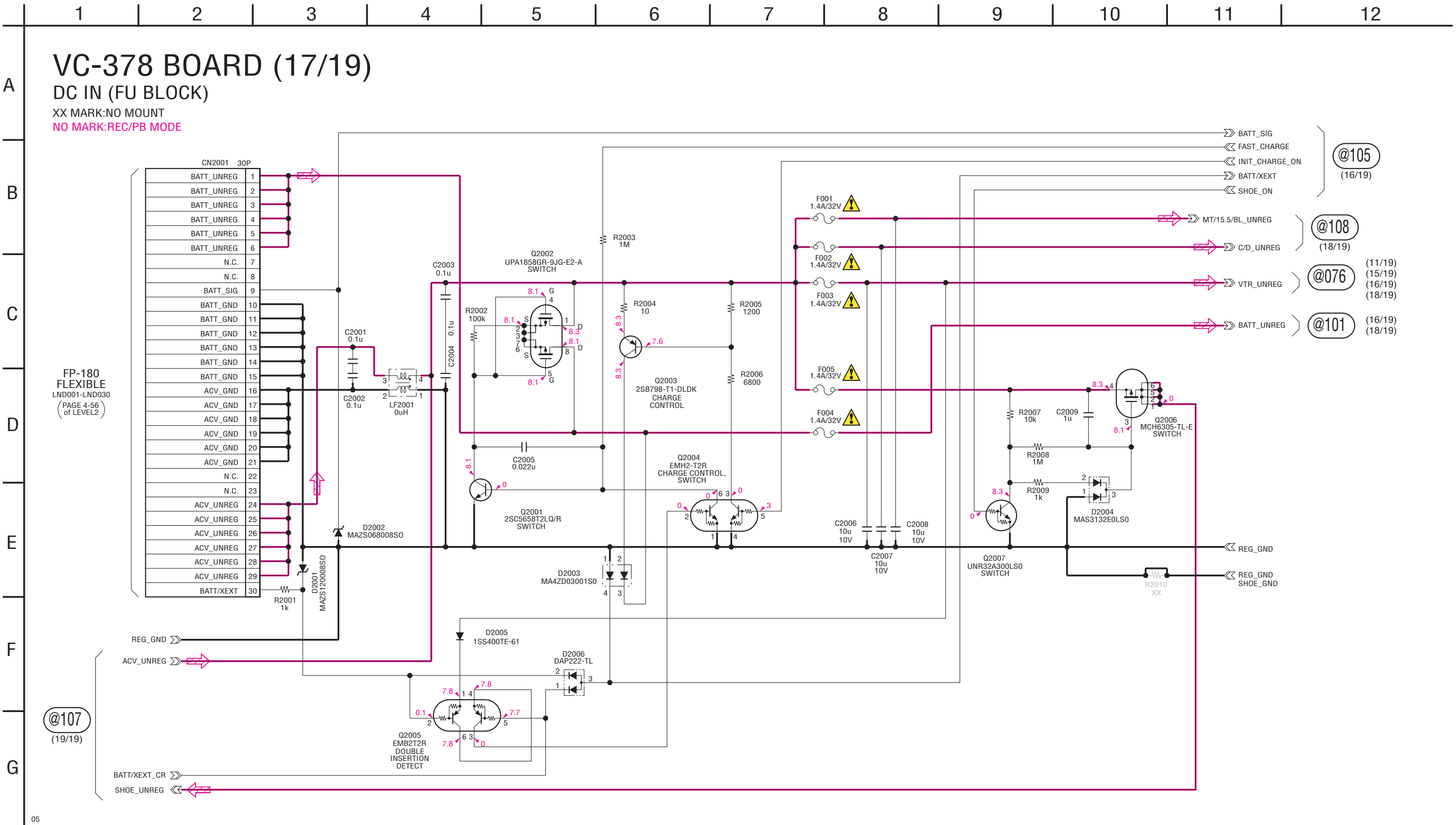


For Schematic Diagram

- Refer to page 4-67 for printed wiring board.



For Schematic Diagram
• Refer to page 4-67 for printed wiring board.



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

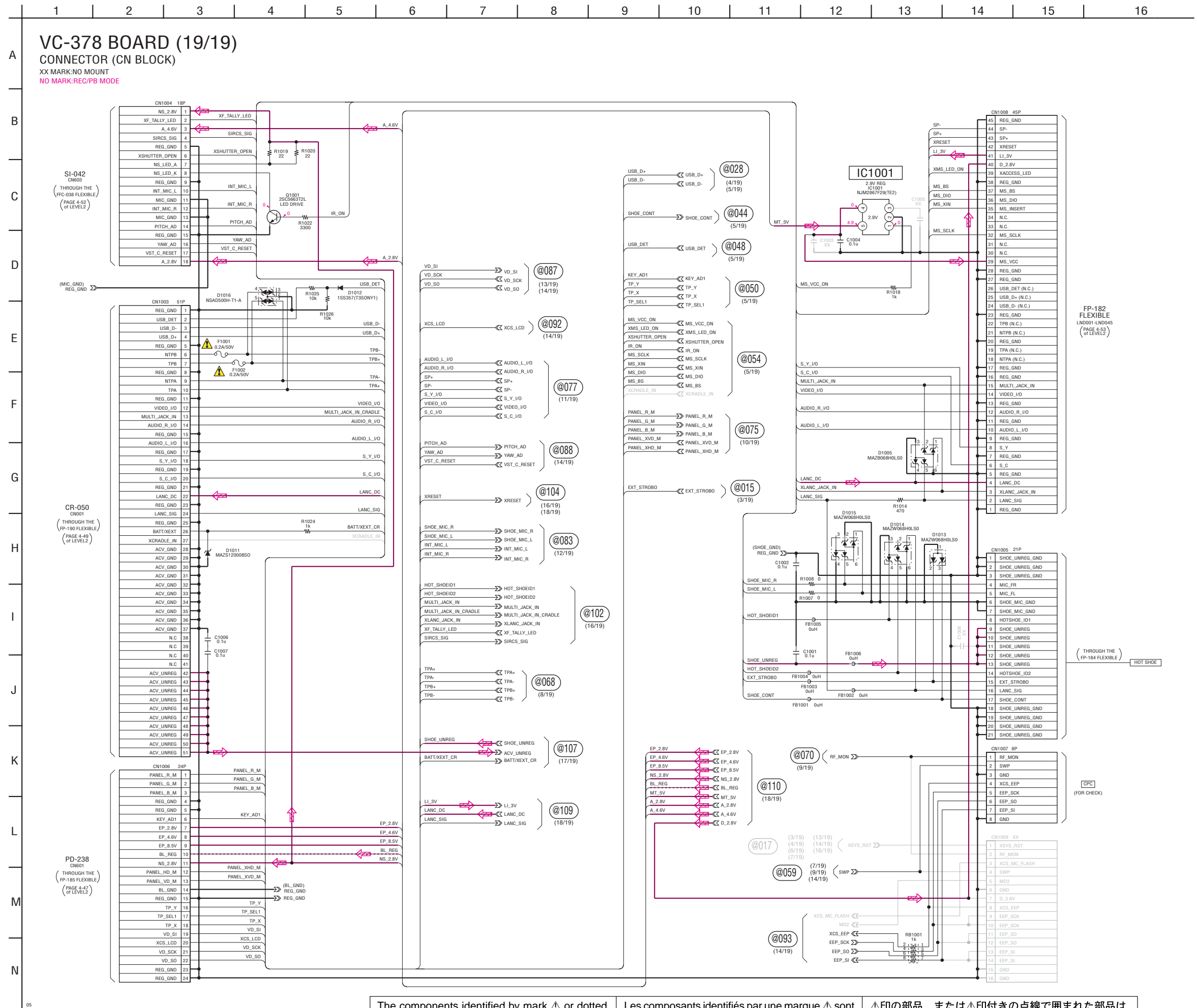
Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

\triangle 印の部品、または \triangle 印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用して下さい。

- Refer to page 4-67 for printed wiring board.



For Schematic Diagram
• Refer to page 4-67 for printed wiring board.



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

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

\triangle 印の部品、または \triangle 印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用して下さい。

4-3. PRINTED WIRING BOARDS

Link

• VC-378 BOARD (SIDE A)

• VC-378 BOARD (SIDE B)

• COMMON NOTE FOR PRINTED WIRING BOARDS

• WAVEFORMS

• MOUNTED PARTS LOCATION







Board Name	Function
VC-378	A/D CONVERTER, TIMING GENERATOR, LENS DRIVE, CAMERA SIGNAL PROCESS, VIDEO/AUDIO DSP, DS/HI CONTROL, FLASH, SDRAM, DV SIGNAL PROCESS, DV INTERFACE, REC/PB AMP, ASPECT RATIO CONVERTER, VIDEO, AUDIO I/O, MIC AMP, EVF DRIVE, CAMERA/MECHA CONTROL, SERVO, HI CONTROL, DC IN, DC/DC CONVERTER, CONNECTOR

4-3. PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

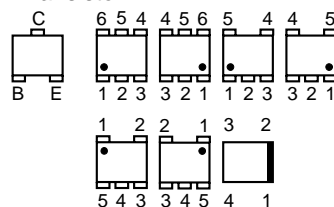
(ENGLISH)

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS

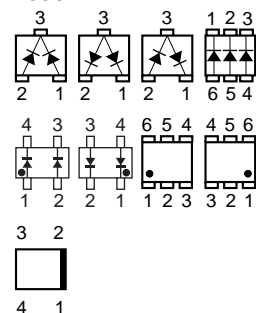
-  : Uses unleaded solder.
-  : Circuit board
-  : Flexible board
-  : Pattern from the side which enables seeing.
-  : pattern of the rear side
(The other layers' patterns are not indicated)
- Through hole is omitted.
- Circled numbers refer to waveforms.
- There are a few cases that the part printed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

- Chip parts.

Transistor









Diode



(JAPANESE)

プリント図共通ノート

【プリント図ノート】

-  : 無鉛半田を使用しています。
-  : 基板
-  : フレキシブル配線板
-  : 見ている面側のパターン。
-  : 裏側のパターン
(他のパターンについては表示されていません)
- スルーホールは省略。
- ○番号は波形図の照合番号。
- プリント図には、本機で使用していない部品が記載されている場合があります。
-  はパネル表示名称。

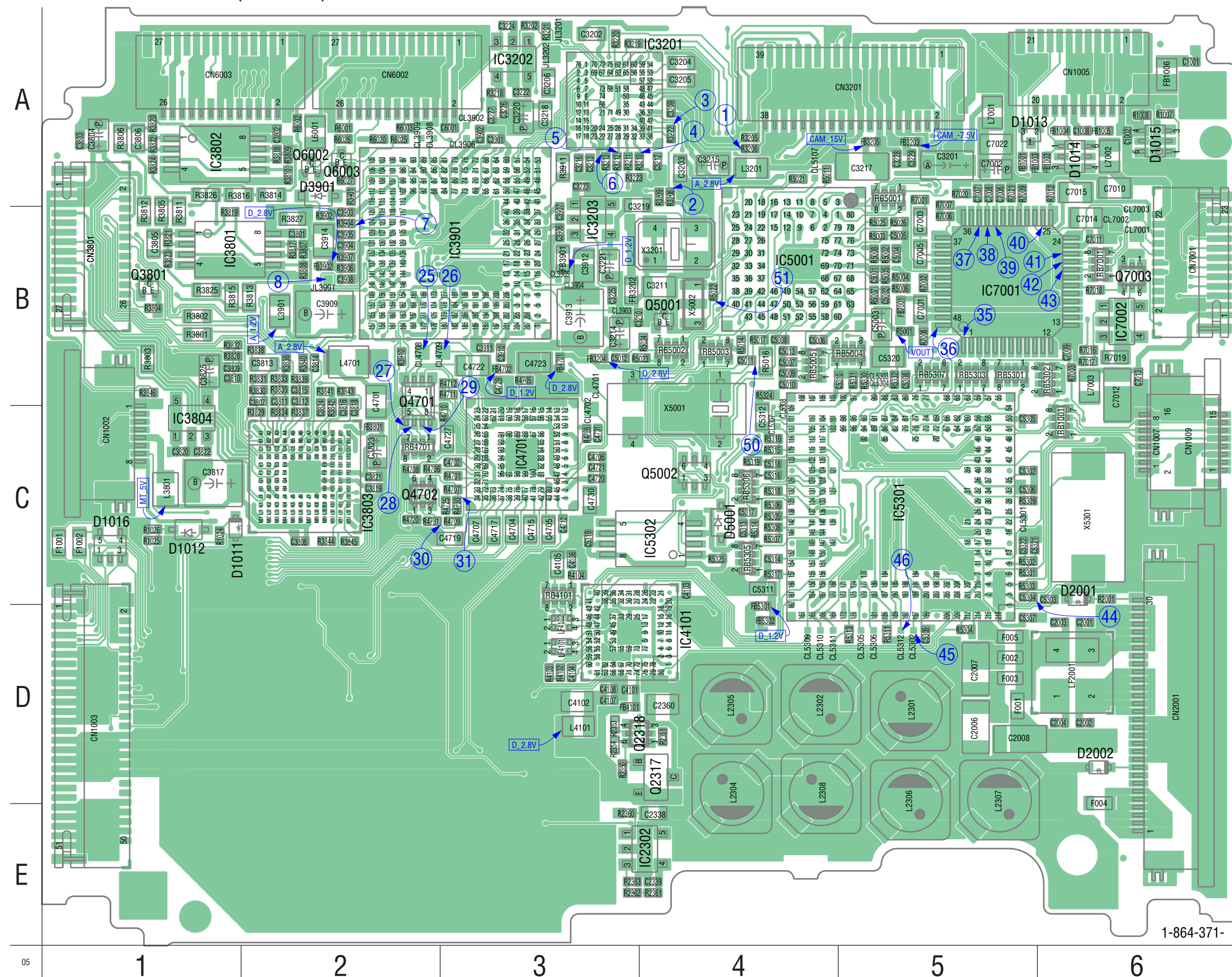
BOARD INFORMATION

Board Name	Waveform (Shown on Page)	Parts Location (Shown on Page)	Pattern	
			Total Number of Layers	Layers Not Indicated
VC-378	4-82	4-90	8 layers	2 to 7 layers

Note for Printed Wiring Board (See page 4-63).

LF : Uses unleaded solder.

VC-378 BOARD (SIDE A)

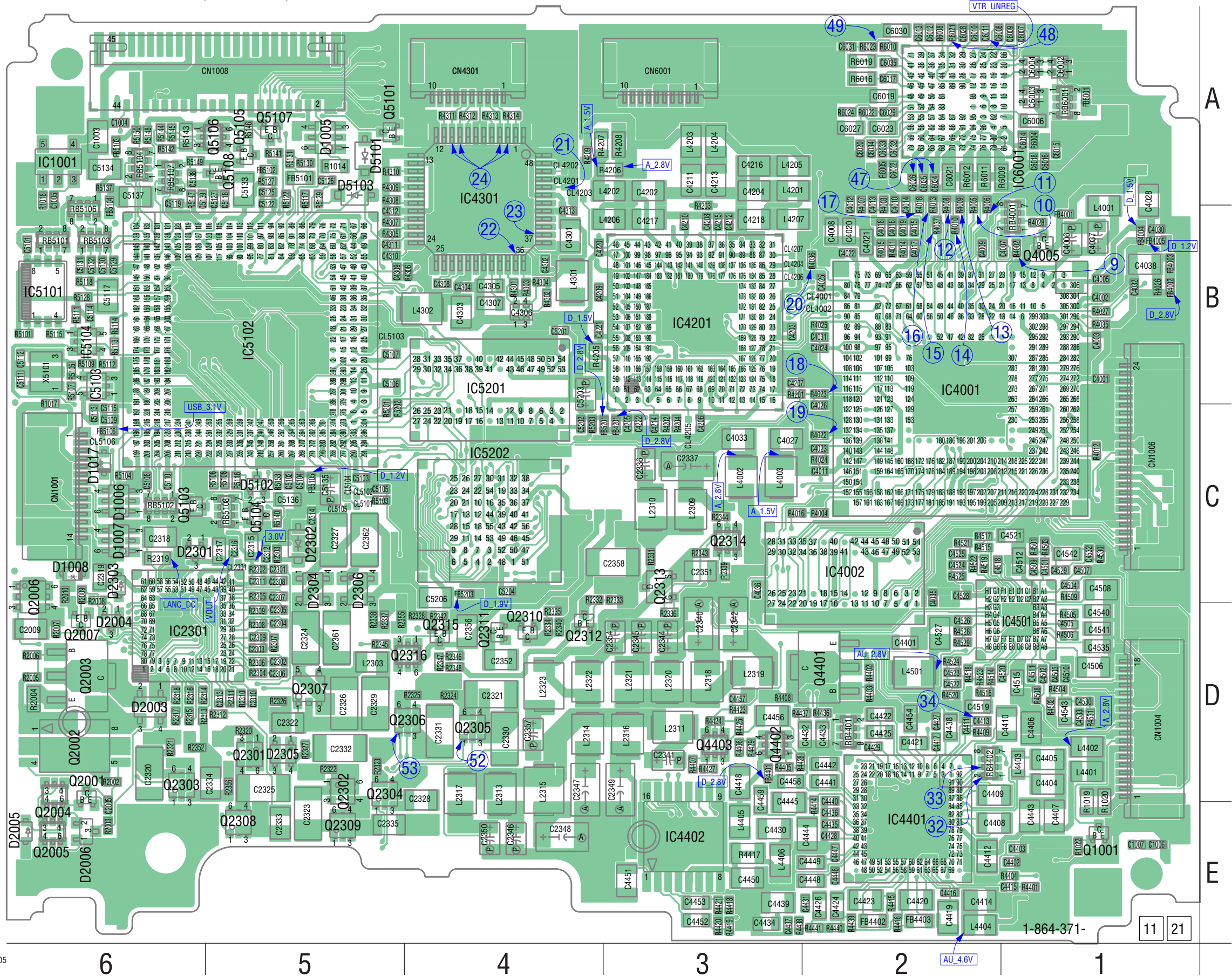


Note: CN1007 (8P) and CN1009 (16P) have the same mount location. When you replace, since either CN1007 or CN1009 is used, please refer to schematic diagram and electrical parts list.

Note for Printed Wiring Board (See page 4-63).

 : Uses unleaded solder.

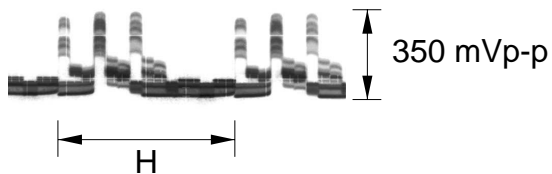
VC-378 BOARD (SIDE B)



4-4. WAVEFORMS

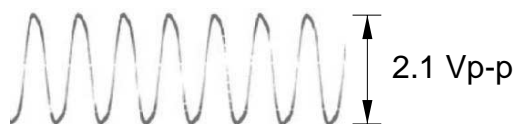
VC-378 BOARD (1/6)

①



R3206 (IC3201 ④④) REC

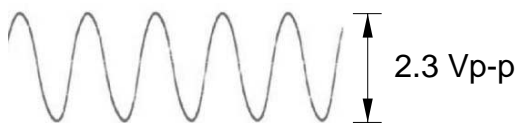
②

33 MHz: NTSC
27 MHz: PAL

R3208 (X3201) REC/PB

③

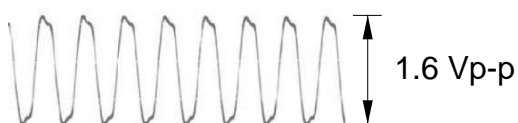
EXCEPT HC39E



27 MHz

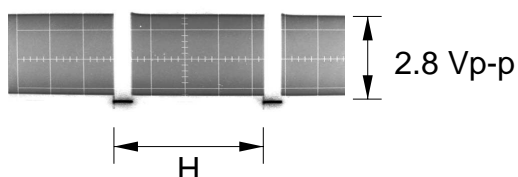
R3222 (IC3201 ④①) LINE REC

④

33 MHz: NTSC
27 MHz: PAL

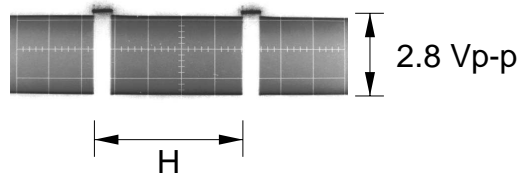
R3210 (IC3201 ③②) REC

⑤



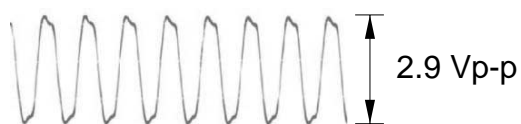
R3212 (IC3201 ②⑧) REC

⑥



R3213 (IC3201 ②⑦) REC

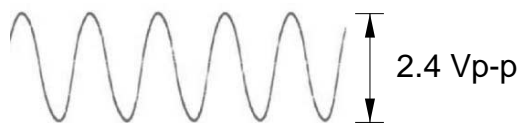
⑦



13.5 MHz

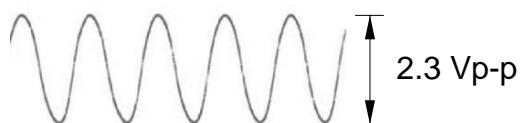
R3904 (IC3901 ①①⑤) REC/PB

⑧

33 MHz: NTSC
27 MHz: PAL

JL3901 (IC3901 ①③⑦) REC/PB

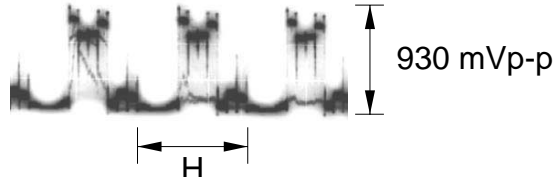
⑨



24.576 MHz

R4002 (IC4001 ②⑩) REC/PB

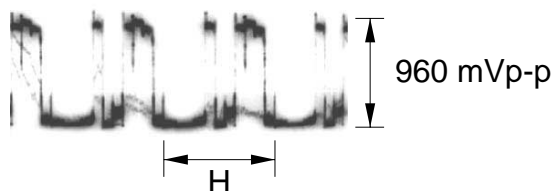
⑩



R4005 (IC4001 ③⑨) REC/PB

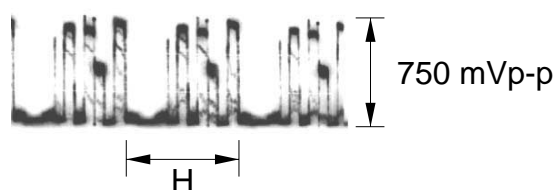
VC-378 BOARD (2/6)

⑪



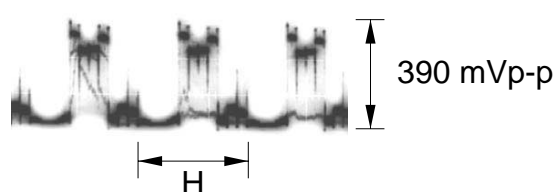
R4006 (IC4001 ④⑩) REC/PB

⑫



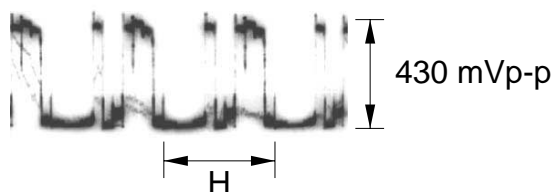
R4008 (IC4001 ④⑤) REC/PB

⑬



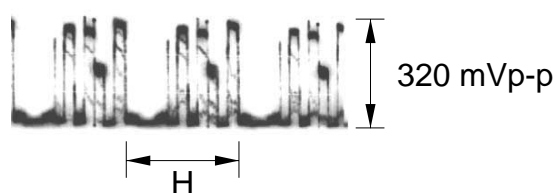
R4009 (IC4001 ④⑥) REC/PB

⑭



R4010 (IC4001 ④⑦) REC/PB

⑮



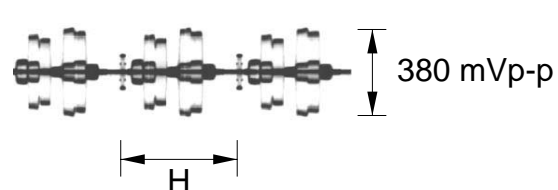
R4037 (IC4001 ⑤②) REC/PB

⑯



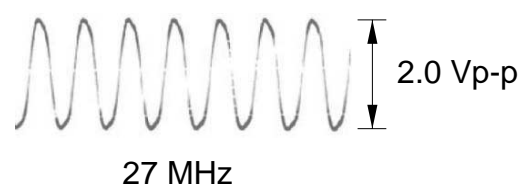
R4013 (IC4001 ⑤③) REC/PB

⑰



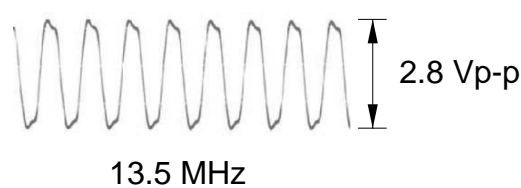
R4018 (IC4001 ⑥⑩) REC/PB

⑱



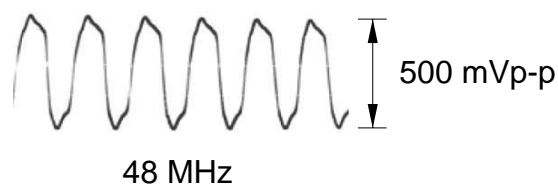
R4023 (IC4001 ⑪⑨) REC/PB

⑲



R4022 (IC4001 ⑬⑨) REC/PB

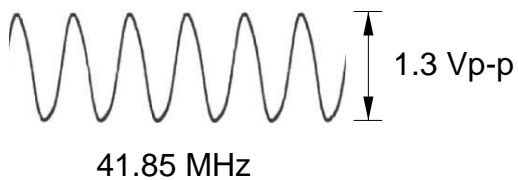
⑳



R4036 (IC4001 ⑦⑨) REC/PB

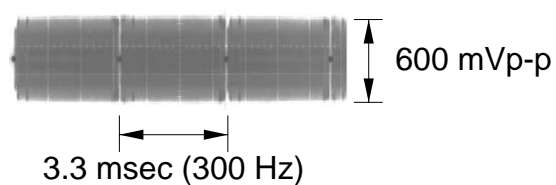
VC-378 BOARD (3/6)

⑳



CL4201 (IC4301 ㉔) REC

㉑



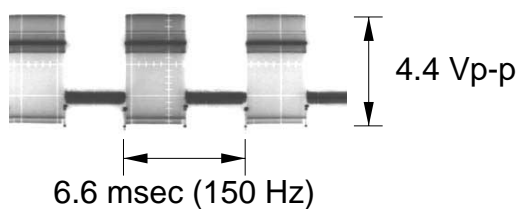
IC4301 ㉓ PB

㉒



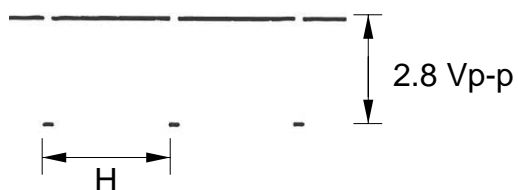
IC4301 ㉓ REC/PB

㉓



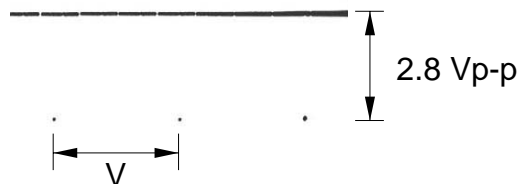
IC4301 ㉓, ㉔, ㉑, ㉒ REC

㉔



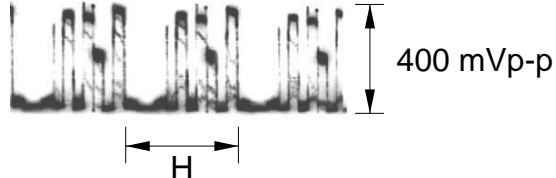
CL4708 (IC4701 ㉒) REC/PB

㉕



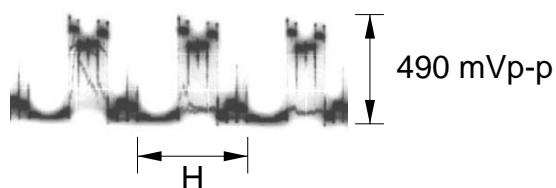
CL4709 (IC4701 ㉓) REC/PB

㉖



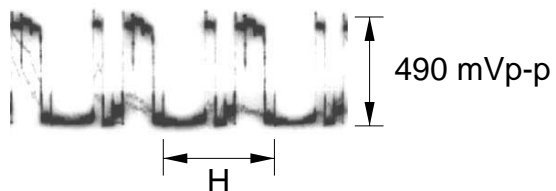
Q4701 ㉓ REC/PB

㉗



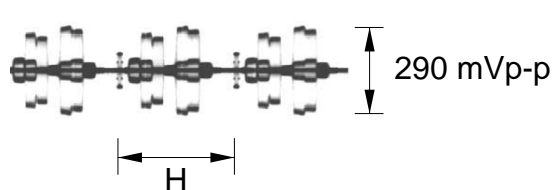
Q4701 ㉔ REC/PB

㉘



Q4701 ㉑ REC/PB

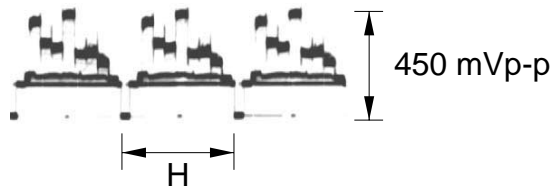
㉙



R4731 (IC4701 ㉔) REC (WIDE mode)

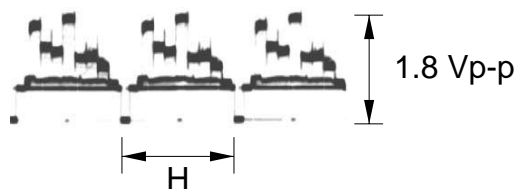
VC-378 BOARD (4/6)

③①



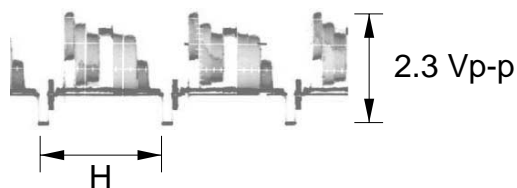
R4730 (IC4701 ③②) REC (WIDE mode)

③②



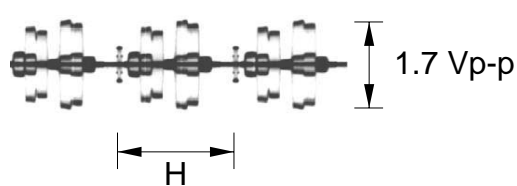
RB4402 ② (IC4401 ⑧⑧) REC/PB

③③



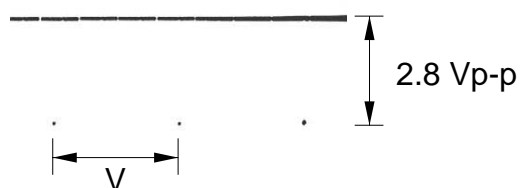
RB4402 ④ (IC4401 ⑨⑨) REC/PB

③④



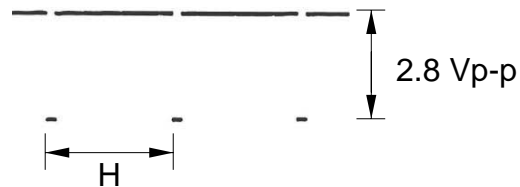
C4413 (IC4401 ③) REC/PB

③⑤



IC7001 ① REC/PB

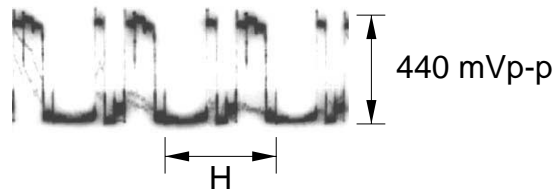
③⑥



IC7001 ④⑧ REC/PB

③⑦

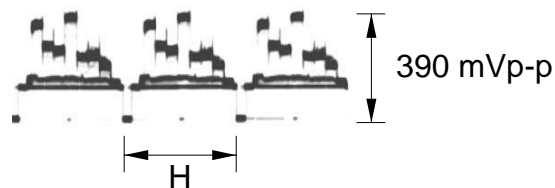
EXCEPT HC39E



IC7001 ③④ REC/PB

③⑧

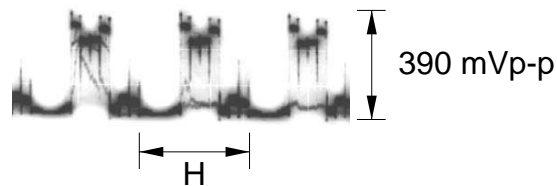
HC39E



IC7001 ③③ REC/PB

③⑧

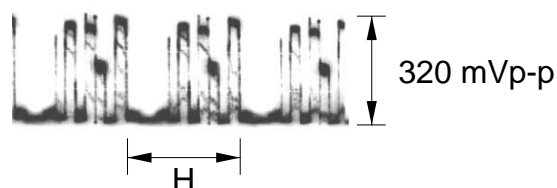
EXCEPT HC39E



IC7001 ③③ REC/PB

③⑨

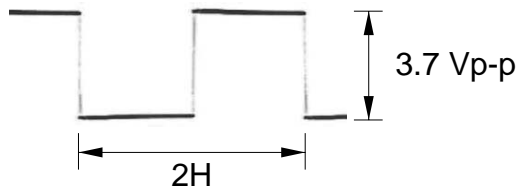
EXCEPT HC39E



IC7001 ③② REC/PB

VC-378 BOARD (5/6)

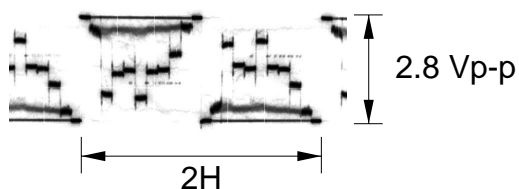
④①



IC7001 ②⑥ REC/PB

④①④②④③

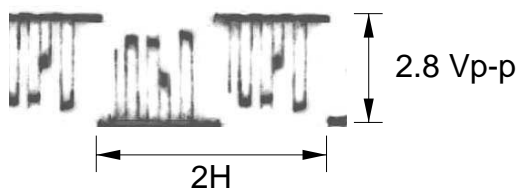
HC39E



IC7001 ②①, ②①, ②② REC/PB

④①

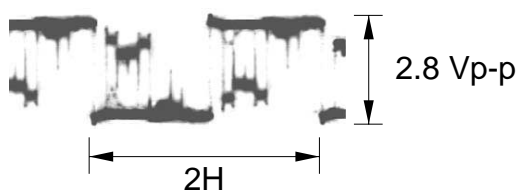
EXCEPT HC39E



IC7001 ②② REC/PB

④②

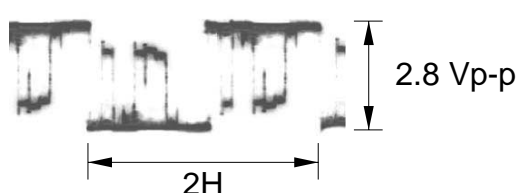
EXCEPT HC39E



IC7001 ②① REC/PB

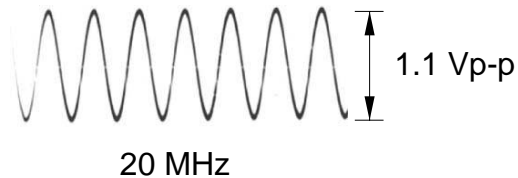
④③

EXCEPT HC39E



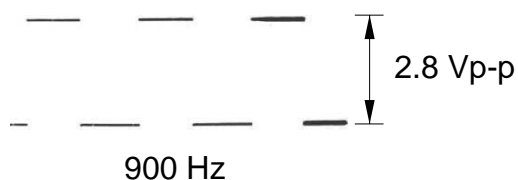
IC7001 ②① REC/PB

④④



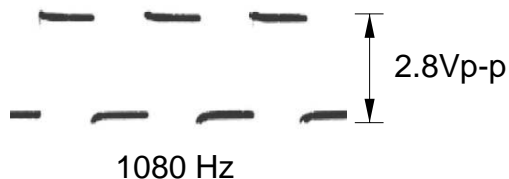
X5301 (IC5301 ③) REC/PB

④⑤



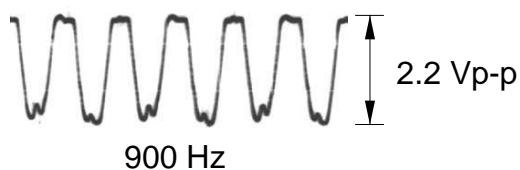
CL5302 (IC5301 ①⑨⑦) REC/PB

④⑥

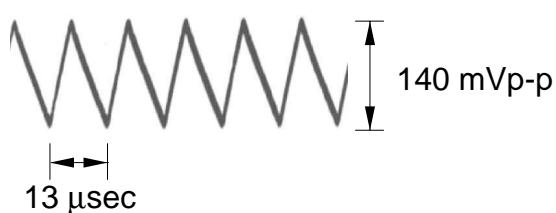


CL5312 (IC5301 ①⑨①) REC/PB

④⑦

C6024, C6025, C6026
(IC6001 ⑥③, ⑥⑤, ⑥⑧) REC/PB

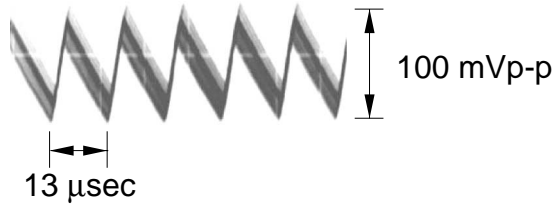
④⑧



R6021 (IC6001 ④④) REC/PB

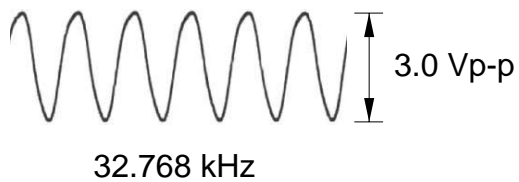
VC-378 BOARD (6/6)

④9



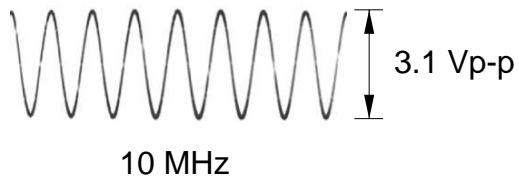
R6023 (IC6001 ④1) REC/PB

⑤0



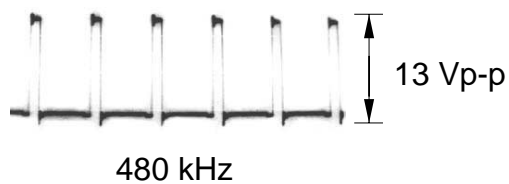
X5001 (IC5001 ⑤1) REC/PB

⑤1



X5002 (IC5001 ②9) REC/PB

⑤2



Q2305 ① REC/PB

⑤3



Q2306 ① REC/PB

4-3. PRINTED WIRING BOARDS

4-5. MOUNTED PARTS LOCATION

no mark : side A

* mark : side B

VC-378 BOARD

C1001 A-6	C3222 A-3	* C4304 B-4	C4720 C-3	* C6029 A-2	* FB4402 E-2
C1002 A-6	C3223 A-3	* C4305 B-4	C4721 C-3	* C6030 A-2	* FB4403 E-2
* C1004 A-6	C3225 B-3	* C4306 B-4	C4722 B-3	* C6031 A-2	* FB4701 B-3
* C1006 E-1	C3227 A-3	* C4307 B-4	C4723 B-3	* C6032 A-2	* FB4702 B-3
* C1007 E-1	C3228 A-5	* C4308 B-4	C4727 C-3	* C6033 A-2	* FB5101 A-5
C2001 D-6	C3229 A-5	* C4309 B-5	C4729 B-3	* C6034 A-2	* FB5102 A-5
C2002 D-6	C3807 B-2	* C4310 B-5	C4730 C-3	C7001 B-5	* FB5103 A-6
C2003 D-6	C3808 C-2	* C4311 B-5	C5001 B-5	C7003 B-5	* FB5105 C-5
C2004 D-6	C3811 B-2	* C4312 B-5	C5002 B-5	C7005 B-5	* FB5106 C-6
* C2005 E-6	C3812 B-2	* C4313 B-4	C5003 B-5	C7006 A-5	* FB5201 C-3
C2006 D-5	C3813 B-2	* C4401 D-2	C5004 B-5	C7007 A-5	* FB5203 C-4
C2007 D-5	C3814 B-2	* C4404 D-1	C5005 B-5	C7008 A-5	* FB5301 D-4
C2008 D-5	C3815 B-2	* C4405 D-1	C5006 B-4	C7010 A-6	* FB6001 A-1
* C2009 D-6	C3816 B-2	* C4406 D-1	C5007 B-4	C7012 B-6	* FB7001 B-5
* C2301 C-5	C3817 C-1	* C4407 E-1	C5008 B-4	C7014 A-6	
* C2302 D-5	C3819 C-2	* C4408 E-2	C5009 B-4	C7015 A-6	* IC1001 A-6
* C2303 D-5	C3820 C-1	* C4409 D-2	C5010 B-4	C7022 A-5	* IC2301 D-6
* C2304 D-5	C3821 C-2	* C4410 D-1	C5011 B-4		* IC2302 E-4
* C2305 D-5	C3824 C-2	* C4411 D-2	C5012 B-3	* CN1001 C-6	IC3201 A-4
* C2306 D-5	C3825 B-1	* C4412 E-2	C5013 B-4	CN1002 C-1	IC3202 A-3
* C2307 C-5	C3901 A-3	* C4413 D-2	* C5101 B-6	CN1003 D-1	IC3203 B-3
* C2308 C-5	C3902 A-3	* C4414 E-2	* C5102 C-5	* CN1004 D-1	IC3803 C-2
* C2309 D-5	C3903 B-2	* C4415 E-1	* C5103 C-5	CN1005 A-6	IC3804 C-1
* C2310 D-5	C3904 B-2	* C4416 E-2	* C5104 C-5	* CN1006 C-1	IC3901 B-3
* C2311 C-5	C3905 B-2	* C4417 D-2	* C5106 B-5	CN1007 C-6	* IC4001 B-2
* C2312 C-5	C3906 B-3	* C4418 D-3	* C5107 B-5	* CN1008 A-5	* IC4002 C-2
* C2313 D-5	C3907 B-3	* C4419 E-2	* C5108 C-6	CN2001 D-6	IC4101 D-4
* C2314 C-5	C3908 B-2	* C4420 E-2	* C5109 C-6	CN3201 A-5	* IC4201 B-3
* C2315 C-5	C3909 B-2	* C4421 D-2	* C5110 C-6	CN3801 B-1	* IC4301 A-4
* C2316 C-5	C3910 B-3	* C4422 D-2	* C5114 B-6	* CN4301 A-4	* IC4401 E-2
* C2317 C-5	C3911 B-3	* C4423 E-2	* C5115 B-6	* CN6001 A-3	* IC4402 E-3
* C2318 C-6	C3913 B-3	* C4424 E-2	* C5117 B-6	CN6002 A-2	* IC4501 D-1
* C2319 C-6	C3914 B-2	* C4425 D-2	* C5118 A-5	CN6003 A-1	IC4701 C-3
* C2320 D-6	* C4001 B-1	* C4426 E-2	* C5119 A-6	CN7001 D-6	IC5001 B-4
* C2321 D-4	* C4002 B-1	* C4427 D-2	* C5122 A-5		* IC5101 B-6
* C2322 D-5	* C4003 B-1	* C4428 E-2	* C5125 A-5	* D1005 A-5	* IC5102 B-5
* C2323 E-5	* C4005 B-1	* C4429 D-2	* C5126 A-5	* D1006 C-6	* IC5201 B-4
* C2324 D-5	* C4006 B-1	* C4430 E-3	* C5127 A-5	* D1007 C-6	* IC5202 C-4
* C2325 D-5	* C4007 B-1	* C4432 D-2	* C5133 A-5	* D1008 C-6	* IC5301 C-5
* C2326 D-5	* C4008 B-2	* C4433 D-2	* C5134 A-6	D1011 C-1	IC5302 C-4
* C2327 C-5	* C4009 B-2	* C4437 E-3	* C5135 C-5	D1012 C-1	* IC6001 A-2
* C2328 D-4	* C4010 A-2	* C4438 D-2	* C5136 C-5	D1013 A-5	IC7001 B-5
* C2329 D-5	* C4011 C-2	* C4439 E-3	* C5201 B-4	D1014 A-6	IC7002 B-6
* C2330 D-4	* C4012 A-2	* C4441 D-2	* C5202 C-4	D1015 A-6	
* C2331 D-4	* C4013 A-2	* C4442 D-2	* C5203 B-4	D1016 C-1	L2301 D-5
* C2332 D-5	* C4014 A-2	* C4444 E-2	* C5204 C-4	D2001 C-6	L2302 D-4
* C2333 E-5	* C4015 B-2	* C4445 D-3	* C5206 C-4	D2002 D-6	* L2303 D-5
* C2334 D-5	* C4016 B-2	* C4448 E-2	C5303 C-6	* D2003 D-6	L2304 C-4
* C2335 E-5	* C4017 B-2	* C4449 E-2	C5304 C-5	* D2004 D-6	L2305 D-4
* C2336 C-3	* C4018 B-2	* C4450 E-3	C5305 C-5	* D2005 E-6	L2306 E-5
* C2337 C-3	* C4019 B-2	* C4451 E-3	C5306 C-5	* D2006 E-6	L2307 E-5
C2338 E-4	* C4022 B-2	* C4452 E-3	C5307 D-5	* D2301 C-6	L2308 D-4
C2339 E-4	* C4023 C-2	* C4453 E-3	C5308 B-5	* D2302 C-5	* L2309 C-3
* C2340 D-3	* C4024 B-2	* C4454 D-2	C5309 D-5	* D2303 C-6	* L2310 C-3
* C2341 D-3	* C4025 B-2	* C4456 D-3	C5310 B-5	* D2304 C-5	* L2311 D-3
* C2342 D-3	* C4027 C-3	* C4457 D-3	C5311 C-4	* D2305 D-5	* L2313 D-4
* C2344 D-3	* C4030 B-1	* C4458 D-3	C5312 C-4	D5001 C-4	* L2314 D-4
* C2345 D-3	* C4033 C-3	* C4501 C-1	C5316 C-4	* D5102 C-5	* L2315 D-4
* C2346 E-4	* C4035 C-2	* C4502 D-1	C5317 C-4		* L2316 D-3
* C2347 D-4	* C4036 C-3	* C4503 D-1	C5319 C-3	F001 D-5	* L2317 D-4
* C2348 E-4	* C4038 B-1	* C4504 C-1	C5321 C-5	F002 D-5	* L2318 D-3
* C2349 D-3	C4101 D-3	* C4505 D-1	C6001 A-3	F003 D-5	* L2319 D-3
* C2350 E-4	C4102 D-3	* C4506 D-1	* C6002 A-1	F004 E-6	* L2320 D-3
* C2351 C-3	C4103 C-4	* C4507 C-1	* C6003 A-1	F005 D-5	* L2321 D-3
* C2352 D-4	C4104 C-3	* C4508 C-1	* C6004 A-1	F1001 C-1	* L2322 D-4
* C2354 D-3	C4105 C-3	* C4509 C-1	* C6006 A-1	F1002 C-1	* L2323 D-4
* C2356 D-4	C4106 C-3	* C4510 D-1	* C6007 A-1		L3201 A-4
* C2357 D-4	C4107 D-3	* C4511 D-1	* C6008 A-1	FB1001 A-5	L3801 C-1
* C2358 C-3	C4108 D-3	* C4518 C-2	* C6011 A-2	FB1002 A-6	L3901 B-2
C2360 D-4	* C4202 A-3	* C4520 D-1	* C6012 A-2	FB1003 A-5	* L4001 B-2
C3201 A-5	* C4203 B-3	* C4527 D-2	* C6013 A-2	FB1004 A-6	* L4002 C-3
C3202 A-3	* C4205 C-3	* C4535 D-1	* C6014 A-1	FB1005 A-6	* L4003 C-3
C3203 A-4	* C4206 C-3	* C4540 D-1	* C6015 A-1	FB1006 A-6	L4101 D-3
C3204 A-4	* C4208 B-3	* C4541 D-1	* C6016 A-1	FB3202 B-3	* L4202 A-3
C3205 A-4	* C4209 B-4	* C4542 C-1	* C6017 A-2	FB3203 A-5	* L4205 A-3
C3206 A-3	* C4210 B-3	* C4543 D-1	* C6018 A-1	FB3204 B-3	* L4207 B-3
C3209 A-4	* C4212 B-3	C4701 B-2	* C6019 A-2	FB3205 A-5	* L4301 B-4
C3211 B-4	* C4215 B-3	C4702 C-3	* C6020 A-2	FB3801 C-2	* L4302 B-4
C3213 A-3	* C4216 A-3	C4704 C-3	* C6021 A-2	FB3901 B-3	* L4401 D-1
C3214 B-3	* C4218 B-3	C4705 C-3	* C6022 A-2	FB3902 B-2	* L4402 D-1
C3215 A-4	* C4220 B-4	C4706 C-3	* C6023 A-2	* FB4001 B-1	* L4403 D-1
C3217 A-5	* C4221 B-4	C4707 C-3	* C6024 A-2	* FB4002 B-1	* L4404 E-2
C3218 A-3	* C4222 C-3	C4712 C-3	* C6025 A-2	* FB4005 B-1	* L4405 E-3
C3219 A-3	* C4301 B-4	C4715 C-3	* C6026 A-2	FB4101 D-3	* L4406 E-3
C3220 A-3	* C4302 B-4	C4717 C-3	* C6027 A-2	* FB4201 C-3	* L4501 D-2
C3221 B-3	* C4303 B-4	C4719 C-3	* C6028 A-2	* FB4401 D-3	L4701 B-2

4-3. PRINTED WIRING BOARDS

no mark : side A

* mark : side B

L6001	A-2	* R2333	C-3	* R4312	A-4	R5301	C-5
L7001	A-5	* R2334	D-4	* R4313	A-4	R5302	C-5
L7002	A-6	* R2336	D-3	* R4314	A-4	R5303	C-5
L7003	B-2	* R2339	C-3	* R4401	E-1	R5304	D-5
		* R2342	D-4	* R4402	D-2	R5305	C-4
LF2001	D-6	* R2343	C-3	* R4403	D-2	R5306	C-4
LF4101	D-3	* R2344	C-3	* R4404	E-1	R5307	C-4
LF4102	D-3	* R2345	D-5	* R4405	D-3	R5308	C-4
		* R2346	D-4	* R4406	D-3	R5311	D-5
* Q1001	E-1	* R2347	D-4	* R4407	D-3	R5313	D-5
* Q2001	D-6	* R2348	D-4	* R4409	D-2	R5314	C-4
* Q2002	D-6	R2350	D-3	* R4414	E-2	R5315	C-4
* Q2003	D-6	R2351	D-4	* R4423	D-3	R5316	C-4
* Q2004	E-6	R2353	D-3	* R4424	D-3	R5317	C-4
* Q2005	E-6	R2354	D-3	* R4425	D-3	R5318	C-4
* Q2006	C-6	R2360	E-3	* R4427	D-3	R5319	C-4
* Q2007	D-6	R2361	E-4	* R4436	D-2	R5325	C-4
* Q2301	D-5	R2363	E-3	* R4437	D-2	R5330	B-5
* Q2302	D-5	R3201	A-3	* R4438	E-3	R5331	B-5
* Q2303	D-6	R3205	A-4	* R4439	E-2	R6001	A-2
* Q2304	D-5	R3206	A-4	* R4440	E-2	R6002	A-2
* Q2305	D-4	R3210	A-4	* R4441	E-2	R6003	A-2
* Q2306	D-4	R3212	A-3	* R4501	C-1	* R6008	A-2
* Q2307	D-5	R3213	A-3	* R4502	D-1	* R6009	A-1
* Q2308	E-5	R3219	A-3	* R4503	C-1	* R6010	A-2
* Q2309	E-5	R3220	A-3	* R4504	D-1	* R6011	A-2
* Q2310	D-4	R3223	A-3	* R4505	D-1	* R6012	A-2
* Q2311	D-4	R3804	B-1	* R4506	D-1	R6020	A-2
* Q2312	D-4	R3811	B-1	* R4508	D-1	* R6021	A-2
* Q2313	C-3	R3812	B-1	* R4509	C-1	* R6023	A-2
* Q2314	C-3	R3815	B-1	* R4518	D-2	* R6024	A-2
* Q2315	D-4	R3816	A-1	* R4519	C-2	R6025	A-2
* Q2316	D-4	R3828	B-1	* R4524	D-2	R6026	A-2
Q2317	D-4	R3829	C-2	* R4525	C-2	R6027	A-2
Q2318	D-4	R3830	B-2	* R4528	D-2	R7001	A-5
Q3801	B-1	R3831	B-2	R4701	C-3	R7002	B-5
* Q4005	B-1	R3832	B-1	R4706	C-2	R7006	B-5
* Q4401	D-2	R3833	B-2	R4707	C-3	R7007	B-5
* Q4402	D-3	R3834	C-2	R4708	C-2	R7012	A-6
* Q4403	D-3	R3835	B-2	R4709	C-3	R7016	B-6
Q4701	B-2	R3836	B-2	R4710	C-3	R7017	B-6
Q5001	B-4	R3837	C-2	R4711	B-3	R7018	B-6
Q5002	C-4	R3838	B-2	R4712	B-3	R7019	B-6
* Q5101	A-5	R3839	B-2	R5002	B-5		
* Q5103	C-6	R3840	B-2	R5003	B-5	RB1001	C-6
* Q5104	C-5	R3841	B-2	R5004	B-5	* RB4001	B-1
* Q5105	A-5	R3842	C-2	R5005	B-5	RB4101	C-3
* Q5106	A-5	R3843	B-2	R5006	B-5	* RB4401	D-2
* Q5107	A-5	R3844	C-2	R5007	B-5	* RB4402	D-2
* Q5108	A-5	R3846	B-1	R5008	B-5	RB4701	C-2
Q6002	A-2	R3902	B-2	R5011	A-4	RB5001	A-5
Q6003	A-2	R3906	B-2	R5014	B-4	RB5002	B-4
Q7003	B-6	R3907	B-2	R5016	B-4	RB5003	B-4
		* R4003	A-2	R5017	B-4	RB5004	B-5
R1007	A-6	* R4004	C-2	R5021	A-4	RB5005	B-4
R1008	A-6	* R4005	A-2	R5022	B-4	* RB5102	C-6
* R1014	A-5	* R4006	A-2	R5023	B-4	* RB5103	B-6
* R1017	B-6	* R4007	A-2	R5024	B-4	* RB5104	A-6
* R1018	A-6	* R4008	A-2	* R5101	B-6	* RB5106	B-6
* R1019	E-1	* R4009	A-2	* R5104	C-6	* RB5107	A-6
* R1020	E-1	* R4010	B-2	* R5106	C-5	* RB5108	C-5
* R1022	E-1	* R4011	B-2	* R5108	C-5	RB5303	B-5
R1024	C-1	* R4013	A-2	* R5113	B-6	RB5305	C-4
R1025	C-1	* R4014	B-2	* R5114	B-6	RB5306	C-4
R1026	C-1	* R4015	B-2	* R5116	C-5	RB5307	B-5
R2001	C-6	* R4016	C-3	* R5117	A-5	* RB6001	A-1
* R2002	D-6	* R4018	A-2	* R5118	B-6	RB7001	B-6
* R2003	E-6	* R4024	C-2	* R5122	A-5		
* R2004	D-6	* R4025	B-2	* R5127	A-5	X3201	B-4
* R2005	D-6	* R4028	B-1	* R5128	B-6	X5001	C-4
* R2006	D-6	* R4036	B-2	* R5129	A-5	X5002	B-4
* R2007	D-6	* R4037	B-2	* R5130	A-5	X5301	C-6
* R2008	C-6	R4102	D-3	* R5131	A-5		
* R2009	C-6	R4103	D-3	* R5137	A-6		
* R2302	C-5	R4104	C-3	* R5140	C-5		
* R2303	C-5	* R4202	C-3	* R5141	A-5		
* R2304	D-5	* R4207	A-3	* R5142	A-6		
* R2305	C-5	* R4301	B-4	* R5143	A-6		
* R2306	D-5	* R4302	B-4	* R5144	A-6		
* R2307	D-5	* R4305	B-5	* R5145	A-6		
* R2308	D-5	* R4306	B-4	* R5146	A-5		
* R2309	D-5	* R4307	B-5	* R5147	A-6		
* R2310	D-5	* R4308	A-5	* R5148	A-6		
* R2311	D-5	* R4309	A-5	* R5149	A-6		
* R2319	C-6	* R4310	A-5	* R5150	A-6		
* R2332	C-4	* R4311	A-4	* R5201	B-5		

5. REPAIR PARTS LIST

(ENGLISH)

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: μ F
- COILS
 - uH: μ H
- 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..., μ A..., uPA..., μ PA...,
 - uPB..., μ PB..., uPC..., μ PC...,
 - uPD..., μ PD...

(JAPANESE)

【使用上の注意】

- ここに記載されている部品は、補修用部品であるため、回路図及びセットに付いている部品と異なる場合があります。
- -XX, -Xは標準化部品のため、セットに付いている部品と異なる場合があります。
- *印の部品は常備在庫しておりません。
- コンデンサの単位でuFは μ Fを示します。
- 抵抗の単位 Ω は省略してあります。
 - 金 被：金属被膜抵抗。
 - サンキン：酸化金属被膜抵抗。
- インダクタの単位でuHは μ Hを示します。
- 半導体の名称でuA..., uPA..., uPB..., uPC..., uPD...等はそれぞれ μ A..., μ PA..., μ PB..., μ PC..., μ PD...を示します。

(ENGLISH)

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

(JAPANESE)

お願い

図面番号で部品を指定するときは基板名又はブロックを併せて指定して下さい。

(ENGLISH)

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

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

(JAPANESE)

\triangle 印の部品、または \triangle 印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用して下さい。

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description					Ref. No.	Part No.	Description				
	A-1101-191-A	VC-378 BOARD, COMPLETE (SERVICE) (HC39E)					C2335	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	
							C2336	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	
	A-1101-199-A	VC-378 BOARD, COMPLETE (SERVICE) (HC41/HC42/HC43)					C2337	1-104-847-11	TANTAL. CHIP	22uF	20%	4V	
	A-1101-200-A	VC-378 BOARD, COMPLETE (SERVICE) (HC42E/HC43E)					C2338	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	
		*****					C2339	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
							C2340	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	
							C2341	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	
		< CAPACITOR >											
C1001	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2342	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	
C1002	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2344	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	
C1004	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2345	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	
C1006	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2346	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V	
C1007	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2347	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	
C2001	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2348	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V	
C2002	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2349	1-104-847-11	TANTAL. CHIP	22uF	20%	4V	
C2003	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2350	1-127-895-91	TANTAL. CHIP	22uF	20%	4V	
C2004	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2351	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	
C2005	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V		C2352	1-125-889-91	CERAMIC CHIP	2.2uF	10%	10V	
C2006	1-165-875-11	CERAMIC CHIP	10uF	10%	10V		C2354	1-127-895-91	TANTAL. CHIP	22uF	20%	4V	
C2007	1-165-875-11	CERAMIC CHIP	10uF	10%	10V		C2356	1-125-889-91	CERAMIC CHIP	2.2uF	10%	10V	
C2008	1-165-875-11	CERAMIC CHIP	10uF	10%	10V		C2357	1-127-895-91	TANTAL. CHIP	22uF	20%	4V	
C2009	1-109-982-11	CERAMIC CHIP	1uF	10%	10V		C2358	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V	
C2301	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C2360	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	
C2302	1-164-936-11	CERAMIC CHIP	680PF	10%	50V		C3201	1-104-851-11	TANTAL. CHIP	10uF	20%	10V	
C2303	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V		C3202	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	
C2304	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V		C3203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2305	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V		C3204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2306	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V		C3205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2307	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C3206	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	
C2308	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V		C3209	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2309	1-164-882-11	CERAMIC CHIP	220PF	5%	16V		C3211	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V	
C2310	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V		C3213	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C2311	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C3214	1-127-895-91	TANTAL. CHIP	22uF	20%	4V	
C2312	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C3215	1-127-895-91	TANTAL. CHIP	22uF	20%	4V	
C2313	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V		C3217	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V	
C2314	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C3218	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	
C2315	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C3219	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	
C2316	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C3220	1-100-786-91	TANTAL. CHIP	22uF	20%	6.3V	
C2317	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C3221	1-100-786-91	TANTAL. CHIP	22uF	20%	6.3V	
C2318	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V		C3222	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2319	1-165-908-11	CERAMIC CHIP	1uF	10%	10V		C3223	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2320	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V		C3225	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	
C2321	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V		C3227	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	
C2322	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V		C3228	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C2323	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V		C3229	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	
C2324	1-125-827-91	CERAMIC CHIP	1uF	10%	25V		C3807	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	
C2325	1-127-861-11	CERAMIC CHIP	2.2uF	10%	16V		C3808	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2326	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V		C3811	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V	
C2327	1-107-682-11	CERAMIC CHIP	1uF	10%	16V		C3812	1-164-866-11	CERAMIC CHIP	47PF	5%	50V	
C2328	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V		C3813	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	
C2329	1-107-682-11	CERAMIC CHIP	1uF	10%	16V		C3814	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2330	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V		C3815	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2331	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V		C3816	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2332	1-127-861-11	CERAMIC CHIP	2.2uF	10%	16V		C3817	1-137-934-91	TANTAL. CHIP	47uF	20%	10V	
C2333	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V		C3819	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C2334	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V		C3820	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
							C3821	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	

VC-378

Ref. No.	Part No.	Description			
C3824	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3825	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C3901	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3902	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3903	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C3904	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3905	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3906	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3907	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3908	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3909	1-110-569-21	TANTAL. CHIP	0PF		0V
C3910	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3911	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3913	1-110-569-21	TANTAL. CHIP	0PF		0V
C3914	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4001	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4002	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4003	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4005	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4006	1-127-895-91	TANTAL. CHIP	22uF	20%	4V
C4007	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4008	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4009	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4010	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (EXCEPT HC39E)
C4011	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (EXCEPT HC39E)
C4013	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (EXCEPT HC39E)
C4014	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V (EXCEPT HC39E)
C4015	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4016	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4017	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4018	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4019	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4022	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4023	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4024	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4025	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4027	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4030	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4033	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4035	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4036	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4038	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4101	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4102	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4103	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C4104	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4105	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4106	1-164-882-11	CERAMIC CHIP	220PF	5%	16V
C4107	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4108	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C4202	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			
C4205	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4206	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4208	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4209	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4210	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4212	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4215	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4216	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4218	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4220	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4221	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4222	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4301	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4302	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4303	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4304	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4305	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4306	1-100-249-11	CERAMIC CHIP	0.01uF	10%	16V
C4307	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C4308	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4309	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4310	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4311	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4312	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4313	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4401	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4404	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4405	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4406	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4407	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4408	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C4409	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C4410	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C4411	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V (HC41/HC42/HC43)
C4412	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4413	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4414	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4415	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4416	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4417	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C4418	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4419	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4420	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4421	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4422	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V (EXCEPT HC39E)
C4423	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C4424	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4425	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V (EXCEPT HC39E)
C4426	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C4427	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4428	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C4429	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V (EXCEPT HC39E)
C4430	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C4432	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V (EXCEPT HC39E)	C5001	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4433	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V (EXCEPT HC39E)	C5002	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4437	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5003	1-127-895-91	TANTAL. CHIP 22uF 20% 4V
C4438	1-107-726-91	CERAMIC CHIP 0.01uF 10% 16V	C5004	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4439	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5005	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4441	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5006	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4442	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5007	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4444	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5008	1-164-856-81	CERAMIC CHIP 18PF 5% 50V
C4445	1-127-573-11	CERAMIC CHIP 1uF 10% 16V	C5009	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4448	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5010	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4449	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5011	1-164-856-81	CERAMIC CHIP 18PF 5% 50V
C4450	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5012	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4451	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5013	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4452	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5101	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4453	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5102	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4454	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5103	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4456	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V (EXCEPT HC39E)	C5104	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4457	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V (EXCEPT HC39E)	C5106	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4458	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5107	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4501	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V	C5108	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4502	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V	C5109	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4503	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V	C5110	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4504	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V	C5114	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4505	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5115	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4506	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5117	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C4507	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	C5118	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4508	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5119	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4509	1-164-941-11	CERAMIC CHIP 0.0047uF 10% 16V	C5122	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4510	1-164-941-11	CERAMIC CHIP 0.0047uF 10% 16V	C5125	1-164-874-11	CERAMIC CHIP 100PF 5% 50V
C4511	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V	C5126	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4518	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5127	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4520	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5133	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C4527	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V	C5134	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C4535	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5135	1-127-895-91	TANTAL. CHIP 22uF 20% 4V
C4540	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5136	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V
C4541	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5201	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4542	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5202	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4543	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5203	1-127-895-91	TANTAL. CHIP 22uF 20% 4V
C4701	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5204	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4702	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5206	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V
C4704	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5303	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C4705	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5304	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C4706	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5305	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4707	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5306	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4712	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5307	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4715	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5308	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4717	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5309	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4719	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	C5310	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C4720	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5311	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V
C4721	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5312	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V
C4722	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5316	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4723	1-127-760-11	CERAMIC CHIP 4.7uF 10% 6.3V	C5317	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4727	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C5319	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4729	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5321	1-164-943-11	CERAMIC CHIP 0.01uF 10% 16V
C4730	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V	C6001	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
			C6002	1-100-246-11	CERAMIC CHIP 0.001uF 10% 50V
			C6003	1-100-249-11	CERAMIC CHIP 0.01uF 10% 16V

Ref. No.	Part No.	Description			
C6004	1-100-251-11	CERAMIC CHIP	0.047uF	10%	10V
C6006	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C6007	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C6008	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C6011	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6013	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C6014	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6015	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6016	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6017	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C6018	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6019	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C6020	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C6021	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C6022	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6023	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C6024	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6025	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6026	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C6027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6028	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C6029	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C6030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6031	1-164-942-11	CERAMIC CHIP	0.0068uF	10%	16V
C6032	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C6033	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C6034	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C7001	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C7003	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C7005	1-164-739-11	CERAMIC CHIP	560PF	5%	50V
C7006	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
		(EXCEPT HC39E)			
C7007	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
		(EXCEPT HC39E)			
C7008	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C7010	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C7012	1-115-566-11	CERAMIC CHIP	4.7uF	10%	10V
C7014	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C7015	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C7022	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
< CONNECTOR >					
CN1001	1-816-645-31	FFC/FPC CONNECTOR (LIF) 14P			
CN1002	1-766-644-21	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 8P			
CN1003	1-817-283-41	CONNECTOR, FPC (ZIF) 51P			
CN1004	1-817-550-11	CONNECTOR, FPC (LIF (NON-ZIF)) 18P			
CN1005	1-784-420-11	CONNECTOR, FFC/FPC (ZIF) 21P			
CN1006	1-816-650-31	FFC/FPC CONNECTOR (LIF) 24P			
CN1007	1-766-644-21	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 8P			
CN1008	1-817-910-41	CONNECTOR, FPC (ZIF) 45P			
CN2001	1-766-360-21	CONNECTOR, FFC/FPC 30P			
CN3201	1-784-423-21	CONNECTOR, FFC/FPC (ZIF) 39P			
CN3801	1-817-543-31	CONNECTOR, FPC (ZIF) 27P			
CN4301	1-817-705-11	CONNECTOR, FPC (LIF (NON-ZIF)) 10P			
CN6001	1-817-705-11	CONNECTOR, FPC (LIF (NON-ZIF)) 10P			
CN6002	1-784-421-11	CONNECTOR, FFC/FPC (ZIF) 27P			
CN6003	1-784-421-11	CONNECTOR, FFC/FPC (ZIF) 27P			

Ref. No.	Part No.	Description
CN7001	1-816-595-31	CONNECTOR, FPC (ZIF) 23P
< DIODE >		
D1005	6-500-044-01	DIODE DF6A6.8FU (TE85R)
D1006	6-500-044-01	DIODE DF6A6.8FU (TE85R)
D1007	6-500-044-01	DIODE DF6A6.8FU (TE85R)
D1008	8-719-056-54	DIODE MAZS068008SO
D1011	8-719-056-59	DIODE MAZS120008SO
D1012	8-719-078-02	DIODE 1SS357 (T3SONY1)
D1013	6-500-776-01	DIODE MAZW068H0LS0
D1014	6-500-044-01	DIODE DF6A6.8FU (TE85R)
D1015	6-500-044-01	DIODE DF6A6.8FU (TE85R)
D1016	6-500-750-01	DIODE NSAD500H-T1-A
D2001	8-719-056-59	DIODE MAZS120008SO
D2002	8-719-056-54	DIODE MAZS068008SO
D2003	8-719-074-08	DIODE MA4ZD03001SO
D2004	6-500-314-01	DIODE DAN222MT2L
D2005	8-719-069-28	DIODE 1SS400TE-61
D2006	8-719-991-00	DIODE DAP222
D2301	6-500-314-01	DIODE DAN222MT2L
D2302	8-719-027-76	DIODE 1SS357-TPH3
D2303	8-719-085-53	DIODE MA2SD10008SO
D2304	8-719-074-08	DIODE MA4ZD03001SO
D2305	6-500-168-01	DIODE MA4SD1000LS0
D5001	8-719-988-61	DIODE 1SS355TE-17
D5102	6-500-776-01	DIODE MAZW068H0LS0
< FUSE >		
△ F001	1-576-406-21	FUSE (1.4A/32V)
△ F002	1-576-406-21	FUSE (1.4A/32V)
△ F003	1-576-406-21	FUSE (1.4A/32V)
△ F004	1-576-406-21	FUSE (1.4A/32V)
△ F005	1-576-406-21	FUSE (1.4A/32V)
△ F1001	1-576-647-11	FUSE (0.2A/50V)
△ F1002	1-576-647-11	FUSE (0.2A/50V)
< FERRITE BEAD >		
FB1001	1-400-823-11	EMI FERRITE (SMD) (1005)
FB1002	1-400-823-11	EMI FERRITE (SMD) (1005)
FB1003	1-400-823-11	EMI FERRITE (SMD) (1005)
FB1004	1-400-823-11	EMI FERRITE (SMD) (1005)
FB1005	1-400-823-11	EMI FERRITE (SMD) (1005)
FB1006	1-469-324-21	FERRITE, EMI (SMD) (2012)
FB3202	1-414-760-21	FERRITE, EMI (SMD) (1608)
FB3203	1-400-461-21	FERRITE, EMI (SMD) (1005)
FB3204	1-400-461-21	FERRITE, EMI (SMD) (1005)
FB3205	1-400-461-21	FERRITE, EMI (SMD) (1005)
FB3801	1-400-461-21	FERRITE, EMI (SMD) (1005)
FB3901	1-414-760-21	BEAD, FERRITE (CHIP) (1608)
FB3902	1-400-461-21	FERRITE, EMI (SMD) (1005)
FB4001	1-400-461-21	FERRITE, EMI (SMD) (1005)
FB4002	1-400-461-21	FERRITE, EMI (SMD) (1005)

△印の部品、または△印付きの点線で囲まれた部品は、安全性を維持するために重要な部品です。従って交換時は、必ず指定の部品を使用して下さい。

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

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

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
FB4005	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2308	1-456-137-11	INDUCTOR 22uH
FB4101	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2309	1-469-524-91	INDUCTOR 4.7uH
FB4201	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2310	1-469-524-91	INDUCTOR 4.7uH
FB4401	1-400-461-21	FERRITE, EMI (SMD) (1005)			
FB4402	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2311	1-469-524-91	INDUCTOR 4.7uH
			L2313	1-469-524-91	INDUCTOR 4.7uH
FB4403	1-414-760-21	BEAD, FERRITE (CHIP) (1608)	L2314	1-469-524-91	INDUCTOR 4.7uH
FB4701	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2315	1-412-056-11	INDUCTOR 4.7uH
FB4702	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2316	1-469-525-91	INDUCTOR 10uH
FB5101	1-500-284-21	INDUCTOR, FERRITE BEAD			
FB5102	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2317	1-469-526-91	INDUCTOR 22uH
			L2318	1-469-524-91	INDUCTOR 4.7uH
FB5103	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2319	1-469-524-91	INDUCTOR 4.7uH
FB5105	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2320	1-469-524-91	INDUCTOR 4.7uH
FB5106	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2321	1-469-524-91	INDUCTOR 4.7uH
FB5201	1-400-461-21	FERRITE, EMI (SMD) (1005)			
FB5203	1-400-461-21	FERRITE, EMI (SMD) (1005)	L2322	1-469-524-91	INDUCTOR 4.7uH
			L2323	1-412-056-11	INDUCTOR 4.7uH
FB5301	1-400-461-21	FERRITE, EMI (SMD) (1005)	L3201	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
FB6001	1-400-461-21	FERRITE, EMI (SMD) (1005)	L3801	1-414-771-91	INDUCTOR 10uH
FB7001	1-400-461-21	FERRITE, EMI (SMD) (1005)	L3901	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
< IC >					
IC1001	6-706-716-01	IC NJM2867F29 (TE2)	L4001	1-400-353-21	INDUCTOR 22uH
IC2301	6-707-649-01	IC MB44A125ALGL-G-ERE1	L4002	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC2302	8-759-581-11	IC NJM2125F (TE2)	L4003	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC3201	6-707-506-01	IC AD80090BBCZRL	L4101	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC3202	6-706-719-01	IC NJM2867F34 (TE2)	L4202	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC3203	6-706-967-01	IC TK70531SCL-G	L4205	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC3803	6-705-568-01	IC BU2342GLU-E2	L4207	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC3804	6-706-717-01	IC NJM2867F28 (TE2)	L4301	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC3901	6-705-967-01	IC MB87Q1041LGA-G-ER	L4302	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC4001	6-707-507-01	IC 32R5659	L4401	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC4002	6-707-902-01	IC W9864G6EB-7-ER20	L4402	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC4101	6-707-247-01	IC SN0306037ZVWR	L4403	1-400-137-11	INDUCTOR 10uH
IC4201	6-704-695-01	IC uPD15002AFC-DN2-E2-A	L4404	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC4301	8-752-106-95	IC CXA3619R-T4	L4405	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC4401	6-707-435-01	IC AN12921A-VB	L4406	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC4402	6-707-570-01	IC AK4554VT-E2	L4501	1-469-528-91	INDUCTOR 100uH
IC4501	6-707-725-01	IC BH7875GLU-E2	L4701	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC4701	6-707-497-01	IC MB87S1150BGT-G-ERE1	L6001	1-400-202-21	INDUCTOR 4.7uH
IC5001	6-805-372-01	IC MB89097LGA-G-191-ER	L7001	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC5101	6-702-356-01	IC AK6512CL-L	L7002	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC5102	8-753-235-21	IC CXD3175BGG-T6	L7003	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH
IC5201	6-702-074-01	IC W9816G6BB-7-ER20 (HC39E)	< LINE FILTER >		
IC5201	6-707-634-01	IC W9816G6CB-7-ER20 (EXCEPT HC39E)	LF2001	1-456-681-21	COIL, CHOKE
IC5202	(Not supplied)	IC S99-50031-30-ER	LF4101	1-400-633-21	COMMON MODE CHOKE COIL
IC5301	6-805-035-01	IC MB91195LGL-G-118-ERE1	LF4102	1-400-633-21	COMMON MODE CHOKE COIL
IC5302	6-705-122-01	IC BR25C320FV-WE2	< TRANSISTOR >		
IC6001	6-707-428-01	IC BD6639AGLV-E2	Q1001	6-550-102-01	TRANSISTOR 2SC5663T2L
IC7001	8-753-220-77	IC CXM3007AR-T4	Q2001	6-550-237-01	TRANSISTOR 2SC5658T2LQ/R
IC7002	8-759-581-11	IC NJM2125F (TE2)	Q2002	6-550-404-01	TRANSISTOR UPA1858GR-9JG-E2-A
< COIL >			Q2003	8-729-101-07	TRANSISTOR 2SB798-DL
L2301	1-456-138-11	INDUCTOR 33uH	Q2004	6-550-094-01	TRANSISTOR EMH2-T2R
L2302	1-456-138-11	INDUCTOR 33uH			
L2303	1-400-588-11	INDUCTOR, LAMINATE CHIP 10uH	Q2005	6-550-809-01	TRANSISTOR EMB2T2R
L2304	1-456-138-11	INDUCTOR 33uH	Q2006	6-551-184-01	TRANSISTOR MCH6305-TL-E
L2305	1-456-137-11	INDUCTOR 22uH	Q2007	6-550-234-01	TRANSISTOR UNR32A300LS0
			Q2301	6-550-675-01	TRANSISTOR SSM6K30FE (TPLR3)
L2306	1-456-137-11	INDUCTOR 22uH	Q2302	6-550-675-01	TRANSISTOR SSM6K30FE (TPLR3)
L2307	1-456-137-11	INDUCTOR 22uH	Q2303	6-550-813-01	TRANSISTOR SCH2806-TL-E

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Ref. No.	Part No.	Description	
Q2304	6-550-813-01	TRANSISTOR	SCH2806-TL-E
Q2305	6-550-814-01	TRANSISTOR	SCH2807-TL-E
Q2306	6-550-814-01	TRANSISTOR	SCH2807-TL-E
Q2307	6-550-533-01	TRANSISTOR	MCH5819-TL-E
Q2308	6-550-713-01	TRANSISTOR	SCH2816-TL-E
Q2309	6-550-713-01	TRANSISTOR	SCH2816-TL-E
Q2310	6-550-232-01	TRANSISTOR	2SA2029T2LQ/R
Q2311	6-550-232-01	TRANSISTOR	2SA2029T2LQ/R
Q2312	6-550-237-01	TRANSISTOR	2SC5658T2LQ/R
Q2313	8-729-056-01	TRANSISTOR	MCH3405-TL-E
Q2314	8-729-053-52	TRANSISTOR	HN1C01FE-Y/GR (TPLR3)
Q2315	6-550-237-01	TRANSISTOR	2SC5658T2LQ/R
Q2316	8-729-053-54	TRANSISTOR	HN1A01FE-Y/GR (TPLR3)
Q2317	8-729-216-22	TRANSISTOR	2SA1162-G
Q2318	8-729-053-52	TRANSISTOR	HN1C01FE-Y/GR (TPLR3)
Q3801	8-729-053-29	TRANSISTOR	DTA143TMT2L
Q4005	6-550-239-01	TRANSISTOR	DTA144EMT2L
Q4401	8-729-921-51	TRANSISTOR	2SD1834-T100
Q4402	8-729-053-52	TRANSISTOR	HN1C01FE-Y/GR (TPLR3)
Q4403	8-729-054-48	TRANSISTOR	UP04601008S0 (EXCEPT HC39E)
Q4701	6-550-383-01	TRANSISTOR	HN4A71FK (TE85R)
Q5001	6-550-234-01	TRANSISTOR	UNR32A300LS0
Q5002	8-729-041-43	TRANSISTOR	HN1L02FU (TE85R)
Q5101	6-550-234-01	TRANSISTOR	UNR32A300LS0
Q5103	6-550-234-01	TRANSISTOR	UNR32A300LS0
Q5104	6-550-237-01	TRANSISTOR	2SC5658T2LQ/R
Q5105	6-550-174-01	TRANSISTOR	2SA2030T2L
Q5106	8-729-053-54	TRANSISTOR	HN1A01FE-Y/GR (TPLR3)
Q5107	6-550-239-01	TRANSISTOR	DTA144EMT2L
Q5108	8-729-053-29	TRANSISTOR	DTA143TMT2L
Q6002	6-550-174-01	TRANSISTOR	2SA2030T2L
Q6003	6-550-237-01	TRANSISTOR	2SC5658T2LQ/R
Q7003	8-729-054-48	TRANSISTOR	UP04601008S0
< RESISTOR >			
R1007	1-218-990-11	SHORT CHIP	0
R1008	1-218-990-11	SHORT CHIP	0
R1014	1-216-817-11	METAL CHIP	470 5% 1/10W
R1017	1-218-943-11	RES-CHIP	150 5% 1/16W
R1018	1-218-953-11	RES-CHIP	1K 5% 1/16W
R1019	1-216-801-11	METAL CHIP	22 5% 1/10W
R1020	1-216-801-11	METAL CHIP	22 5% 1/10W
R1022	1-218-959-11	RES-CHIP	3.3K 5% 1/16W
R1024	1-218-953-11	RES-CHIP	1K 5% 1/16W
R1025	1-218-965-11	RES-CHIP	10K 5% 1/16W
R1026	1-218-965-11	RES-CHIP	10K 5% 1/16W
R2001	1-218-953-11	RES-CHIP	1K 5% 1/16W
R2002	1-218-977-11	RES-CHIP	100K 5% 1/16W
R2003	1-218-989-11	RES-CHIP	1M 5% 1/16W
R2004	1-216-797-11	METAL CHIP	10 5% 1/10W
R2005	1-218-954-11	RES-CHIP	1.2K 5% 1/16W
R2006	1-218-963-11	RES-CHIP	6.8K 5% 1/16W
R2007	1-218-965-11	RES-CHIP	10K 5% 1/16W
R2008	1-218-989-11	RES-CHIP	1M 5% 1/16W
R2009	1-218-953-11	RES-CHIP	1K 5% 1/16W
R2302	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R2303	1-218-941-81	RES-CHIP	100 5% 1/16W

Ref. No.	Part No.	Description			
R2304	1-220-182-11	RES-CHIP	910	5%	1/16W
R2305	1-208-929-11	METAL CHIP	56K	0.5%	1/16W
R2306	1-218-972-11	RES-CHIP	39K	5%	1/16W
R2307	1-218-975-11	RES-CHIP	68K	5%	1/16W
R2308	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R2309	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R2310	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2311	1-218-972-11	RES-CHIP	39K	5%	1/16W
R2319	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R2332	1-218-966-11	RES-CHIP	12K	5%	1/16W
R2333	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2334	1-218-990-11	SHORT CHIP	0		
R2336	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R2339	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R2342	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2343	1-218-970-11	RES-CHIP	27K	5%	1/16W
R2344	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R2345	1-218-969-11	RES-CHIP	22K	5%	1/16W
R2346	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R2347	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R2348	1-208-943-11	METAL CHIP	220K	0.5%	1/16W
R2350	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2351	1-218-951-11	RES-CHIP	680	5%	1/16W
R2353	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R2354	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R2360	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2361	1-208-711-11	METAL CHIP	15K	0.5%	1/16W
R2363	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3201	1-218-990-11	SHORT CHIP	0		
R3205	1-218-990-11	SHORT CHIP	0		
R3206	1-218-990-11	SHORT CHIP	0		
R3210	1-218-937-11	RES-CHIP	47	5%	1/16W
R3212	1-218-990-11	SHORT CHIP	0		
R3213	1-218-990-11	SHORT CHIP	0		
R3219	1-218-934-11	RES-CHIP	27	5%	1/16W
R3220	1-218-934-11	RES-CHIP	27	5%	1/16W
R3223	1-218-990-11	SHORT CHIP	0		
R3804	1-218-975-11	RES-CHIP	68K	5%	1/16W
R3811	1-216-864-11	SHORT CHIP	0		
R3812	1-216-864-11	SHORT CHIP	0		
R3815	1-216-864-11	SHORT CHIP	0		
R3816	1-216-864-11	SHORT CHIP	0		
R3828	1-218-990-11	SHORT CHIP	0		
R3829	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R3830	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R3831	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
R3832	1-218-990-11	SHORT CHIP	0		
R3833	1-218-958-11	RES-CHIP	2.7K	5%	1/16W
R3834	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R3835	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R3836	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R3837	1-208-941-11	METAL CHIP	180K	0.5%	1/16W
R3838	1-208-679-11	METAL CHIP	680	0.5%	1/16W
R3839	1-208-943-11	METAL CHIP	220K	0.5%	1/16W
R3840	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3841	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R3842	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R3843	1-218-990-11	SHORT CHIP	0		

Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
R3844	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4425	1-218-965-11	RES-CHIP	10K	5%	1/16W
R3846	1-218-977-11	RES-CHIP	100K	5%	1/16W	R4427	1-218-949-11	RES-CHIP	470	5%	1/16W
R3902	1-218-953-11	RES-CHIP	1K	5%	1/16W						(EXCEPT HC39E)
R3906	1-218-990-11	SHORT CHIP	0 (HC41/HC42/HC43)			R4427	1-218-990-11	SHORT CHIP	0 (HC39E)	5%	1/16W
R3907	1-218-990-11	SHORT CHIP	0 (HC39E/HC42E/HC43E)								(EXCEPT HC39E)
R4003	1-218-969-11	RES-CHIP	22K	5%	1/16W	R4436	1-218-953-11	RES-CHIP	1K	5%	1/16W
					(EXCEPT HC39E)	R4437	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4004	1-218-990-11	SHORT CHIP	0								(EXCEPT HC39E)
R4005	1-218-950-11	RES-CHIP	560	5%	1/16W	R4438	1-218-973-11	RES-CHIP	47K	5%	1/16W
R4006	1-218-950-11	RES-CHIP	560	5%	1/16W	R4439	1-218-973-11	RES-CHIP	47K	5%	1/16W
R4007	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W	R4440	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4008	1-218-950-11	RES-CHIP	560	5%	1/16W	R4441	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4009	1-218-945-11	RES-CHIP	220	5%	1/16W	R4501	1-218-967-11	RES-CHIP	15K	5%	1/16W
R4010	1-218-945-11	RES-CHIP	220	5%	1/16W	R4502	1-218-967-11	RES-CHIP	15K	5%	1/16W
R4011	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W	R4503	1-218-970-11	RES-CHIP	27K	5%	1/16W
R4013	1-218-944-11	RES-CHIP	180	5%	1/16W	R4504	1-218-970-11	RES-CHIP	27K	5%	1/16W
R4014	1-218-962-11	RES-CHIP	5.6K	5%	1/16W	R4505	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R4015	1-218-969-11	RES-CHIP	22K	5%	1/16W	R4506	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4016	1-218-990-11	SHORT CHIP	0			R4508	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R4018	1-218-952-11	RES-CHIP	820	5%	1/16W	R4509	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R4024	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4518	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4025	1-218-973-11	RES-CHIP	47K	5%	1/16W	R4519	1-218-965-11	RES-CHIP	10K	5%	1/16W
R4028	1-218-955-11	RES-CHIP	1.5K	5%	1/16W	R4524	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R4036	1-218-941-81	RES-CHIP	100	5%	1/16W	R4525	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R4037	1-218-945-11	RES-CHIP	220	5%	1/16W	R4528	1-218-981-11	RES-CHIP	220K	5%	1/16W
R4102	1-208-702-11	METAL CHIP	6.2K	0.5%	1/16W	R4701	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R4103	1-208-866-11	METAL CHIP	130	0.5%	1/16W	R4706	1-218-963-11	RES-CHIP	6.8K	5%	1/16W
R4104	1-218-864-11	METAL CHIP	5.1K	0.5%	1/10W	R4707	1-218-947-11	RES-CHIP	330	5%	1/16W
R4202	1-218-953-11	RES-CHIP	1K	5%	1/16W	R4708	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R4207	1-216-864-11	SHORT CHIP	0			R4709	1-218-947-11	RES-CHIP	330	5%	1/16W
R4301	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4710	1-218-945-11	RES-CHIP	220	5%	1/16W
R4302	1-218-969-11	RES-CHIP	22K	5%	1/16W	R4711	1-218-945-11	RES-CHIP	220	5%	1/16W
R4305	1-218-965-11	RES-CHIP	10K	5%	1/16W	R4712	1-218-945-11	RES-CHIP	220	5%	1/16W
R4306	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5002	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4307	1-208-715-11	METAL CHIP	22K	0.5%	1/16W	R5003	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4308	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R5004	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R4309	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R5005	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R4310	1-208-715-11	METAL CHIP	22K	0.5%	1/16W	R5006	1-218-989-11	RES-CHIP	1M	5%	1/16W
R4311	1-218-945-11	RES-CHIP	220	5%	1/16W	R5007	1-218-985-11	RES-CHIP	470K	5%	1/16W
R4312	1-218-945-11	RES-CHIP	220	5%	1/16W	R5008	1-218-973-11	RES-CHIP	47K	5%	1/16W
R4313	1-218-945-11	RES-CHIP	220	5%	1/16W	R5011	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4314	1-218-945-11	RES-CHIP	220	5%	1/16W	R5014	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R4401	1-218-977-11	RES-CHIP	100K	5%	1/16W	R5016	1-219-570-11	METAL CHIP	10M	5%	1/10W
R4402	1-218-961-11	RES-CHIP	4.7K	5%	1/16W	R5017	1-218-990-11	SHORT CHIP	0		
R4403	1-218-973-11	RES-CHIP	47K	5%	1/16W	R5021	1-218-953-11	RES-CHIP	1K	5%	1/16W
R4404	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5022	1-218-989-11	RES-CHIP	1M	5%	1/16W
R4405	1-218-951-11	RES-CHIP	680	5%	1/16W	R5023	1-218-989-11	RES-CHIP	1M	5%	1/16W
R4406	1-218-951-11	RES-CHIP	680	5%	1/16W	R5024	1-218-949-11	RES-CHIP	470	5%	1/16W
R4407	1-218-945-11	RES-CHIP	220	5%	1/16W	R5101	1-218-977-11	RES-CHIP	100K	5%	1/16W
					(EXCEPT HC39E)	R5104	1-218-990-11	SHORT CHIP	0		
R4409	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5106	1-220-880-81	METAL CHIP	27	0.5%	1/16W
					(HC41/HC42/HC43)						
R4414	1-218-977-11	RES-CHIP	100K	5%	1/16W	R5108	1-220-880-81	METAL CHIP	27	0.5%	1/16W
R4423	1-218-949-11	RES-CHIP	470	5%	1/16W	R5113	1-218-990-11	SHORT CHIP	0		
					(EXCEPT HC39E)	R5114	1-218-990-11	SHORT CHIP	0		
R4424	1-218-965-11	RES-CHIP	10K	5%	1/16W	R5116	1-218-985-11	RES-CHIP	470K	5%	1/16W
					(EXCEPT HC39E)	R5117	1-218-977-11	RES-CHIP	100K	5%	1/16W
						R5118	1-218-961-11	RES-CHIP	4.7K	5%	1/16W

VC-378

Ref. No.	Part No.	Description			
R5122	1-218-985-11	RES-CHIP	470K	5%	1/16W
R5127	1-218-941-81	RES-CHIP	100	5%	1/16W
R5128	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5129	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5130	1-218-955-11	RES-CHIP	1.5K	5%	1/16W
R5131	1-218-940-11	RES-CHIP	82	5%	1/16W
R5137	1-218-990-11	SHORT CHIP	0		
R5140	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5141	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R5142	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R5143	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R5144	1-218-955-11	RES-CHIP	1.5K	5%	1/16W
R5145	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R5146	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R5147	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5148	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R5149	1-218-989-11	RES-CHIP	1M	5%	1/16W
R5150	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R5201	1-218-990-11	SHORT CHIP	0		
R5301	1-218-941-81	RES-CHIP	100	5%	1/16W
R5302	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5303	1-218-965-11	RES-CHIP	10K	5%	1/16W
R5304	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5305	1-218-990-11	SHORT CHIP	0 (HC39E)		
R5306	1-218-990-11	SHORT CHIP	0 (EXCEPT HC39E)		
R5307	1-218-990-11	SHORT CHIP	0 (HC41/HC42/HC43)		
R5308	1-218-990-11	SHORT CHIP	0 (HC39E/HC42E/HC43E)		
R5311	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5313	1-218-985-11	RES-CHIP	470K	5%	1/16W
R5314	1-218-953-11	RES-CHIP	1K	5%	1/16W
R5315	1-218-981-11	RES-CHIP	220K	5%	1/16W
R5316	1-218-975-11	RES-CHIP	68K	5%	1/16W
R5317	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5318	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5319	1-218-973-11	RES-CHIP	47K	5%	1/16W
R5325	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5330	1-218-977-11	RES-CHIP	100K	5%	1/16W
R5331	1-218-977-11	RES-CHIP	100K	5%	1/16W
R6001	1-218-935-11	RES-CHIP	33	5%	1/16W
R6002	1-218-935-11	RES-CHIP	33	5%	1/16W
R6003	1-218-953-11	RES-CHIP	1K	5%	1/16W
R6008	1-218-953-11	RES-CHIP	1K	5%	1/16W
R6009	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R6010	1-218-973-11	RES-CHIP	47K	5%	1/16W
R6011	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R6012	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R6020	1-218-946-11	RES-CHIP	270	5%	1/16W
R6021	1-218-967-11	RES-CHIP	15K	5%	1/16W
R6023	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R6024	1-218-965-11	RES-CHIP	10K	5%	1/16W
R6025	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R6026	1-218-969-11	RES-CHIP	22K	5%	1/16W
R6027	1-218-977-11	RES-CHIP	100K	5%	1/16W
R7001	1-218-975-11	RES-CHIP	68K	5%	1/16W
R7002	1-218-949-11	RES-CHIP	470	5%	1/16W
R7006	1-208-934-11	METAL CHIP	91K	0.5%	1/16W
R7007	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R7012	1-218-965-11	RES-CHIP	10K	5%	1/16W

Ref. No.	Part No.	Description			
R7016	1-208-941-11	METAL CHIP	180K	0.5%	1/16W
R7017	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R7018	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R7019	1-211-983-11	METAL CHIP	39	0.5%	1/10W
< COMPOSITION CIRCUIT BLOCK >					
RB1001	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB4001	1-234-400-21	CONDUCTOR, NETWORK	(2010X4)		
RB4101	1-234-714-11	RES, NETWORK	56 (1005X4)		
RB4401	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB4402	1-242-963-21	RES, NETWORK	33 (1005X4)		
RB4701	1-234-377-21	RES, NETWORK	4.7K (1005X4)		
RB5001	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB5002	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB5003	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB5004	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB5005	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB5102	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB5103	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB5104	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB5106	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB5107	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB5108	1-234-375-21	RES, NETWORK	1K (1005X4)		
RB5303	1-234-381-21	RES, NETWORK	100K (1005X4)		
RB5305	1-234-384-11	RES, NETWORK	1M (1005X4)		
RB5306	1-234-377-21	RES, NETWORK	4.7K (1005X4)		
RB5307	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB6001	1-234-378-21	RES, NETWORK	10K (1005X4)		
RB7001	1-234-369-21	RES, NETWORK	10 (1005X4)		
< VIBRATOR >					
X3201	1-795-172-11	OSCILLATOR, CRYSTAL (27 MHz)			
		(HC39E/HC42E/HC43E)			
X3201	1-813-433-21	QUARTZ CRYSTAL OSCILLATOR (33 MHz)			
		(HC41/HC42/HC43)			
X5001	1-760-458-21	VIBRATOR, CRYSTAL (32.768 kHz)			
X5002	1-795-244-11	VIBRATOR, CERAMIC (10 MHz)			
X5301	1-760-655-41	VIBRATOR, CRYSTAL (20 MHz)			

DCR-HC39E/HC41/HC42/HC42E/HC43/HC43E

RMT-831

SONY®

LEVEL 3

SERVICE MANUAL

Ver 1.1 2006.10

DCR-HC42

*US Model
Canadian Model*

DCR-HC39E/HC42E

*AEP Model
UK Model*

*East European Model
North European Model*

DCR-HC42/HC42E/HC43E

E Model

DCR-HC42E

*Australian Model
Hong Kong Model*

DCR-HC43

Brazilian Model

DCR-HC43E

Chinese Model

DCR-HC42/HC42E

Tourist Model

DCR-HC42

Korea Model

DCR-HC41

Japanese Model

SUPPLEMENT-1

File this supplement with the service manual.
(DI06-108)

- Change of Repair Parts

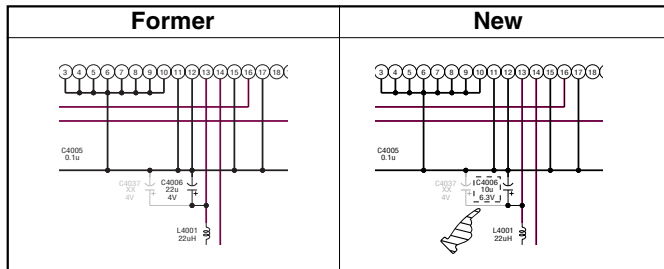
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

 : Points changed portion.

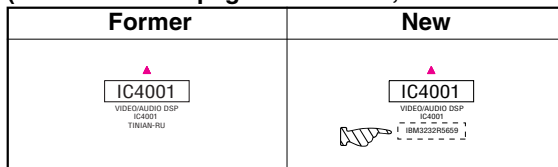
4-2. SCHEMATIC DIAGRAMS

VC-378 BOARD (4/19) (VIDEO/AUDIO DSP)

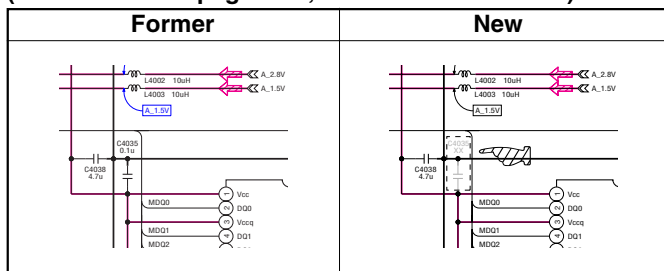
(Service manual page 4-15, Location N-7 to O-8)



(Service manual page 4-15 to 4-16, Location H-11 to H-12)

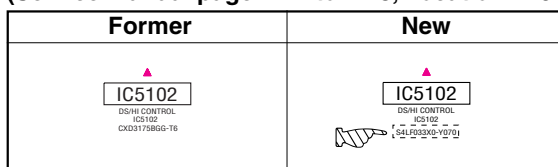


(Service manual page 4-16, Location C-21 to D-22)

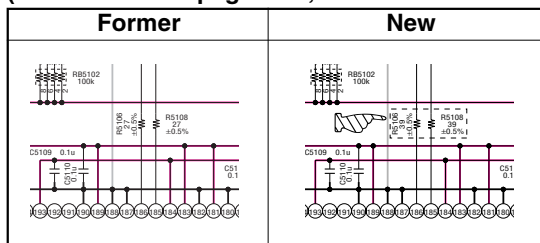


VC-378 BOARD (5/19) (DS/Hi CONTROL)

(Service manual page 4-17 to 4-18, Location I-10 to J-11)

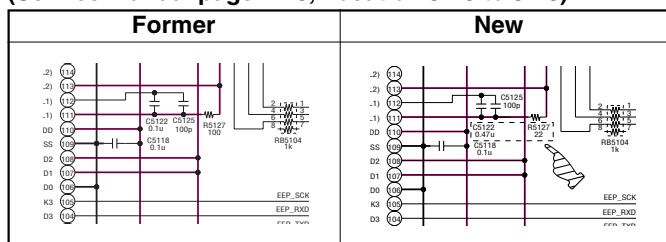


(Service manual page 4-18, Location C-11 to D-12)

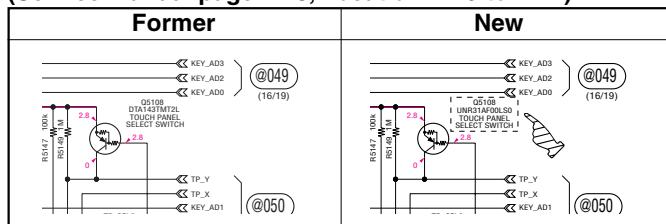


VC-378 BOARD (5/19) (DS/HI CONTROL)

(Service manual page 4-18, Location J-16 to J-18)

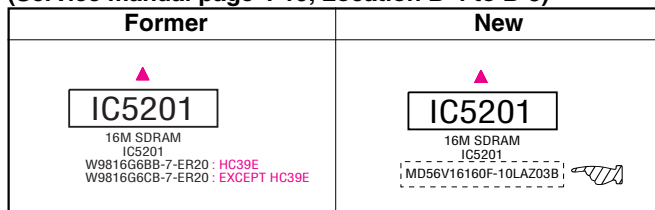


(Service manual page 4-18, Location E-19 to F-21)

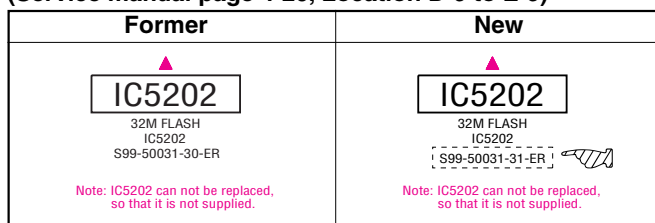


VC-378 BOARD (6/19) (FLASH, SDRAM)

(Service manual page 4-19, Location B-4 to B-5)

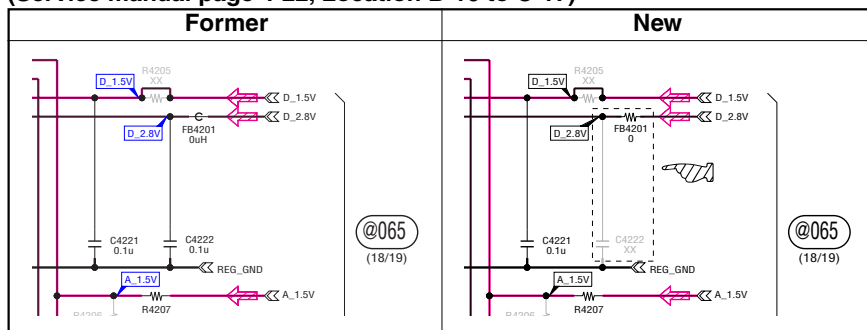


(Service manual page 4-20, Location D-9 to E-9)

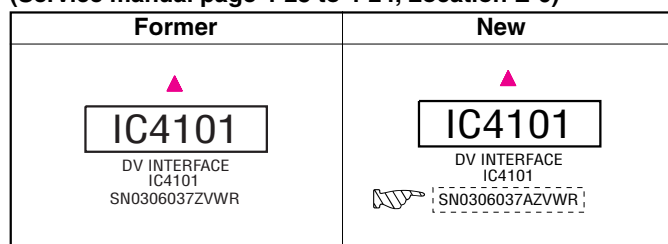


VC-378 BOARD (7/19) (DV SIGNAL PROCESS)

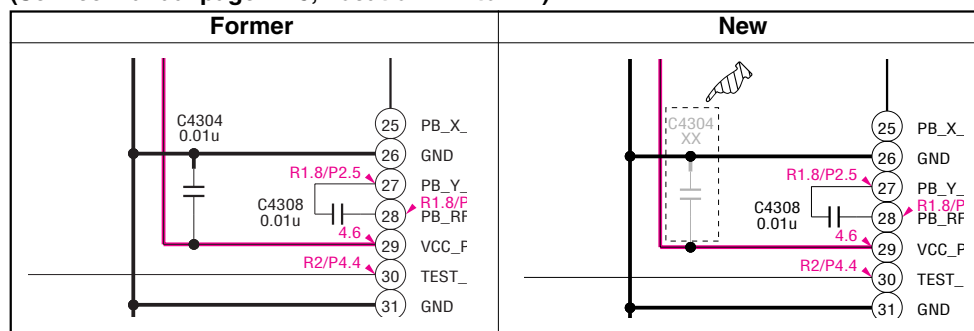
(Service manual page 4-22, Location B-16 to C-17)



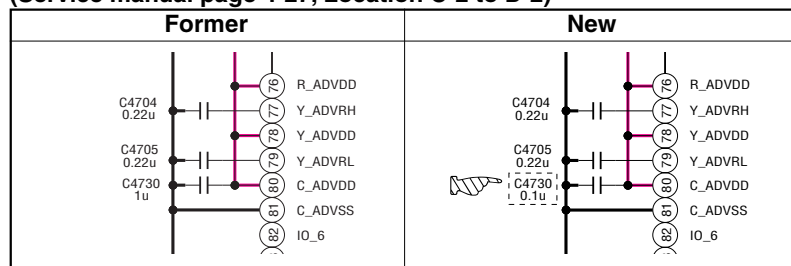
VC-378 BOARD (8/19) (DV INTERFACE)
(Service manual page 4-23 to 4-24, Location E-6)



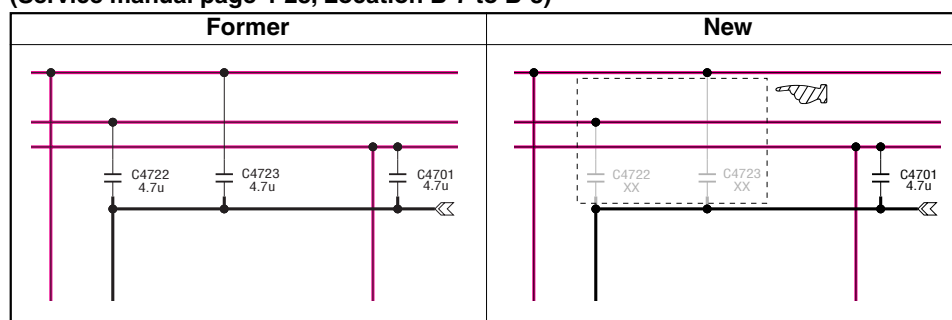
VC-378 BOARD (9/19) (REC/PB AMP (RF BLOCK))
(Service manual page 4-25, Location D-4 to E-4)



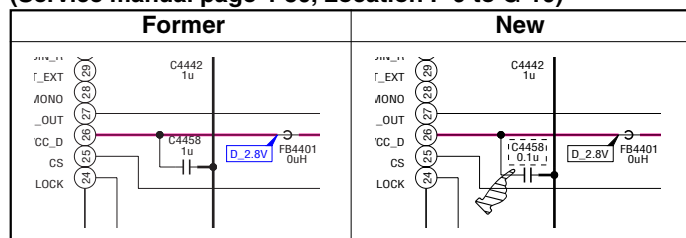
VC-378 BOARD (10/19) (ASPECT RATIO CONVERTER)
(Service manual page 4-27, Location C-2 to D-2)



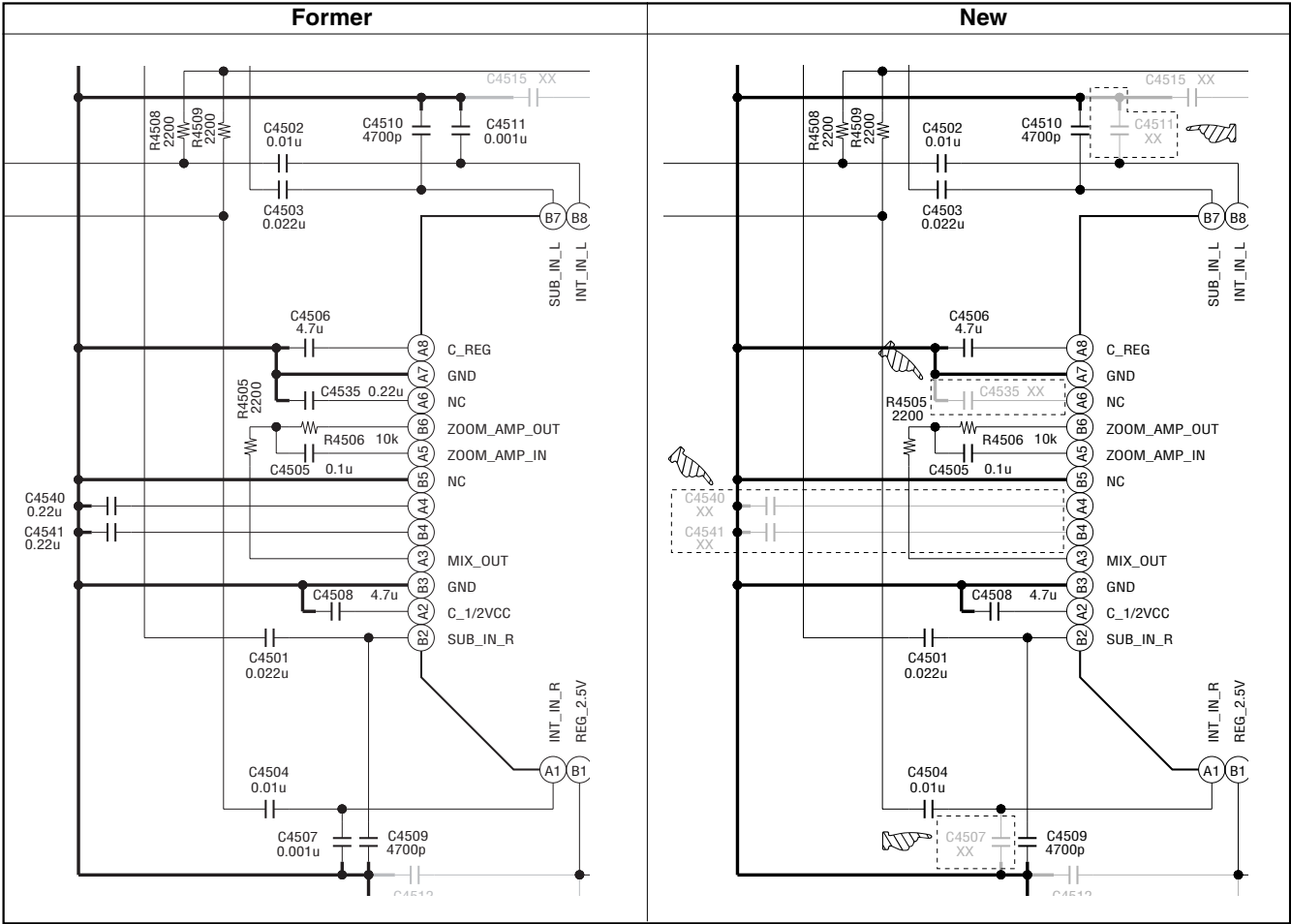
(Service manual page 4-28, Location B-7 to B-8)



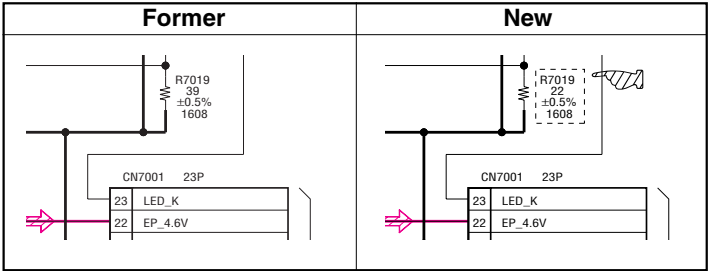
VC-378 BOARD (11/19) (VIDEO, AUDIO I/O)
(Service manual page 4-30, Location F-9 to G-10)



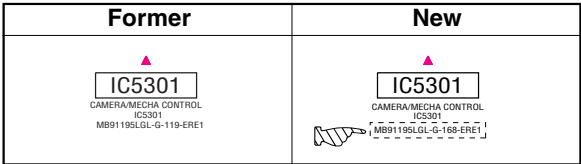
VC-378 BOARD (12/19) (MIC AMP)
 (Service manual page 4-31, Location C-2 to F-4)



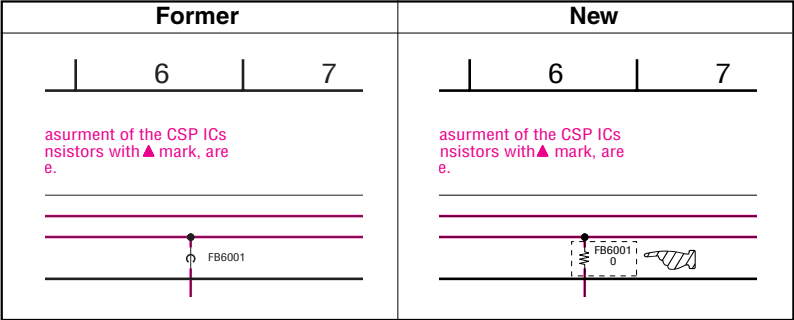
VC-378 BOARD (13/19) (EVF DRIVE (EVF BLOCK))
 (Service manual page 4-34, Location C-13 to D-14)



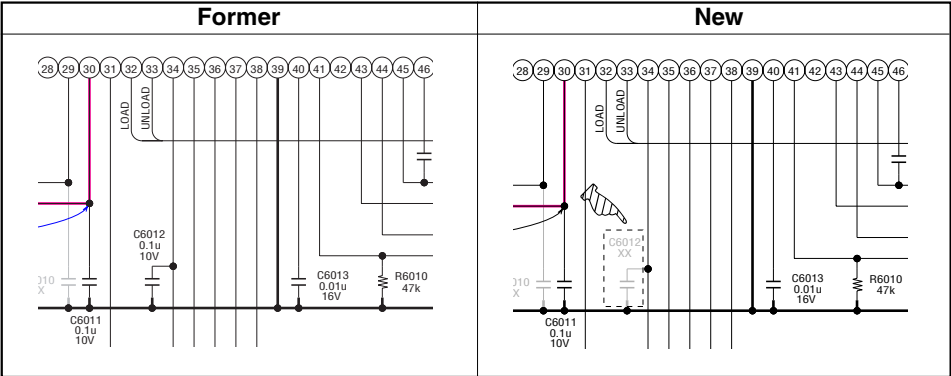
VC-378 BOARD (14/19) (CAMERA/MECHA CONTROL)
 (Service manual page 4-35 to 4-36, Location G-9 to G-10)



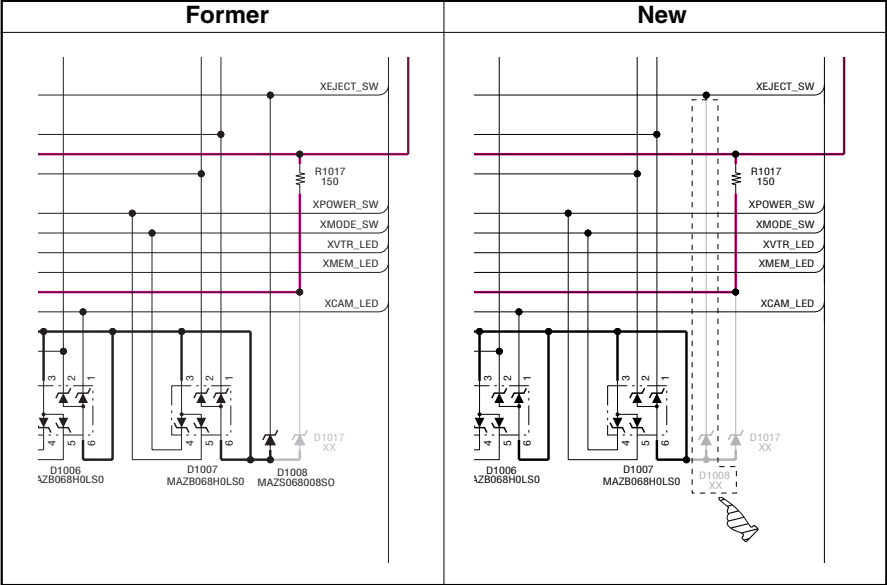
VC-378 BOARD (15/19) (SERVO)
 (Service manual page 4-37, Location A-6 to B-7)



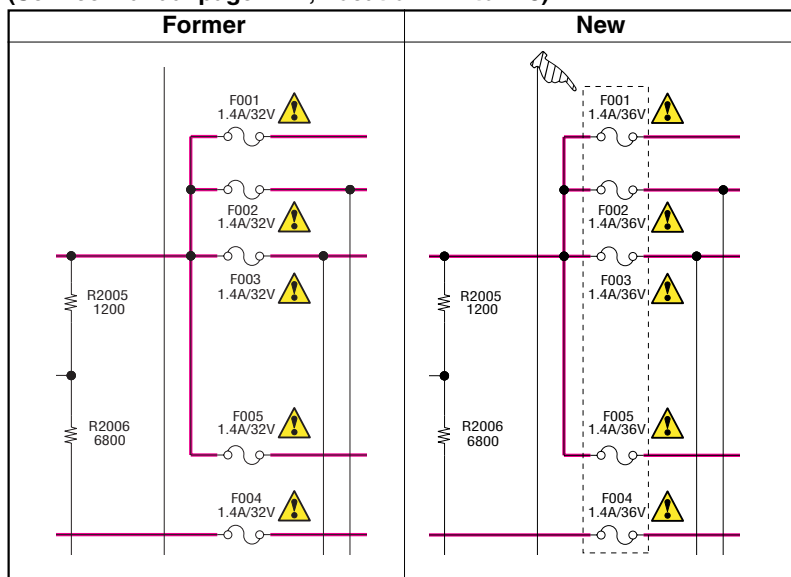
(Service manual page 4-38, Location G-9 to I-10)



VC-378 BOARD (16/19) (HI CONTROL)
 (Service manual page 4-39, Location F-3 to H-5)

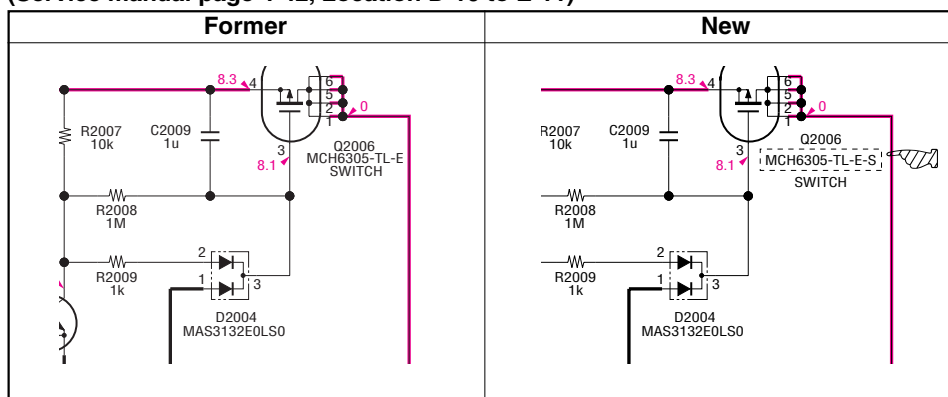


VC-378 BOARD (17/19) (DC IN (FU BLOCK))
(Service manual page 4-42, Location B-7 to D-8)

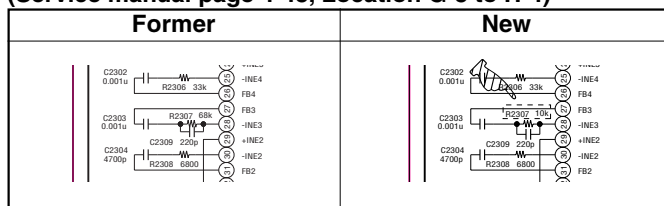


• Refer to page 4-5 (English), 4-6 (Japanese) on the service manual for mark \triangle .

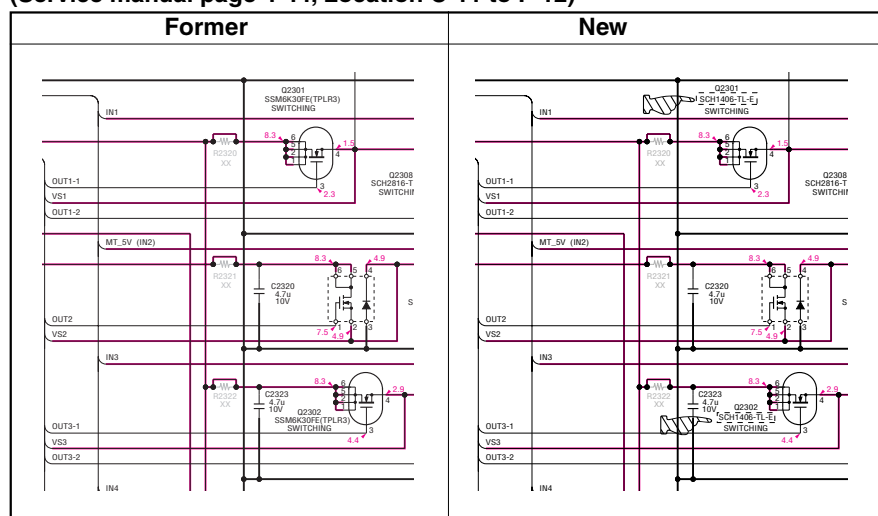
(Service manual page 4-42, Location D-10 to E-11)



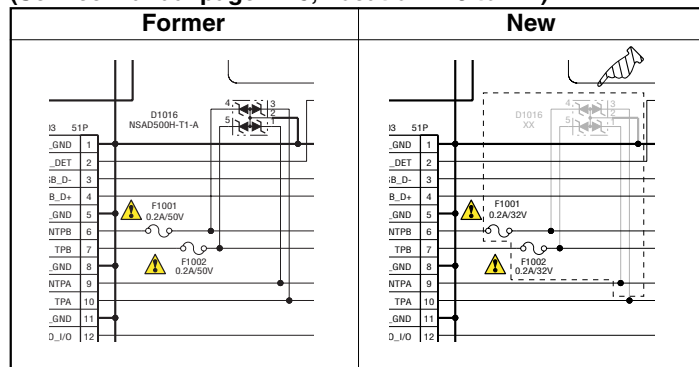
VC-378 BOARD (18/19) (DC/DC CONVERTER (DD BLOCK))
(Service manual page 4-43, Location G-3 to H-4)



VC-378 BOARD (18/19) (DC/DC CONVERTER (DD BLOCK))
(Service manual page 4-44, Location C-11 to F-12)



VC-378 BOARD (19/19) (CONNECTOR (CN BLOCK))
(Service manual page 4-45, Location D-3 to F-4)



- Refer to page 4-5 (English), 4-6 (Japanese) on the service manual for mark Δ .

5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

Page	Former						New							
	Ref. No.	Part No.	Description				Ref. No.	Part No.	Description					
		A-1101-191-A	VC-378 BOARD, COMPLETE (SERVICE) (HC39E)					A-1101-191-A	VC-378 BOARD, COMPLETE (SERVICE) (HC39E)					
		A-1101-199-A	VC-378 BOARD, COMPLETE (SERVICE) (HC41/HC42/HC43)					A-1101-199-A	VC-378 BOARD, COMPLETE (SERVICE) (HC41/HC42/HC43)					
		A-1101-200-A	VC-378 BOARD, COMPLETE (SERVICE) (HC42E/HC43E)					A-1101-200-A	VC-378 BOARD, COMPLETE (SERVICE) (HC42E/HC43E)					
		*****							*****					
5-16		< CAPACITOR >							< CAPACITOR >					
	C4006	1-127-895-91	TANTAL. CHIP	22uF	20%	4V	C4006	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V		
	C4035	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V								
	C4222	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V								
	C4304	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V								
5-17		C4458	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	C4458	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
	C4507	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V								
	C4511	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V								
	C4535	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V								
	C4540	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V								
	C4541	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V								
	C4722	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V								
	C4723	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V								
	C4730	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V	C4730	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V		
	C5122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C5122	1-100-415-11	CERAMIC CHIP	0.47uF	10%	6.3V		
5-18		C6012	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V							
		< CONNECTOR >							< CONNECTOR >					
	CN1001	1-816-645-31	FFC/FPC CONNECTOR (LIF) 14P				* CN1001	1-816-645-51	FFC/FPC CONNECTOR (LIF) 14P					
	CN1002	1-766-644-21	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 8P				CN1002	1-766-338-51	CONNECTOR, FFC/FPC 8P					
	CN1003	1-817-283-41	CONNECTOR, FPC (ZIF) 51P				* CN1003	1-817-283-51	CONNECTOR, FPC (ZIF) 51P					
	CN1004	1-817-550-11	CONNECTOR, FPC (LIF (NON-ZIF)) 18P				* CN1004	1-816-647-51	FFC/FPC CONNECTOR (LIF) 18P					
	CN1005	1-784-420-11	CONNECTOR, FFC/FPC (ZIF) 21P				CN1005	1-784-420-51	CONNECTOR, FFC/FPC (ZIF) 21P					
	CN1006	1-816-650-31	FFC/FPC CONNECTOR (LIF) 24P				* CN1006	1-816-650-51	FFC/FPC CONNECTOR (LIF) 24P					
	CN1007	1-766-644-21	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 8P				CN1007	1-766-338-51	CONNECTOR, FFC/FPC 8P					
	CN1008	1-817-910-41	CONNECTOR, FPC (ZIF) 45P				* CN1008	1-817-910-51	CONNECTOR, FPC (ZIF) 45P					
	CN2001	1-766-360-21	CONNECTOR, FFC/FPC 30P				CN2001	1-766-360-51	CONNECTOR, FFC/FPC 30P					
	CN3201	1-784-423-21	CONNECTOR, FFC/FPC (ZIF) 39P				CN3201	1-784-423-51	CONNECTOR, FFC/FPC (ZIF) 39P					
	CN3801	1-817-543-31	CONNECTOR, FPC (ZIF) 27P				CN3801	1-817-543-51	CONNECTOR, FPC (ZIF) 27P					
	CN4301	1-817-705-11	CONNECTOR, FPC (LIF (NON-ZIF)) 10P				* CN4301	1-816-643-51	FFC/FPC CONNECTOR (LIF) 10P					
	CN6001	1-817-705-11	CONNECTOR, FPC (LIF (NON-ZIF)) 10P				* CN6001	1-816-643-51	FFC/FPC CONNECTOR (LIF) 10P					
	CN6002	1-784-421-11	CONNECTOR, FFC/FPC (ZIF) 27P				CN6002	1-784-421-51	CONNECTOR, FFC/FPC (ZIF) 27P					
	CN6003	1-784-421-11	CONNECTOR, FFC/FPC (ZIF) 27P				CN6003	1-784-421-51	CONNECTOR, FFC/FPC (ZIF) 27P					
	CN7001	1-816-595-31	CONNECTOR, FPC (ZIF) 23P				CN7001	1-816-595-51	CONNECTOR, FPC (ZIF) 23P					
		< DIODE >												
	D1008	8-719-056-54	DIODE MAZS068008SO											
	D1016	6-500-750-01	DIODE NSAD500H-T1-A											


Page	Former						New						
5-18	Ref. No.	Part No.	Description				Ref. No.	Part No.	Description				
	< FUSE >						< FUSE >						
	△ F001	1-576-406-21	FUSE (1.4A/32V)				△ F001	1-576-407-21	FUSE (1.4A/36V)				
	△ F002	1-576-406-21	FUSE (1.4A/32V)				△ F002	1-576-407-21	FUSE (1.4A/36V)				
	△ F003	1-576-406-21	FUSE (1.4A/32V)				△ F003	1-576-407-21	FUSE (1.4A/36V)				
	△ F004	1-576-406-21	FUSE (1.4A/32V)				△ F004	1-576-407-21	FUSE (1.4A/36V)				
	△ F005	1-576-406-21	FUSE (1.4A/32V)				△ F005	1-576-407-21	FUSE (1.4A/36V)				
	△ F1001	1-576-647-11	FUSE (0.2A/50V)				△ F1001	1-576-897-21	FUSE (0.2A/32V)				
	△ F1002	1-576-647-11	FUSE (0.2A/50V)				△ F1002	1-576-897-21	FUSE (0.2A/32V)				
	5-19	< FERRITE BEAD >						< FERRITE BEAD >					
FB4201		1-400-461-21	FERRITE, EMI (SMD) (1005)				FB4201	1-218-990-81	SHORT CHIP	0			
FB6001		1-400-461-21	FERRITE, EMI (SMD) (1005)				FB6001	1-218-990-81	SHORT CHIP	0			
< IC >						< IC >							
IC4001		6-707-507-01	IC	32R5659			IC4001	6-707-507-01	IC	IBM3232R5659			
IC4101		6-707-247-01	IC	SN0306037ZVWR			* IC4101	6-709-272-01	IC	SN0306037AZVWR			
IC5102		8-753-235-21	IC	CXD3175BGG-T6			* IC5102	6-708-863-01	IC	S4LF033X0-Y070			
IC5201		6-702-074-01	IC	W9816G6BB-7-ER20 (HC39E)			IC5201	6-702-029-01	IC	MD56V16160F-10LAZ03B			
IC5201		6-707-634-01	IC	W9816G6CB-7-ER20 (EXCEPT HC39E)									
IC5202		(Not supplied)	IC	S99-50031-30-ER			IC5202	(Not supplied)	IC	S99-50031-31-ER			
5-20	IC5301	6-805-035-01	IC	MB91195LGL-G-118-ERE1			IC5301	6-806-000-01	IC	MB91195LGL-G-168-ERE1			
	< TRANSISTOR >						< TRANSISTOR >						
	Q2006	6-551-184-01	TRANSISTOR	MCH6305-TL-E			Q2006	6-551-184-01	TRANSISTOR	MCH6305-TL-E-S			
	Q2301	6-550-675-01	TRANSISTOR	SSM6K30FE (TPLR3)			Q2301	6-550-714-01	TRANSISTOR	SCH1406-TL-E			
	Q2302	6-550-675-01	TRANSISTOR	SSM6K30FE (TPLR3)			Q2302	6-550-714-01	TRANSISTOR	SCH1406-TL-E			
	Q5108	8-729-053-29	TRANSISTOR	DTA143TMT2L			Q5108	6-551-338-01	TRANSISTOR	UNR31AF00LS0			
	< RESISTOR >						< RESISTOR >						
	R2307	1-218-975-11	RES-CHIP	68K	5%	1/16W	R2307	1-218-965-11	RES-CHIP	10K	5%	1/16W	
	5-21	R5106	1-220-880-81	METAL CHIP	27	0.5%	1/16W	R5106	1-220-884-81	METAL CHIP	39	0.5%	1/16W
		R5108	1-220-880-81	METAL CHIP	27	0.5%	1/16W	R5108	1-220-884-81	METAL CHIP	39	0.5%	1/16W
5-22	R5127	1-218-941-81	RES-CHIP	100	5%	1/16W	R5127	1-218-933-11	RES-CHIP	22	5%	1/16W	
	R7019	1-211-983-11	METAL CHIP	39	0.5%	1/10W	R7019	1-211-977-11	METAL CHIP	22	0.5%	1/10W	
< VIBRATOR >						< VIBRATOR >							
	X3201	1-813-433-21	QUARTZ CRYSTAL OSCILLATOR (33 MHz) (HC41/HC42/HC43)				X3201	1-813-433-11	QUARTZ CRYSTAL OSCILLATOR (33 MHz) (HC41/HC42/HC43)				

• Refer to page 5-1 on the service manual for mark △.


[Description of main button functions on toolbar of the Adobe Acrobat Reader Ver5.0 (for Windows)]




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:

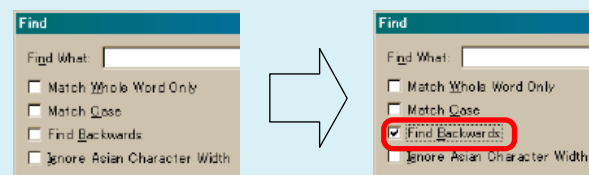
To set a range to be printed within a page, select the graphic selection tool  and drag on the page to enclose a range to be printed, and then click the Print button.

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 Backward" 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.

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 .






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.

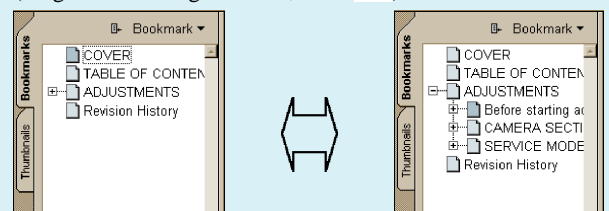
Moving with link

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.

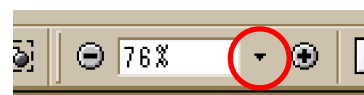
(To go back to original state, click )




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.



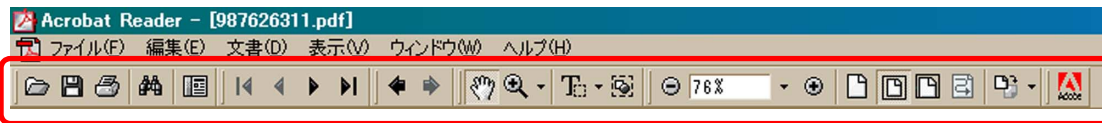
"Rotate"

- 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.


【Adobe Acrobat Reader Ver 5.0(for Windows) ツールバー内にある主なボタンの機能説明】




文章を印刷する

1. 印刷ボタンをクリックする。
2. プリンター、印刷範囲、印刷部数、および他のオプションを指定して「OK」をクリックする。

印刷の応用：

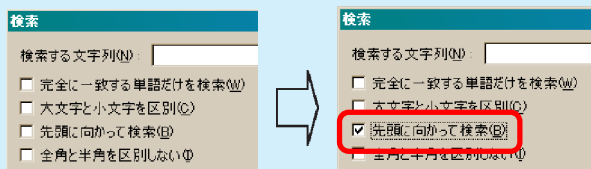
ページ内で印刷したい範囲を設定するには、グラフィック選択ツールを選択し、ページ上をドラッグして印刷したい範囲を囲ってから印刷ボタンをクリックする。

文章内を検索する

1. 検索ボタンをクリックする。
2. 検索したい文字列をテキストボックスに入力して「検索」をクリックする。(必要に応じて検索オプションを指定する)

サービスマニュアルへの応用：

現在のページから前ページに向かって検索する場合は「先頭に向かって検索」のチェックボックスを選択してから「検索」をクリックする。







3. 検索ダイアログボックスをもう一度開き、「次を検索」をクリックすると次に出てくる一致文字列を検索することができる。(前回入力した文字列が、テキストボックスにそのまま表示されている)

サービスマニュアルへの応用：



文章内にある図面ページ(ブロックダイアグラム、回路図、プリント図)および部品表ページなどは、この検索機能を使って部品検索することができる。例えば、ブロックダイアグラム上でICのRef. No.を検索し、「次を検索」を続けることによって回路図、プリント図上にあるICのRef. No.へ次々と移動する。

注意：発行年月日によって検索できない場合もあります。

ページを切り換える

- 最初のページに移動する場合、をクリックする。
- 最後のページに移動する場合、をクリックする。
- 前のページに移動する場合、をクリックする。
- 次のページに移動する場合、をクリックする。






一度表示した画面へ逆戻りする

- 前の画面(操作)へ1つずつ逆戻りする場合、をクリックする。
- 戻した画面(操作)を1つずつ前に進める場合、をクリックする。



サービスマニュアルへの応用：

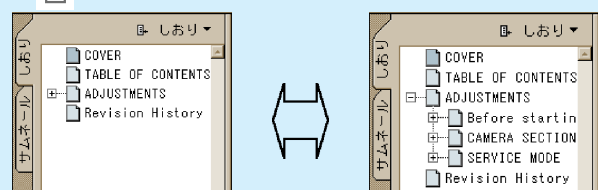
回路図とプリント図を行き来できるので電圧チェックに便利です。

リンクを使用して移動する

1. 手のひらツール、ズームツール、テキスト選択ツール、グラフィック選択ツールのいずれかを選択する。
2. 文章内のリンクのある場所(表紙および章目次ページのボタン、外し方のフローページ、図面ページでは文字が青色になっているところなど)にポインタを置くと、ポインタが人差し指の形に変わる。
3. そのままリンクをクリックする。(リンク先へ移動する)



しおりを利用して移動する：

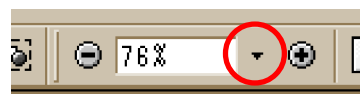
しおりパレット上の項目(テキスト)をクリックするとリンク先へ移動することができる。また、「」をクリックすると隠れている項目を表示することができる。
(「」をクリックすると元に戻る)




画面の表示を拡大、縮小または回転させる

「拡大/縮小」

- 倍率ボックスの三角矢印ボタンをクリックし、表示倍率を選択する。または、をクリックしても使えます。



「回転」

- 回転ツールをクリックすると、ページが90度ずつ回転する。

サービスマニュアルへの応用：

見ているプリント図をセットと同じ向きに変えられます。

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2005.01	Official Release	—	—
1.1	2006.10	Supplement-1 (S1 DI06-108)	• Change of Repair Parts	No