

# DSC-W5/W7/W15/W17

## SERVICE MANUAL

**LEVEL 3**

Ver 1.1 2005.12

Revision History

How to use  
Acrobat Reader



Photo: DSC-W5/Silver

**DSC-W5/W7**

US Model  
Canadian Model  
Argentine Model  
Brazilian Model  
Japanese Model

**DSC-W5/W7/W15/W17**

AEP Model  
UK Model  
E Model  
Australian Model  
Hong Kong Model  
Korea Model  
Tourist Model

**DSC-W5/W7/W15**

Chinese Model

### Link

• FRAME SCHEMATIC DIAGRAM

• PRINTED WIRING BOARDS

• SCHEMATIC DIAGRAMS

• REPAIR PARTS LIST

- For ADJUSTMENTS (SECTION 6), refer to SERVICE MANUAL, ADJ (9-876-856-51).
- For INSTRUCTION MANUAL, refer to SERVICE MANUAL, LEVEL 1 (9-876-856-41).
- This service manual contains information for Japanese model as well.
- **Reference No. search on printed wiring boards is available.**
- **Method for Copying or Erasing the Data in Internal Memory**

**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-545, CD-546, SW-001, CONTROL SWITCH BLOCK
5. REPAIR PARTS LIST	EXPLODED VIEWS
	ELECTRICAL PARTS LIST

**DIGITAL STILL CAMERA**

**SONY®**

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# 1. SERVICE NOTE

## 1-5. METHOD FOR COPYING OR ERASING THE DATA IN INTERNAL MEMORY

The data can be copied/erased by the operations on the Setup screen. (When erasing the data, execute formatting the internal memory.)

**Note: 1** When replacing the SY-001 board, erase the data in internal memory of the board before replacement.

**Note: 2** When replacing the SY-001 board or the IC381 on the SY-001 board, execute formatting and initialize the internal memory after replacement.

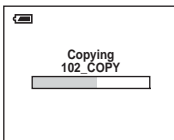
### Method for Copying the Data in Internal Memory


#### Copy

Copies all images in the internal memory to a "Memory Stick".

	OK	See the following procedure.
✓	Cancel	Cancels the copying.

- ① Insert a "Memory Stick" having 32 MB or larger capacity.
- ② Select [OK] with ▲ on the control button, then press ●.  
The message "All data in internal memory will be copied Ready?" appears.
- ③ Select [OK] with ▲, then ●.  
Copying starts.



- Use fully charged Nickel-Metal Hydride batteries or the AC Adaptor (not supplied). If you attempt to copy image files using batteries with little remaining charge, the batteries may run out, causing copying to fail or possibly corrupting the data.
- You cannot copy individual images.
- The original images in the internal memory are retained even after copying. To delete the contents of the internal memory, remove the "Memory Stick" after copying, then execute the [Format] command in the Internal Memory Tool.
- You cannot select a folder copied on a "Memory Stick".
- A  (Print order) mark added to an image is deleted when you copy data.

### Method for Formatting the Internal Memory

#### Format

Formats the internal memory.

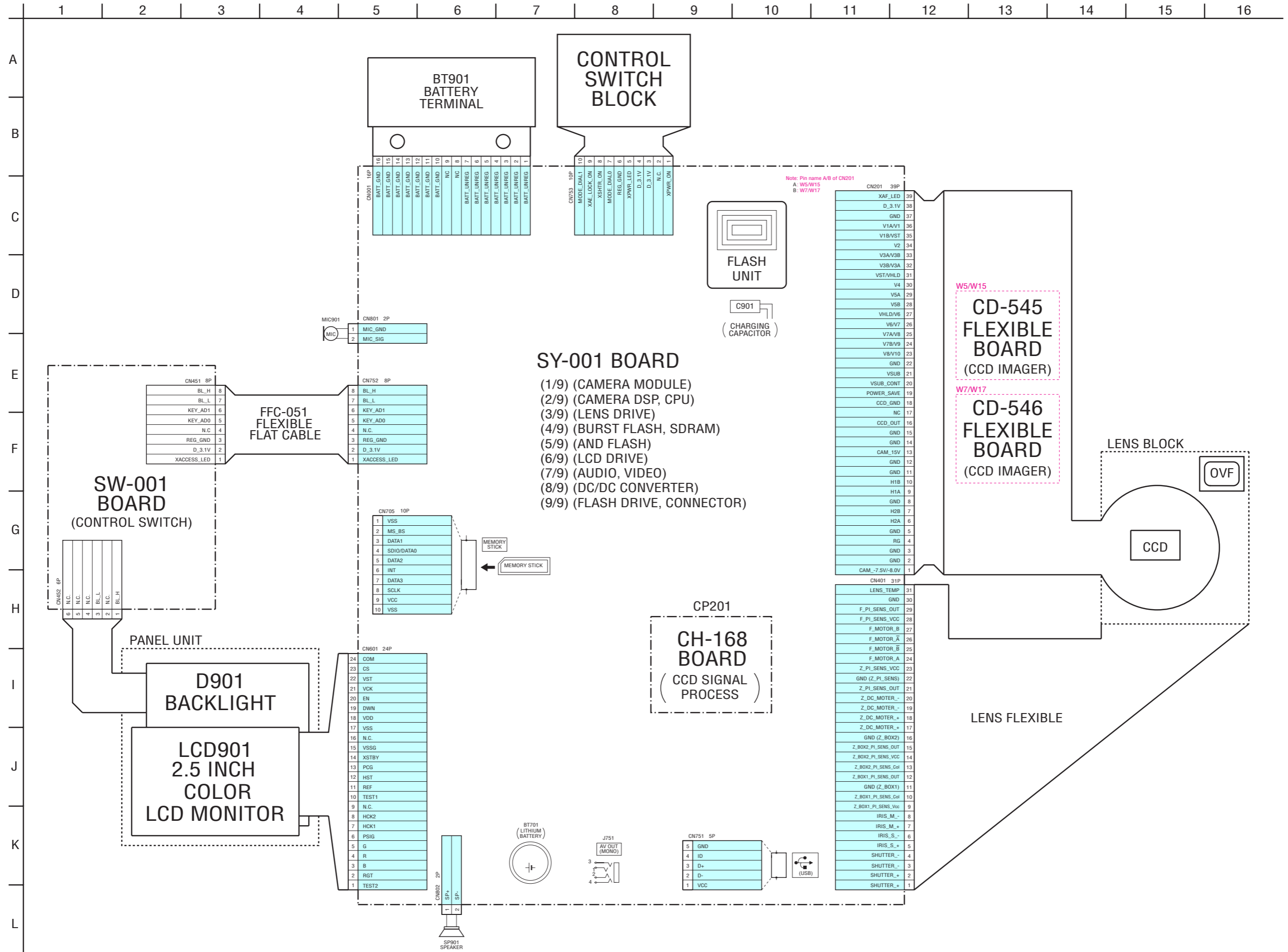
- Note that formatting irrevocably erases all data in the internal memory, including even protected images.

	OK	See the following procedure.
✓	Cancel	Cancels the formatting.

- ① Select [OK] with ▲ on the control button, then press ●.  
The message "All data in internal memory will be erased Ready?" appears.
- ② Select [OK] with ▲, then press ●.  
The format is complete.

# 4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

## 4-1. FRAME SCHEMATIC DIAGRAM



## 4-2. SCHEMATIC DIAGRAMS

### Link

• CH-168 BOARD (CCD SIGNAL PROCESS)	• SY-001 (5/9) (AND FLASH)
• SY-001 (1/9) (CAMERA MODULE)	• SY-001 (6/9) (LCD DRIVE)
• SY-001 (2/9) (CAMERA DSP, CPU)	• SY-001 (7/9) (AUDIO, VIDEO)
• SY-001 (3/9) (LENS DRIVE)	• SY-001 (8/9) (DC/DC CONVERTER)
• SY-001 (4/9) (BURST FLASH, SDRAM)	• SY-001 (9/9) (FLASH DRIVE, CONNECTOR)

• COMMON NOTE FOR SCHEMATIC DIAGRAMS	• WAVEFORMS
--------------------------------------	-------------

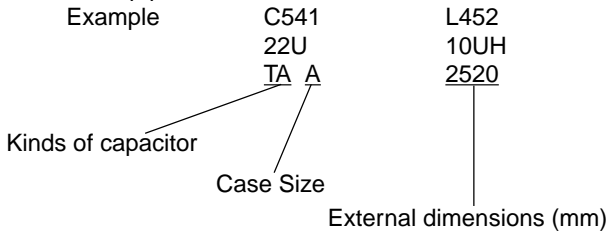
# 4-2. SCHEMATIC DIAGRAMS

## 4-2. SCHEMATIC DIAGRAMS

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

**(For schematic diagrams)**

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



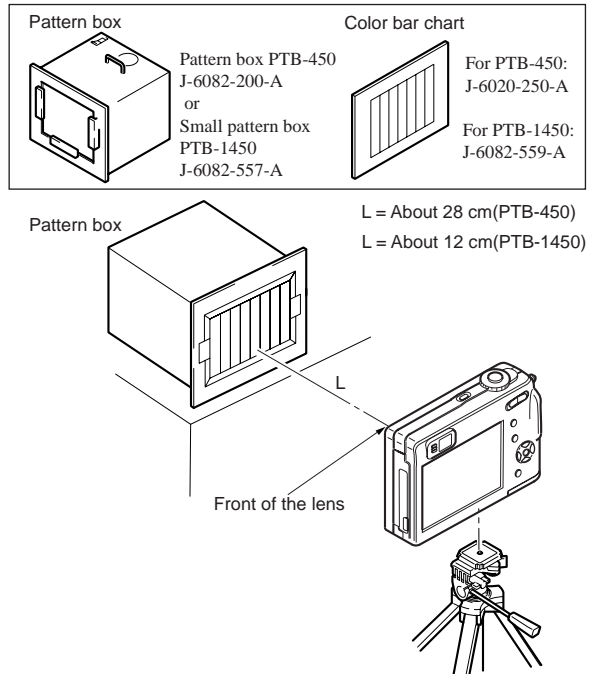
- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.  
In such cases, the unused circuits may be indicated.
- Parts with ★ differ according to the model/destination. Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name  
XEDIT → 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.)

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

1. Connection



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

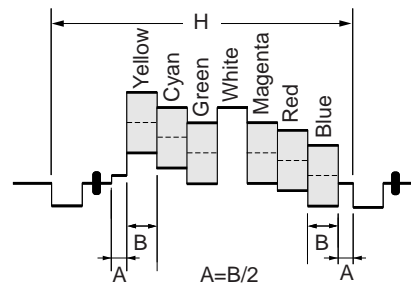


Fig. a (Video output terminal output waveform)

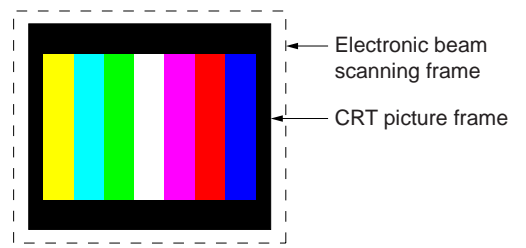


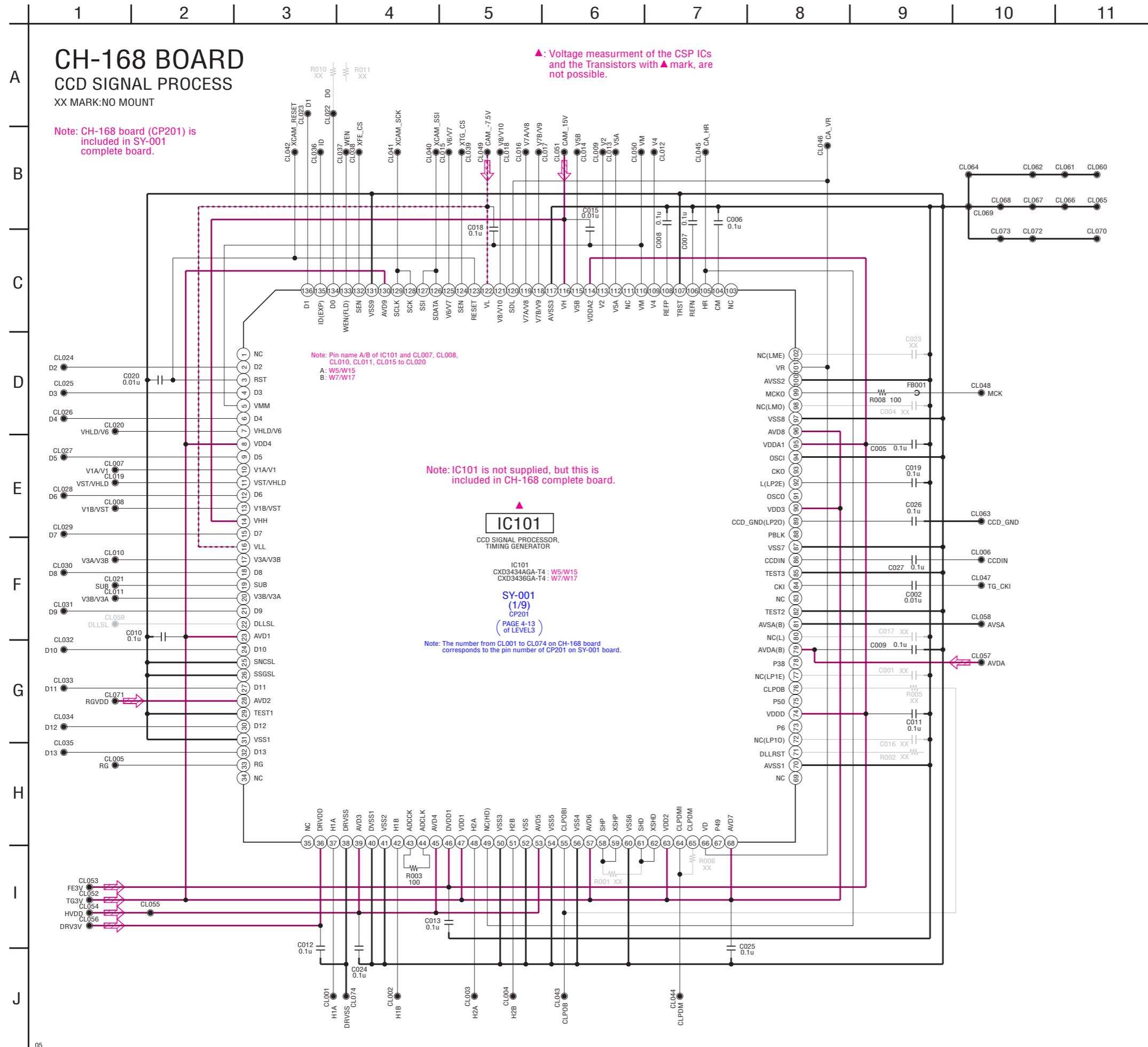
Fig.b (Picture on monitor TV)

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

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

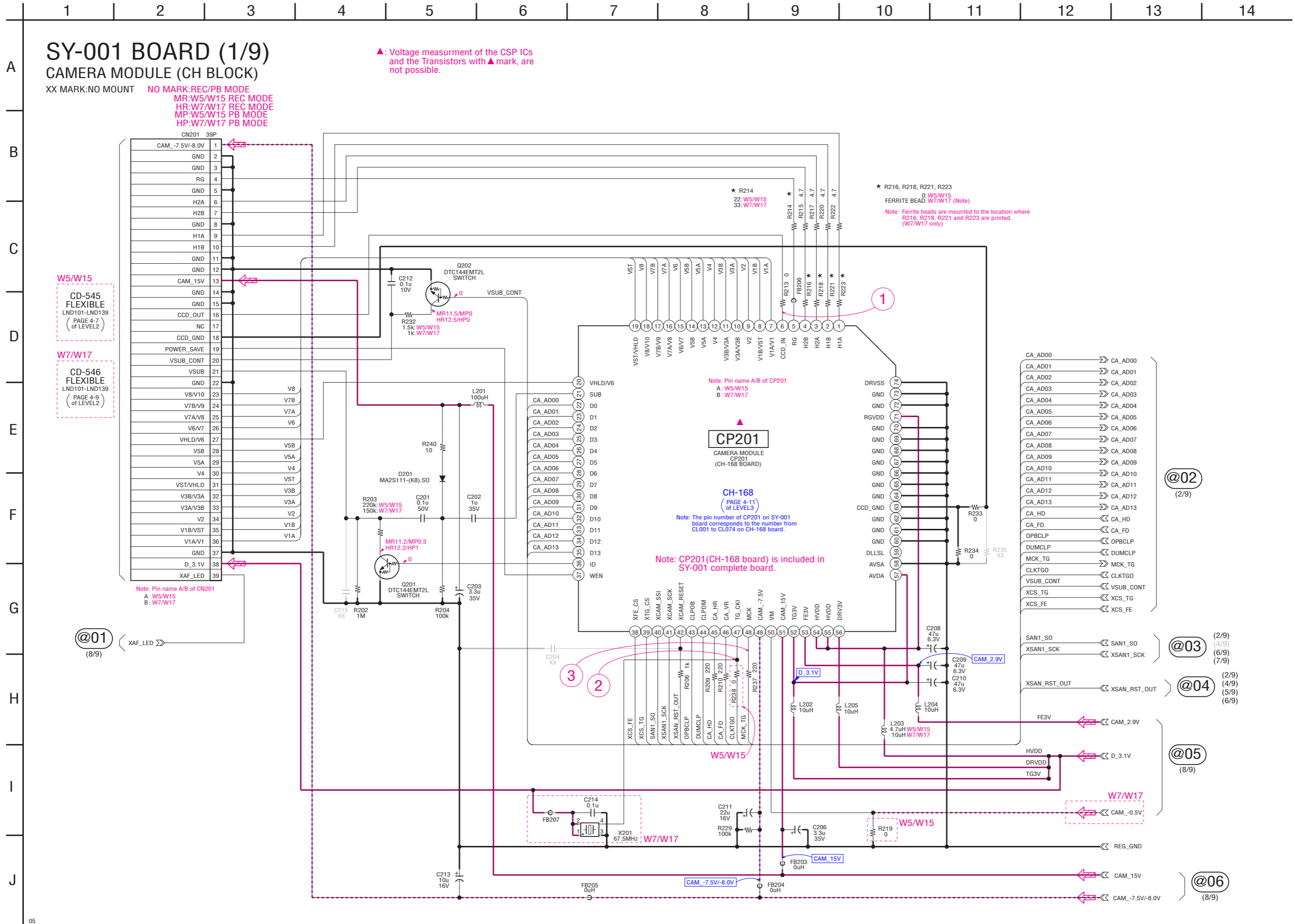
**For Schematic Diagram**

• Refer to page 4-42 for printed wiring board.



**For Schematic Diagram**

• Refer to page 4-39 to 4-42 for printed wiring board.



▲: Voltage measurement of the CSP ICs and the Transistors with ▲ mark, are not possible.

**SY-001 BOARD (1/9)  
CAMERA MODULE (CH BLOCK)**

XX MARK:NO MOUNT    NO MARK:REC/PB MODE  
MR:W5/W15 REC MODE  
HR:W7/W17 REC MODE  
MP:W5/W15 PB MODE  
HP:W7/W17 PB MODE

W5/W15  
CD-545  
FLEXIBLE  
LND101-LND139  
(PAGE 4-7  
of LEVEL2)

W7/W17  
CD-546  
FLEXIBLE  
LND101-LND139  
(PAGE 4-9  
of LEVEL2)

★ R214  
22: W5/W15  
33: W7/W17

★ R216, R218, R221, R223  
0: W5/W15  
FERRITE BEAD: W7/W17 (Note)  
Note: Ferrite beads are mounted to the location where R216, R218, R221 and R223 are printed. (W7/W17 only)

Note: Pin name A/B of CP201  
A: W5/W15  
B: W7/W17

CP201  
CAMERA MODULE  
CP201  
(CH-168 BOARD)

CH-168  
(PAGE 4-11  
of LEVEL3)

Note: The pin number of CP201 on SY-001 board corresponds to the number from CL001 to CL074 on CH-168 board.

Note: CP201(CH-168 board) is included in SY-001 complete board.

Note: Pin name A/B of CN201  
A: W5/W15  
B: W7/W17

@01  
(8/9)

@02  
(2/9)

@03  
(2/9)  
(4/9)  
(6/9)  
(7/9)

@04  
(2/9)  
(4/9)  
(5/9)  
(6/9)

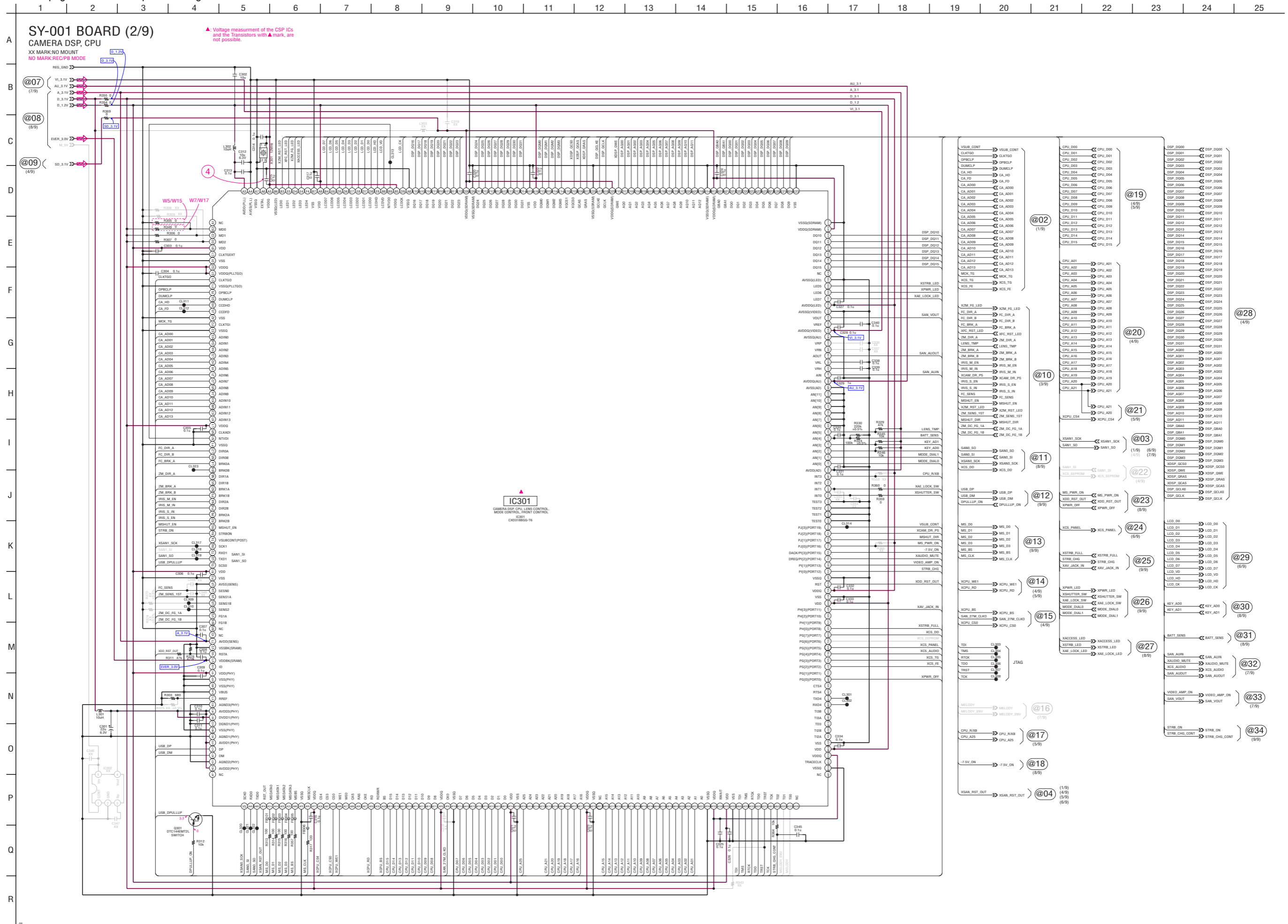
@05  
(8/9)

@06  
(8/9)



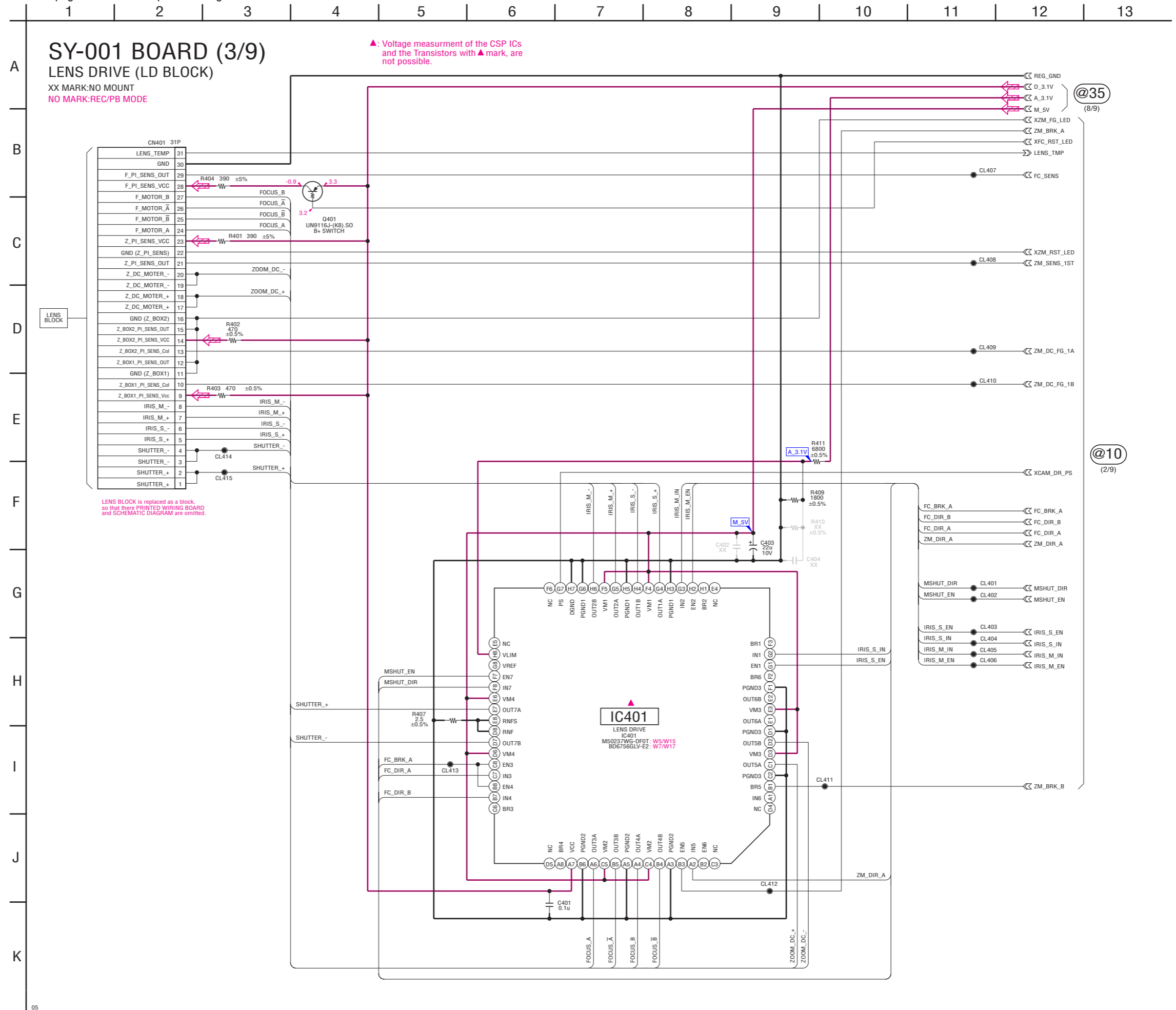
**For Schematic Diagram**

• Refer to page 4-39 to 4-42 for printed wiring board.



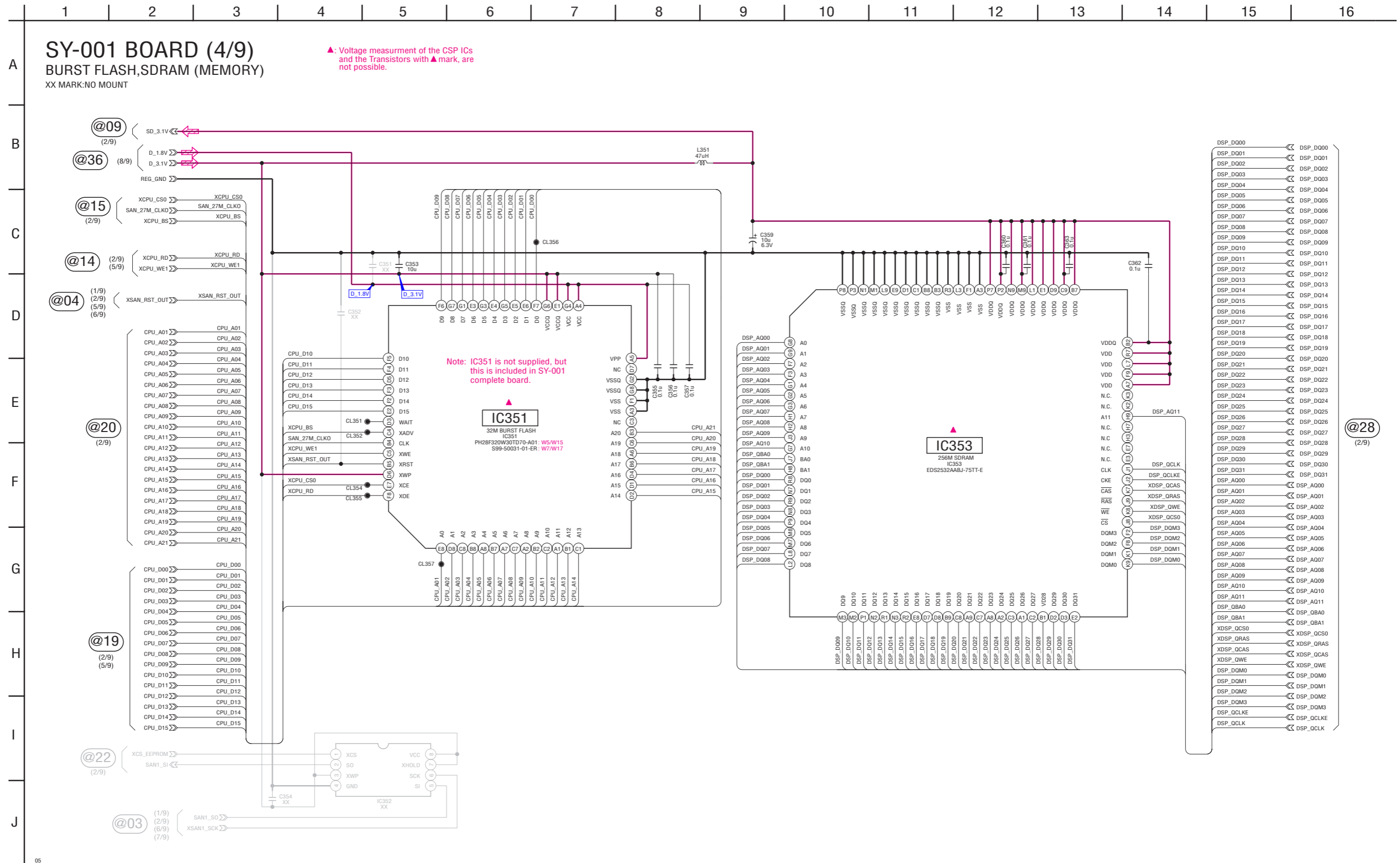
**For Schematic Diagram**

• Refer to page 4-39 to 4-42 for printed wiring board.

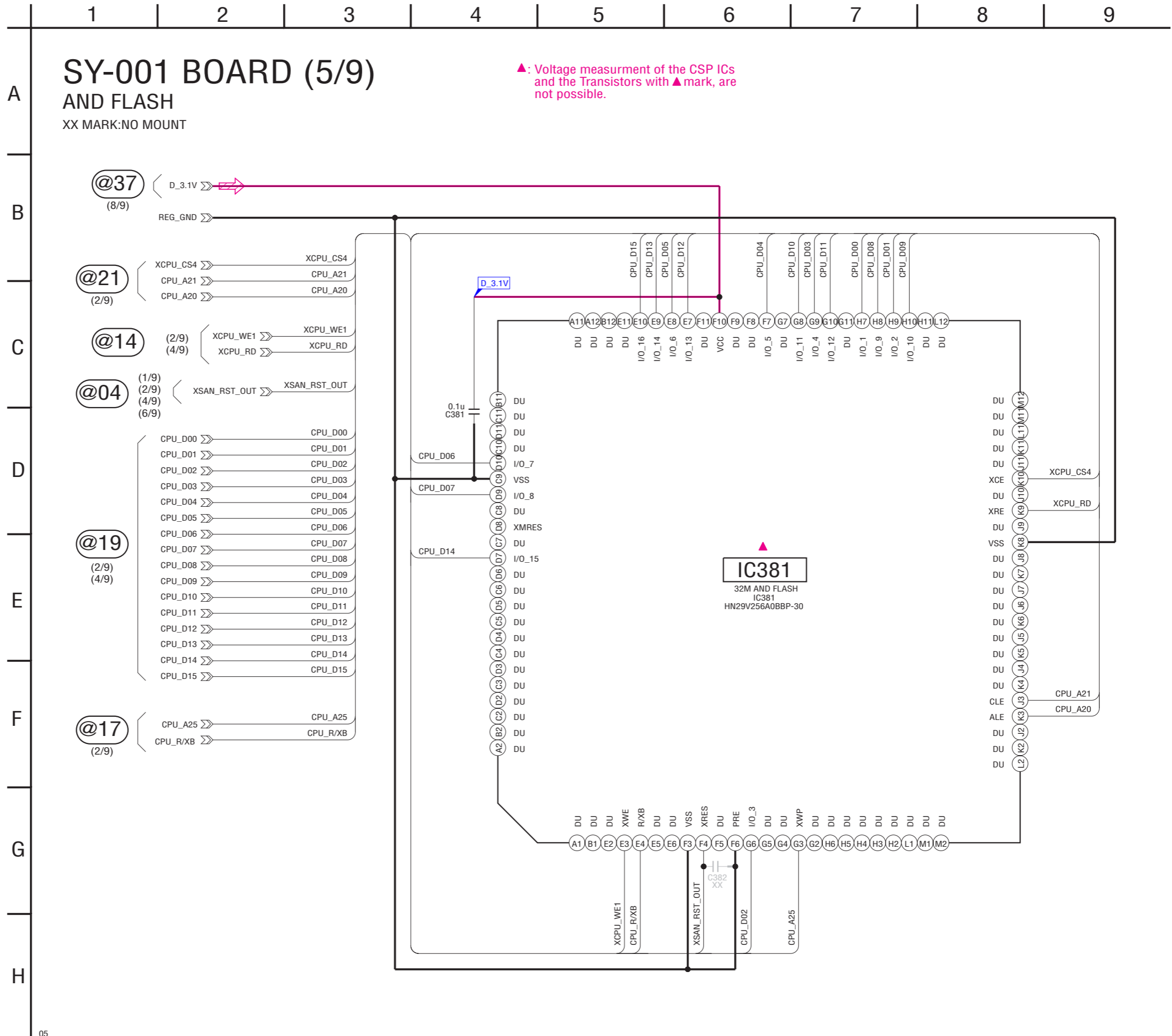


**For Schematic Diagram**

• Refer to page 4-39 to 4-42 for printed wiring board.

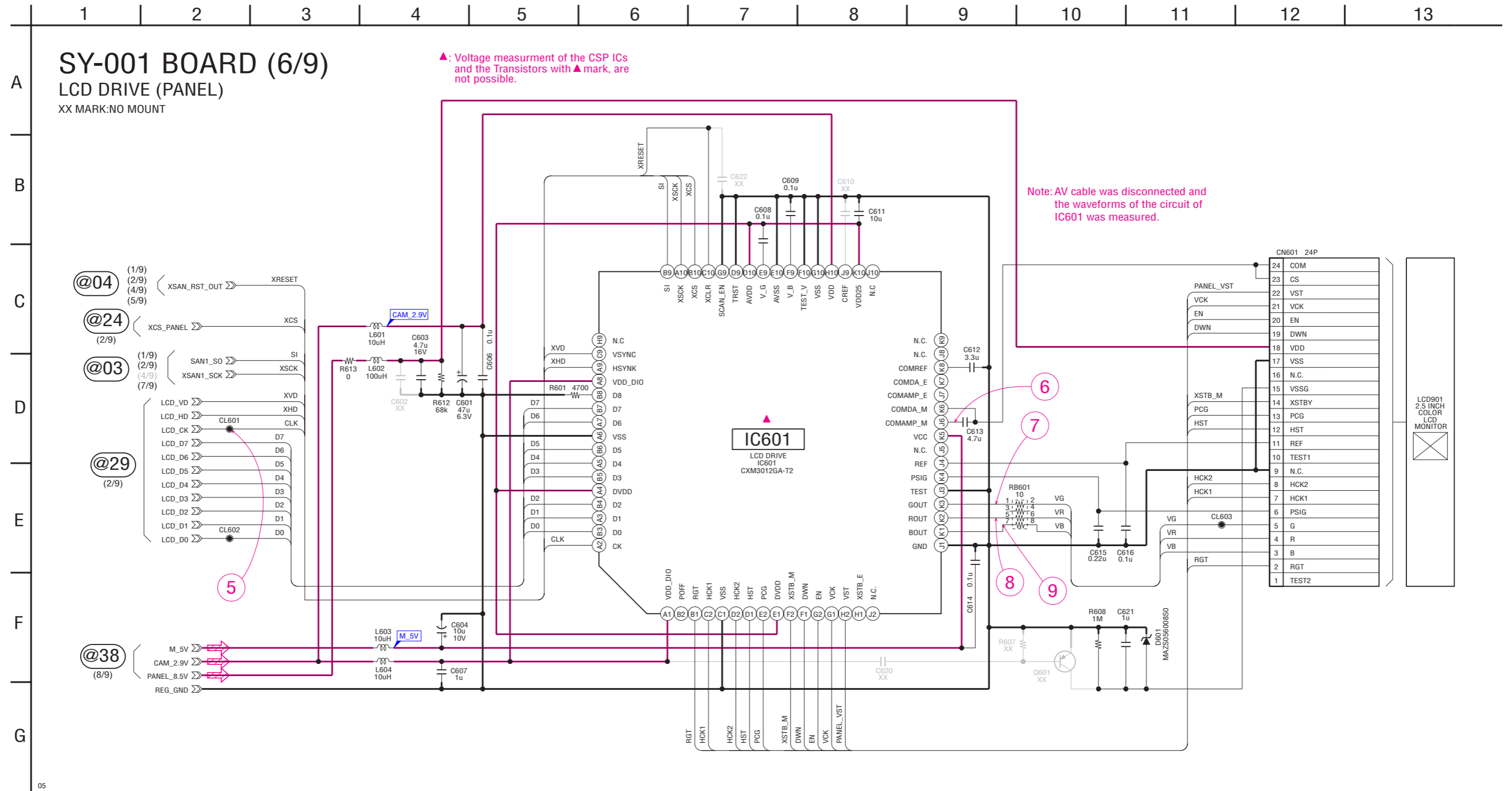


**For Schematic Diagram**  
 • Refer to page 4-39 to 4-42 for printed wiring board.

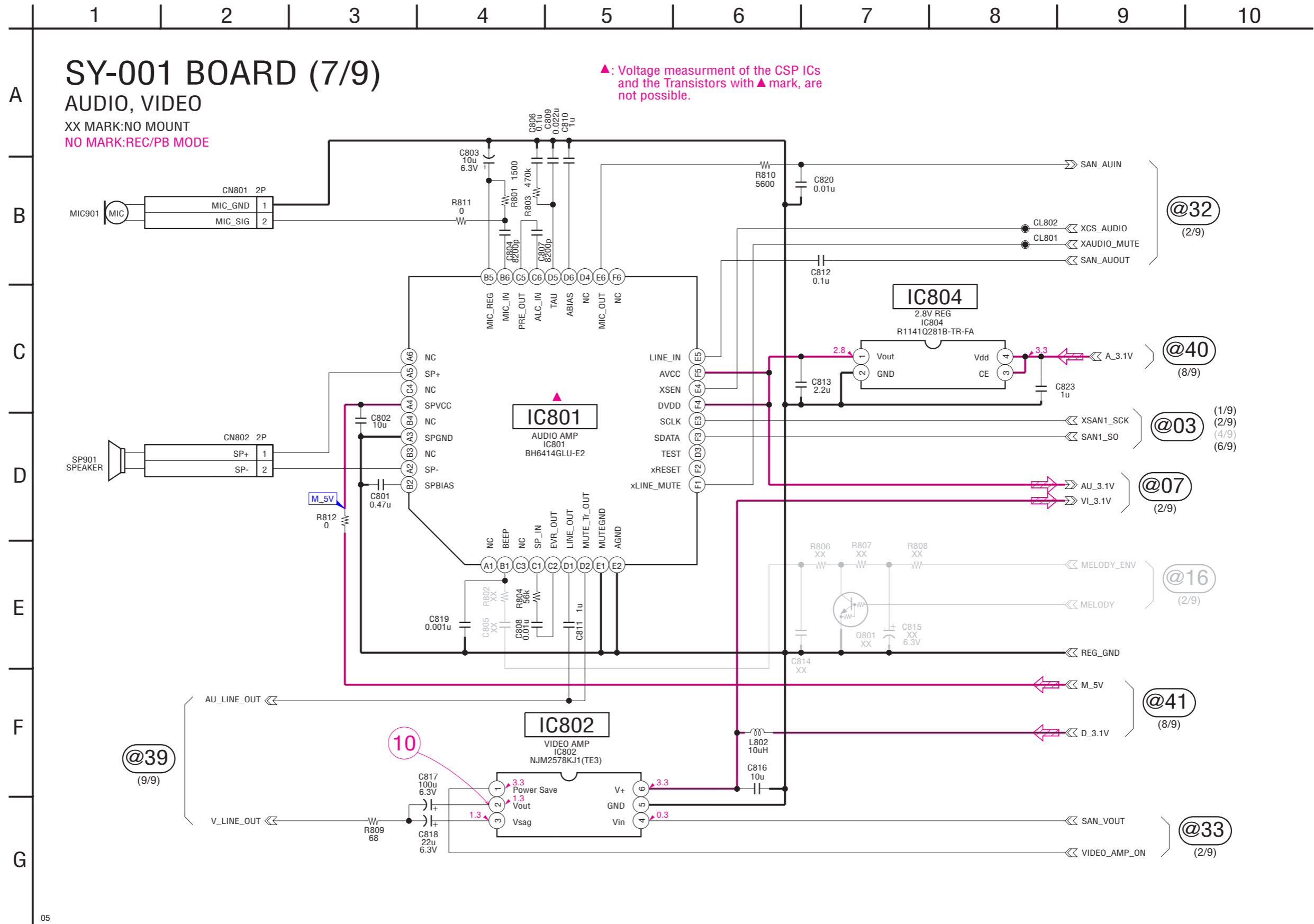


**For Schematic Diagram**

- Refer to page 4-39 to 4-42 for printed wiring board.



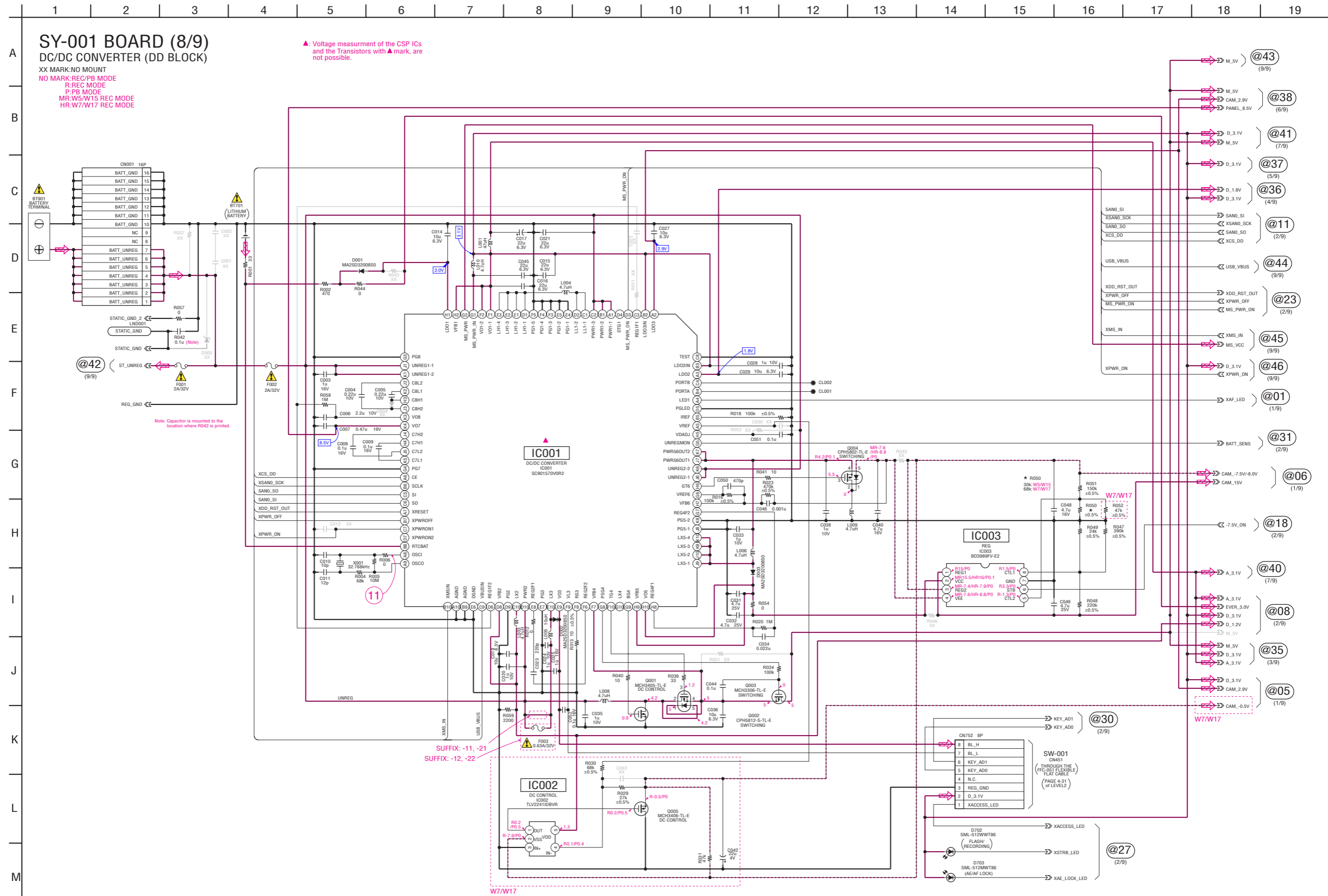
**For Schematic Diagram**  
 • Refer to page 4-39 to 4-42 for printed wiring board.





**For Schematic Diagram**

- Refer to page 4-39 to 4-42 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.

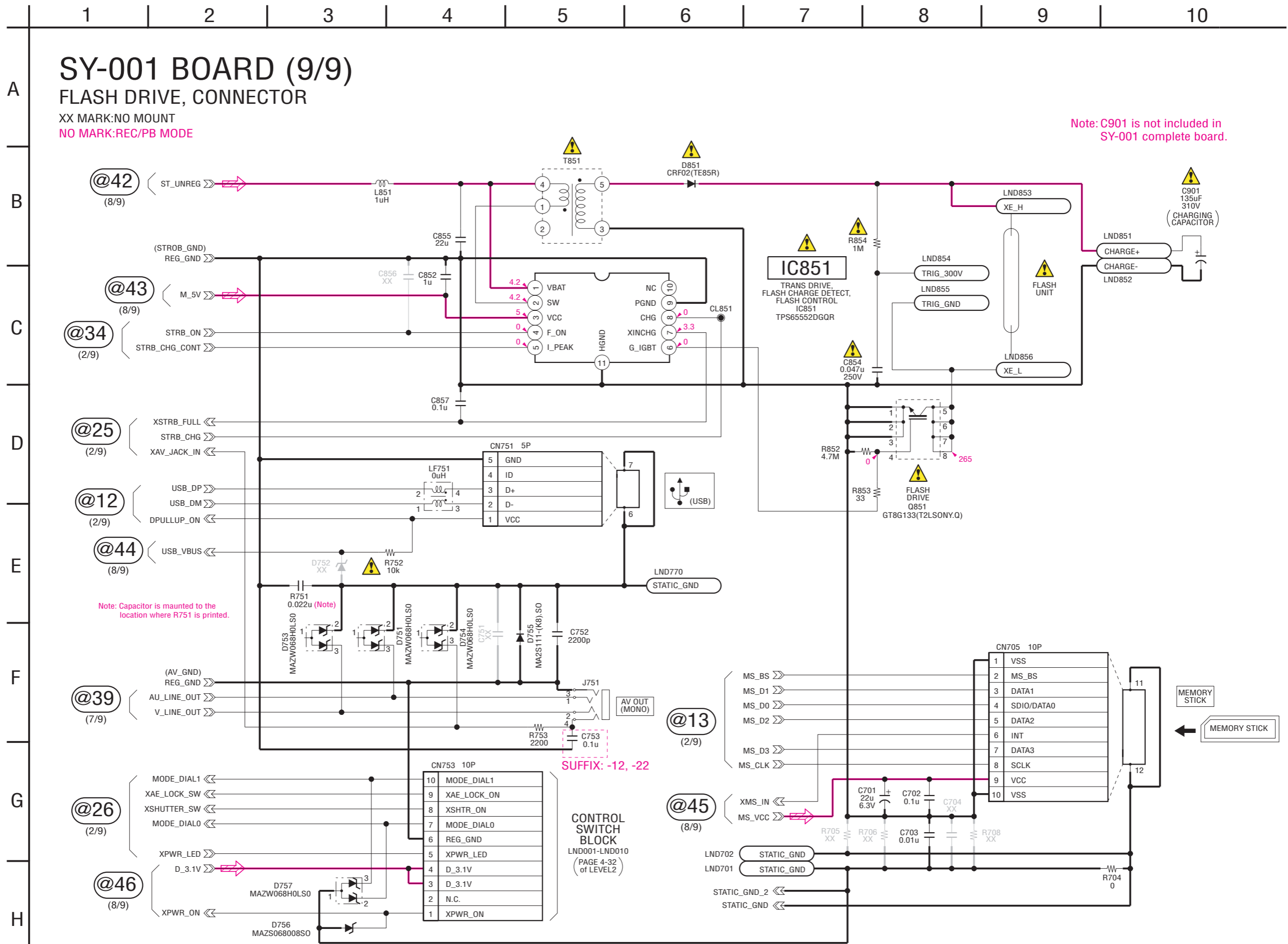
Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

# SY-001 BOARD (9/9)

## FLASH DRIVE, CONNECTOR

XX MARK:NO MOUNT  
 NO MARK:REC/PB MODE

Note: C901 is not included in SY-001 complete board.



Note: Capacitor is mounted to the location where R751 is printed.

SUFFIX: -12, -22

CONTROL SWITCH BLOCK  
 LND001-LND010  
 (PAGE 4-32 of LEVEL2)

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

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



## 4-3. PRINTED WIRING BOARDS

### Link

• CH-168 BOARD	• SY-001 BOARD (SIDE B)
• SY-001 BOARD (SIDE A)	
• COMMON NOTE FOR PRINTED WIRING BOARDS	
• WAVEFORMS	• MOUNTED PARTS LOCATION

Board Name	Function
CH-168 (included in SY-001)	CCD SIGNAL PROCESS
SY-001 (Including CH-168)	CAMERA MODULE, CAMERA DSP, CPU, LENS DRIVE, BURST FLASH, SDRAM, AND FLASH, LCD DRIVE, AUDIO, VIDEO, DC/DC CONVERTER, FLASH DRIVE, CONNECTOR

## 4-3. PRINTED WIRING BOARDS

### 4-3. PRINTED WIRING BOARDS

**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

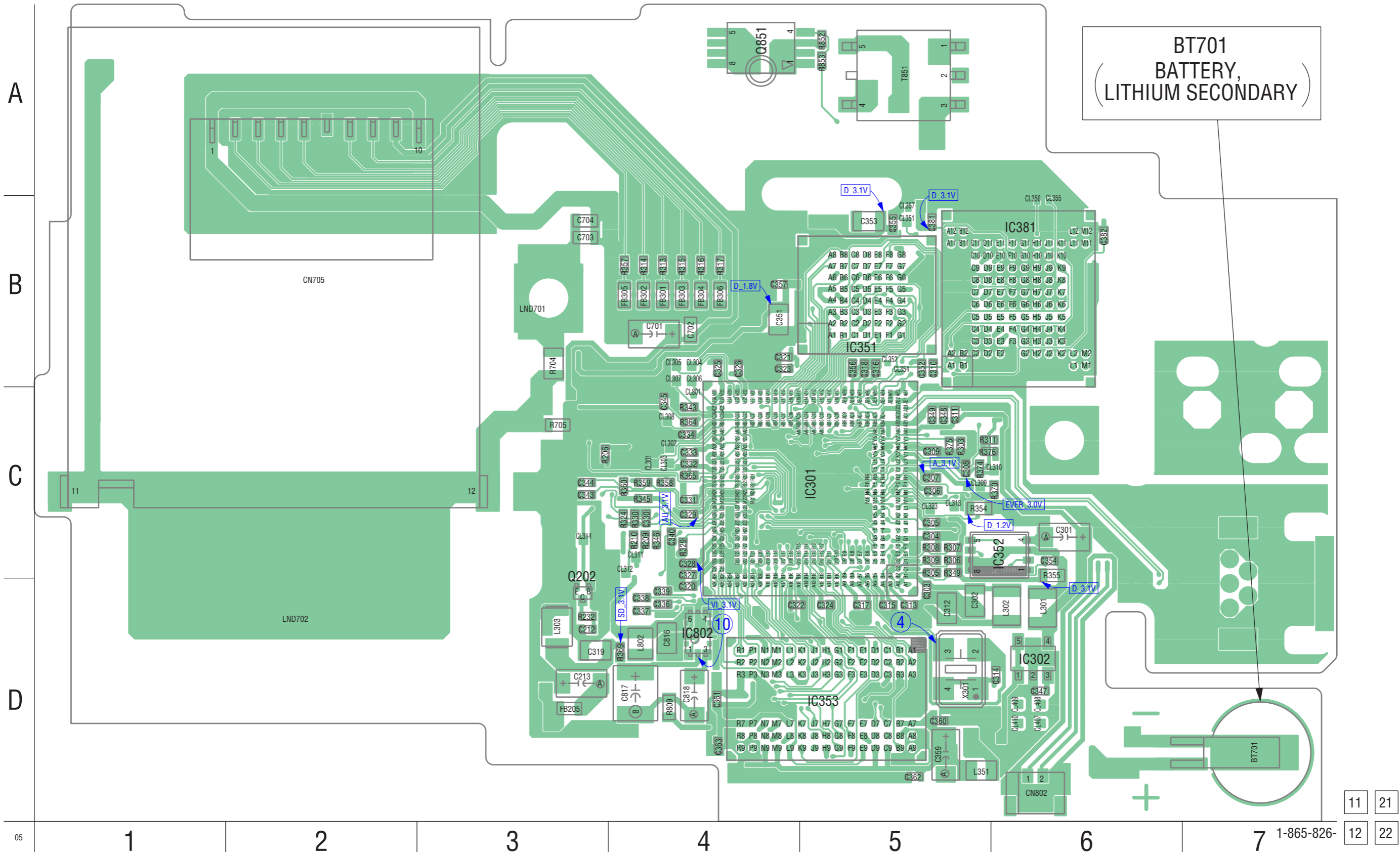
Diode

Board Name	Waveforms (Shown on page)	Parts Location (Shown on page)	Pattern	
			Total Number of Layers	Layers Not Indicated
CH-168	-	-	8 layers	2 to 7 layers
SY-001	4-45, 4-46	4-48	8 layers	2 to 7 layers

Note for Printed Wiring Board (See page 4-35).

 : Uses unleaded solder.

# SY-001 BOARD (SIDE A)



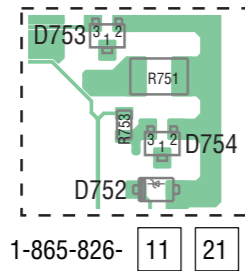
Note for Printed Wiring Board (See page 4-35).

: Uses unleaded solder.

# CH-168 BOARD (SIDE A) (SIDE B)

Note: CP201 (CH-168 board) is included in SY-001 complete board.

## SY-001 BOARD (SIDE B)



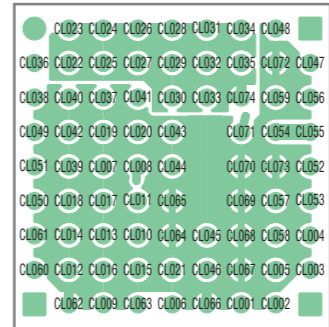
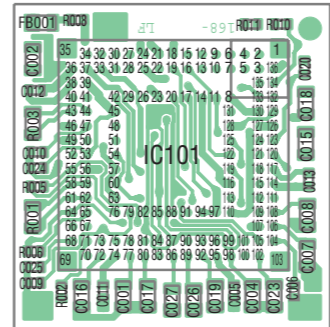
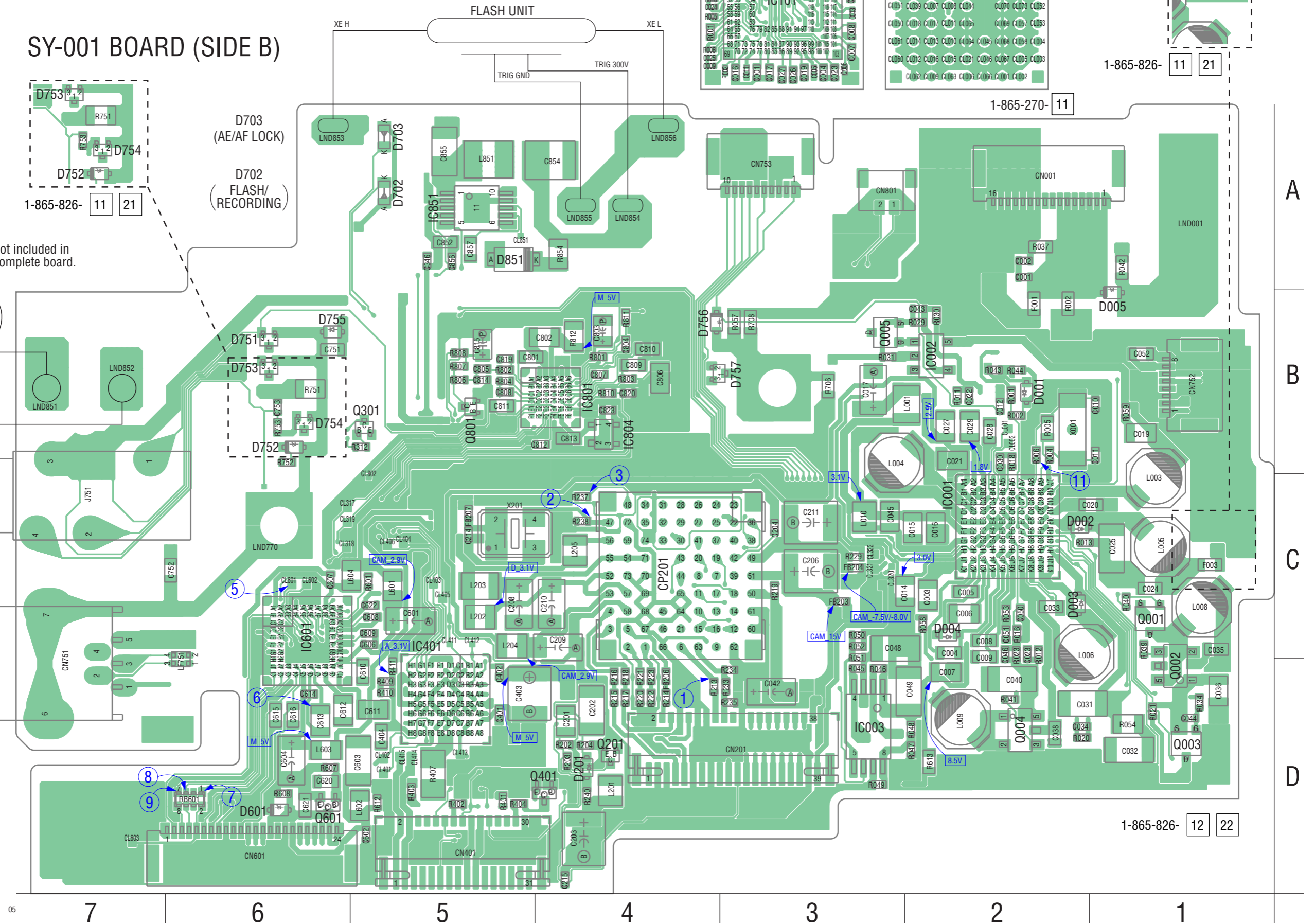
Note: C901 is not included in SY-001 complete board.

C901 (CHARGING CAPACITOR)



J751 AV OUT (MONO)

CN751 (USB)



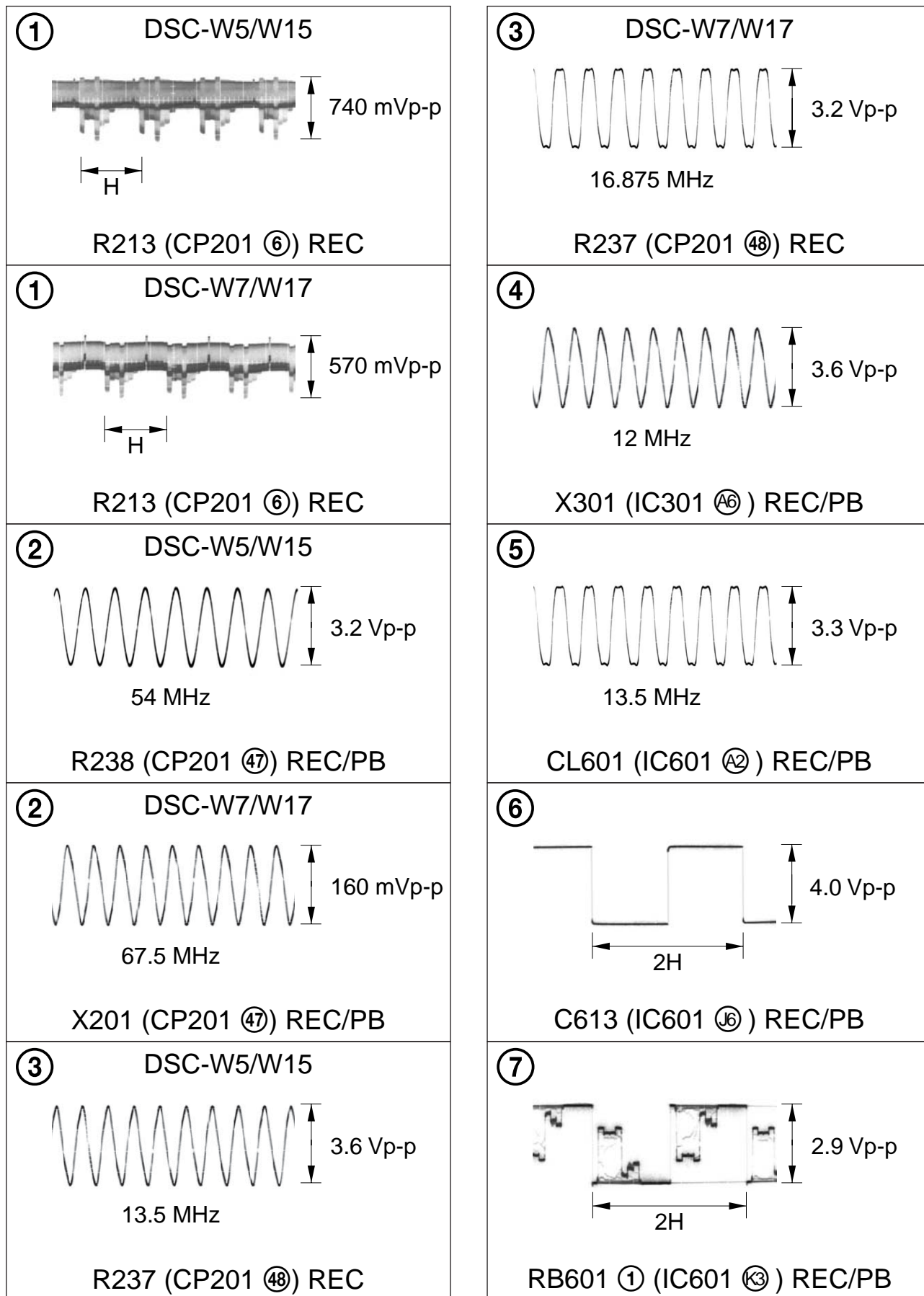
1-865-826- 11 21

1-865-270- 11

1-865-826- 12 22

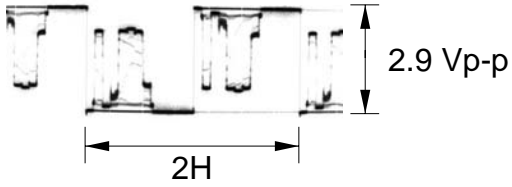
## 4-4. WAVEFORMS

SY-001 BOARD (1/2)



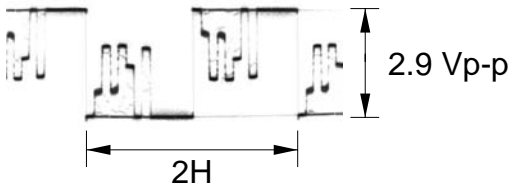
## SY-001BOARD (2/2)

⑧



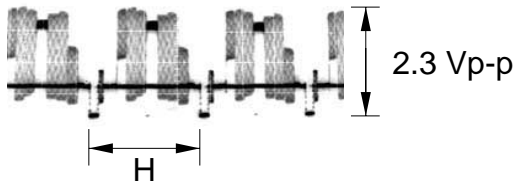
RB601 ⑤ (IC601 ⑫) REC/PB

⑨



RB601 ⑦ (IC601 ⑪) REC/PB

⑩



IC802 ② REC/PB (A/V JACK IN)

⑪



X001 (IC001 ⑧) REC/PB

## 4-3. PRINTED WIRING BOARDS

### 4-5. MOUNTED PARTS LOCATION

no mark : side A  
\* mark : side B

#### SY-001 BOARD

BT701	D-7	C325	B-4	* C820	B-4	* L203	C-5	R232	D-3
* C001	A-2	C326	B-4	* C823	B-4	* L204	C-5	* R233	D-3
* C002	A-2	C327	C-4	* C852	A-5	* L205	C-4	* R234	D-3
* C003	C-2	C328	C-4	* C854	A-4	L301	D-6	* R235	D-3
* C004	C-2	C329	C-4	* C855	A-5	L302	D-6	* R237	C-4
* C005	C-2	C330	C-4	* C856	A-5	L303	D-3	* R238	C-4
* C006	C-2	C331	C-4	* C857	A-5	L351	D-5	* R240	D-4
* C007	D-2	C332	C-4	* C901	B-7	* L601	C-5	R303	C-5
* C008	C-2	C333	C-4			* L602	D-5	R305	C-5
* C009	C-2	C334	C-4	* CN001	A-2	* L603	D-6	R306	C-5
* C010	B-1	C336	D-4	* CN201	D-3	* L604	C-5	R307	C-5
* C011	B-1	C337	D-4	* CN401	D-5	L802	D-4	R308	C-5
* C012	B-2	C338	D-4	* CN601	D-6	* L851	A-5	R309	C-5
* C014	C-2	C339	D-4	CN705	B-2			R311	C-5
* C015	C-2	C340	C-4	* CN751	D-7	* LF751	D-6	* R312	B-5
* C016	C-2	C343	C-3	* CN752	B-1			R313	B-4
* C017	B-3	C344	C-3	* CN753	A-3	* Q001	C-1	R314	B-4
* C019	B-1	C345	C-4	* CN801	A-3	* Q002	D-1	R315	B-4
* C020	C-2	* C346	A-5	CN802	D-6	* Q003	D-1	R316	B-4
* C021	B-2	C347	D-6			* Q004	D-2	R317	B-4
* C022	B-2	C348	C-5	* CP201	C-4	* Q005	B-3	R324	C-4
* C023	C-2	C349	C-5			* Q201	D-4	R329	C-4
* C024	C-1	C351	B-4	* D001	B-2	Q202	D-3	R330	C-4
* C025	C-1	C352	B-5	* D002	C-2	* Q301	B-5	R343	C-4
* C027	B-2	C353	B-5	* D003	C-2	* Q401	D-4	R345	C-4
* C028	B-2	C354	C-6	* D004	C-2	* Q601	D-6	R346	C-4
* C029	B-2	C355	B-5	* D005	B-1	* Q801	B-5	R349	C-5
* C030	B-2	C356	B-5	* D201	D-4	Q851	A-4	R354	C-5
* C031	D-2	C357	B-4	* D601	D-6			R355	C-6
* C032	D-1	C359	D-5	* D702	A-5	* R001	B-2	R357	B-4
* C033	C-2	C360	D-5	* D703	A-5	* R002	B-2	R358	C-4
* C034	D-2	C361	D-4	* D751	B-6	* R004	B-2	R359	C-4
* C035	C-1	C362	D-5	* D752	B-6	* R005	B-2	R360	C-4
* C036	D-1	C363	D-4	* D753	B-6	* R006	B-2	R364	C-4
* C038	D-2	C381	B-5	* D754	B-6	* R011	B-2	R365	C-4
* C040	D-2	C382	B-6	* D755	B-6	* R012	C-2	R369	D-4
* C042	D-3	* C401	D-5	* D756	B-4	* R013	C-2	R370	C-6
* C043	B-2	* C402	D-5	* D757	B-3	* R016	C-2	R374	C-5
* C044	D-1	* C403	D-5	* D851	A-5	* R018	B-2	R375	C-5
* C045	C-3	* C404	D-5			* R020	D-2	R376	C-5
* C046	C-2	* C601	C-5	* F001	B-2	* R021	D-1	* R401	D-5
* C048	C-3	* C602	D-5	* F002	B-2	* R023	C-2	* R402	D-5
* C049	D-2	* C603	D-5	* F003	C-1	* R029	B-2	* R403	D-5
* C050	C-2	* C604	D-6			* R030	B-2	* R404	D-5
* C051	C-2	* C606	C-5	* FB203	C-3	* R031	B-3	* R407	D-5
* C052	B-1	* C607	C-6	* FB204	C-3	* R034	D-1	* R409	D-5
* C201	D-4	* C608	C-5	FB205	D-3	* R037	A-2	* R410	D-5
* C202	D-4	* C609	C-5	* FB206	D-4	* R039	C-1	* R411	D-5
* C203	D-4	* C610	D-5	* FB207	C-5	* R040	C-1	* R601	C-5
* C204	C-3	* C611	D-5	FB301	B-4	* R041	D-2	* R607	D-6
* C206	C-3	* C612	D-6	FB302	B-4	* R042	A-1	* R608	D-6
* C208	C-5	* C613	D-6	FB303	B-4	* R043	B-2	* R612	D-5
* C209	C-4	* C614	D-6	FB304	B-4	* R044	B-2	* R613	D-2
* C210	C-4	* C615	D-6	FB305	B-4	* R045	D-3	R704	B-3
* C211	C-3	* C616	D-6	FB306	B-4	* R046	D-3	R705	C-3
C212	D-3	* C620	D-6			* R047	D-2	* R706	B-3
C213	D-3	* C621	D-6	* IC001	C-2	* R048	D-2	* R708	B-3
* C214	C-5	* C622	C-5	* IC002	B-2	* R049	D-3	* R751	B-6
* C215	D-4	C701	B-4	* IC003	D-3	* R050	C-3	* R752	B-6
C301	C-6	C702	B-4	IC301	C-5	* R051	C-3	* R753	B-6
C302	D-5	C703	B-3	IC302	D-6	* R052	C-3	* R801	B-4
C303	D-5	C704	B-3	IC351	B-5	* R053	C-2	* R802	B-5
C304	C-5	* C751	B-6	IC352	C-6	* R054	D-1	* R803	B-4
C305	C-5	* C752	C-6	IC353	D-5	* R057	B-3	* R804	B-5
C306	C-5	* C753	B-6	IC381	B-6	* R058	C-2	* R806	B-5
C307	C-5	* C801	B-5	* IC401	D-5	* R059	B-1	* R807	B-5
C308	C-5	* C802	B-4	* IC601	C-6	* R202	D-4	* R808	B-5
C309	C-5	* C803	B-4	* IC801	B-4	* R203	D-4	R809	D-4
C310	B-5	* C804	B-4	IC802	D-4	* R204	D-4	* R810	B-4
C311	C-5	* C805	B-5	* IC804	B-4	R206	C-3	* R811	B-4
C312	D-5	* C806	B-4	* IC851	A-5	R209	C-4	* R812	B-4
C313	D-5	* C807	B-4			R210	C-4	R852	A-5
C314	D-6	* C808	B-5	* J751	C-7	* R213	D-4	R853	A-5
C315	D-5	* C809	B-4			* R214	D-4	* R854	A-4
C316	B-5	* C810	B-4	* L001	B-2	* R215	D-4		
C317	D-5	* C811	B-5	* L003	C-1	* R216	D-4	* RB601	D-6
C318	B-5	* C812	B-4	* L004	B-3	* R217	D-4		
C319	D-3	* C813	B-4	* L005	C-1	* R218	D-4	T851	A-5
C320	D-4	* C814	B-5	* L006	C-2	* R219	C-3		
C321	B-4	* C815	B-5	* L008	C-1	* R220	D-4	* X001	B-2
C322	D-4	* C816	D-4	* L009	D-2	* R221	D-4	* X201	C-5
C323	B-4	* C817	D-4	* L010	C-3	* R222	D-4	X301	D-5
C324	D-5	* C818	D-4	* L201	D-4	* R223	D-4		
		* C819	B-5	* L202	C-5	* R229	C-3		

## 5. REPAIR PARTS LIST

### NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- CAPACITORS:  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H
- RESISTORS  
All resistors are in ohms.  
METAL: metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A... , uPA... ,  $\mu$ PA... ,  
uPB... ,  $\mu$ PB... , uPC... ,  $\mu$ PC... ,  
uPD... ,  $\mu$ PD...
- Abbreviation  
AR : Argentine model  
AUS : Australian model  
BR : Brazilian model  
CH : Chinese model  
CND: Canadian model  
HK : Hong Kong model  
J : Jpanese model  
JE : Tourist model  
KR : Korean model

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.



Ref. No.	Part No.	Description			
CP201	A-1096-988-A	CH-168 BOARD, COMPLETE (W5/W15)			
CP201	A-1096-989-A	CH-168 BOARD, COMPLETE (W7/W17)			
		*****			
		(CH-168 board (CP201) is included in SY-001 complete board.)			
		< CAPACITOR >			
C002	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C005	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C006	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C007	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C008	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C009	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C010	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C011	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C012	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C013	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C015	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C018	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C019	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C020	1-128-632-91	CERAMIC CHIP	0.01uF	10%	6.3V
C024	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C025	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C026	1-100-505-11	CERAMIC CHIP	0.1uF	20%	16V
C027	1-100-505-11	CERAMIC CHIP	0.1uF	20%	16V
		< FERRITE BEAD >			
FB001	1-469-581-21	INDUCTOR, FERRITE BEAD (1005)			
		< IC >			
IC101	(Not supplied)	IC CXD3434AGA-T4 (W5/W15)			
IC101	(Not supplied)	IC CXD3436GA-T4 (W7/W17)			
		< RESISTOR >			
R003	1-218-941-81	RES-CHIP	100	5%	1/16W
R008	1-240-683-91	METAL CHIP	100	5%	1/20W

Ref. No.	Part No.	Description
	A-1096-995-A	SY-001 BOARD, COMPLETE (SERVICE) (GP1) (W5: J)
	A-1096-996-A	SY-001 BOARD, COMPLETE (SERVICE) (GP2) (W5: US, CND, AUS /W15: AUS)
	A-1096-997-A	SY-001 BOARD, COMPLETE (SERVICE) (GP1) (W7: J)
	A-1096-998-A	SY-001 BOARD, COMPLETE (SERVICE) (GP2) (W7: US, CND, AUS/W17: AUS)
	A-1097-361-A	SY-001 BOARD, COMPLETE (SERVICE) (GP3) (W5: AEP, UK/W15: AEP, UK)
	A-1097-362-A	SY-001 BOARD, COMPLETE (SERVICE) (GP4) (W5: AR, BR, E/W15:E)
	A-1097-363-A	SY-001 BOARD, COMPLETE (SERVICE) (GP5) (W5: CH, HK, KR, JE/W15: CH, HK, KR, JE)
	A-1097-364-A	SY-001 BOARD, COMPLETE (SERVICE) (GP3) (W7: AEP, UK/W17: AEP, UK)
	A-1097-365-A	SY-001 BOARD, COMPLETE (SERVICE) (GP4) (W7: AR, BR, E/W17: E)
	A-1097-366-A	SY-001 BOARD, COMPLETE (SERVICE) (GP5) (W7: CN, HK, KR, JE/W17: HK, KR, JE)
*****		
(This complete board is including CP201 (CH-168 board).)		
(This complete board is not including C901 (charging capacitor).)		
CP201	A-1096-988-A	CH-168 BOARD, COMPLETE (W5/W15)
CP201	A-1096-989-A	CH-168 BOARD, COMPLETE (W7/W17)
< BATTERY >		
△BT701	1-528-999-61	BATTERY, LITHIUM SECONDARY
< CAPACITOR >		
C003	1-127-573-11	CERAMIC CHIP 1uF 10% 16V
C004	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V
C005	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V
C006	1-125-889-91	CERAMIC CHIP 2.2uF 10% 10V
C007	1-107-823-11	CERAMIC CHIP 0.47uF 10% 16V
C008	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
C009	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V
C010	1-164-850-11	CERAMIC CHIP 10PF 0.5PF 50V
C011	1-164-852-11	CERAMIC CHIP 12PF 5% 50V
C014	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C015	1-100-611-91	CERAMIC CHIP 22uF 20% 6.3V
C016	1-100-611-91	CERAMIC CHIP 22uF 20% 6.3V
C017	1-119-750-11	TANTAL. CHIP 22uF 20% 6.3V
C019	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C020	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C021	1-100-611-91	CERAMIC CHIP 22uF 20% 6.3V
C023	1-164-933-11	CERAMIC CHIP 220PF 10% 50V
C024	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C025	1-107-682-11	CERAMIC CHIP 1uF 10% 16V
C027	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C028	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C029	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C031	1-100-671-11	CERAMIC CHIP 4.7uF 20% 25V
C032	1-100-671-11	CERAMIC CHIP 4.7uF 20% 25V
C033	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C034	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V
C035	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C036	1-137-710-11	CERAMIC CHIP 10uF 20% 6.3V
C038	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C040	1-127-820-11	CERAMIC CHIP 4.7uF 10% 16V
C042	1-104-847-11	TANTAL. CHIP 22uF 20% 4V

Ref. No.	Part No.	Description			
					(W7/W17)
C044	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C045	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C046	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C048	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C049	1-100-671-11	CERAMIC CHIP	4.7uF	20%	25V
C050	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C051	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C201	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C202	1-137-988-91	CERAMIC CHIP	1uF	10%	35V
C203	1-113-992-11	TANTAL. CHIP	3.3uF	20%	35V
C206	1-113-992-11	TANTAL. CHIP	3.3uF	20%	35V
C208	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C209	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C210	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C211	1-119-751-11	TANTAL. CHIP	22uF	20%	16V
C212	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C213	1-137-910-11	TANTAL. CHIP	10uF	20%	16V
C214	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
					(W7/W17)
C301	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V
C302	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C303	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C304	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C305	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C306	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C307	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C308	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C309	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C310	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C311	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C312	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C313	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C314	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C315	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C316	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C317	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C320	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C321	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C322	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C323	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C324	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C325	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C326	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C327	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C328	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C329	1-100-506-91	CERAMIC CHIP	1uF	20%	6.3V
C330	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C331	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C332	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C333	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C334	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C338	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C339	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C340	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C345	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C353	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V

<p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p>	<p>Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.</p>
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# SY-001

Ref. No.	Part No.	Description			
C355	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C356	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C357	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C359	1-135-259-11	TANTAL. CHIP	10uF	20%	6.3V
C360	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C361	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C362	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C363	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C381	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C401	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C403	1-100-663-11	TANTAL. CHIP	22uF	20%	10V
C601	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C603	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C604	1-104-851-11	TANTAL. CHIP	10uF	20%	10V
C606	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C607	1-100-506-91	CERAMIC CHIP	1uF	20%	6.3V
C608	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C609	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C611	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C612	1-165-646-91	CERAMIC CHIP	3.3uF	10%	10V
C613	1-127-760-11	CERAMIC CHIP	4.7uF	10%	6.3V
C614	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C615	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C621	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C701	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V
C702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C703	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C752	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C753	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
(SUFFIX: -12, -22)					
C801	1-125-891-61	CERAMIC CHIP	0.47uF	10%	10V
C802	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C803	1-117-919-11	TANTAL. CHIP	10uF	20%	6.3V
C804	1-117-614-81	CERAMIC CHIP	8200PF	10%	16V
C806	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C807	1-117-614-81	CERAMIC CHIP	8200PF	10%	16V
C808	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C809	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C810	1-125-837-61	CERAMIC CHIP	1uF	10%	6.3V
C811	1-125-837-61	CERAMIC CHIP	1uF	10%	6.3V
C812	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C813	1-165-884-91	CERAMIC CHIP	2.2uF	10%	6.3V
C816	1-137-710-11	CERAMIC CHIP	10uF	20%	6.3V
C817	1-128-964-91	TANTAL. CHIP	100uF	20%	6.3V
C818	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V
C819	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C820	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C823	1-100-506-91	CERAMIC CHIP	1uF	20%	6.3V
C852	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
△C854	1-137-723-21	CERAMIC CHIP	0.047uF	10%	250V
C855	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C857	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
△C901	1-112-169-11	CAP, ELECT	135uF		310V
< CONNECTOR >					
CN001	1-816-646-31	FFC/FPC CONNECTOR (LIF) 16P			
CN201	1-817-544-31	CONNECTOR, FPC (ZIF) 39P			
CN401	1-815-332-11	CONNECTOR, FPC (ZIF) 31P			
CN601	1-816-650-31	FFC/FPC CONNECTOR (LIF) 24P			
CN705	1-815-572-61	CONNECTOR, MEMORY STICK			

Ref. No.	Part No.	Description
CN751	1-794-962-11	CONNECTOR, SQUARE TYPE (USB 5P)
CN752	1-817-549-11	CONNECTOR, FPC (LIF (NON-ZIF)) 8P
CN753	1-817-705-11	CONNECTOR, FPC (LIF (NON-ZIF)) 10P
CN801	1-794-375-21	PIN, CONNECTOR 2P
CN802	1-794-375-21	PIN, CONNECTOR 2P
< DIODE >		
D001	6-500-813-01	DIODE MA2SD32008S0
D002	6-500-813-01	DIODE MA2SD32008S0
D003	6-500-813-01	DIODE MA2SD32008S0
D201	8-719-056-23	DIODE MA2S111-(K8).SO
D601	6-500-941-01	DIODE MAZS056008S0
D702	6-500-252-01	DIODE SML-512WWT86
(FLASH/RECORDING)		
D703	6-500-287-01	DIODE SML-512MWT86 (AE/AF LOCK)
D751	6-500-776-01	DIODE MAZW068H0LS0
D753	6-500-776-01	DIODE MAZW068H0LS0
D754	6-500-776-01	DIODE MAZW068H0LS0
D755	8-719-056-23	DIODE MA2S111-(K8).SO
D756	8-719-056-54	DIODE MAZS068008S0
D757	6-500-776-01	DIODE MAZW068H0LS0
△D851	6-501-096-01	DIODE CRF02 (TE85R)
< FUSE >		
△F001	1-576-415-21	FUSE (2A/32V)
△F002	1-576-415-21	FUSE (2A/32V)
△F003	1-576-842-11	FUSE, MICRO (0.63A/32V) (SUFFIX: -12, -22)
< FERRITE BEAD >		
FB203	1-469-082-21	INDUCTOR, FERRITE BEAD (1005)
FB204	1-469-082-21	INDUCTOR, FERRITE BEAD (1005)
FB205	1-414-228-11	INDUCTOR, FERRITE BEAD
FB206	1-400-620-21	INDUCTOR, FERRITE BEAD (1005) (W7/W17)
FB206	1-400-722-11	INDUCTOR, FERRITE BEAD (1005) (W5/W15)
FB207	1-469-083-21	INDUCTOR, FERRITE BEAD (1005) (W7/W17)
FB301	1-500-283-11	INDUCTOR, FERRITE BEAD
FB302	1-500-283-11	INDUCTOR, FERRITE BEAD
FB303	1-500-283-11	INDUCTOR, FERRITE BEAD
FB304	1-500-283-11	INDUCTOR, FERRITE BEAD
FB305	1-500-283-11	INDUCTOR, FERRITE BEAD
FB306	1-500-284-21	INDUCTOR, FERRITE BEAD
< IC >		
IC001	6-707-916-01	IC SC901570V0R2
IC002	6-706-522-01	IC TLV2241IDBVR (W7/W17)
IC003	6-707-857-01	IC BD3989FV-E2
IC301	8-753-237-87	IC CXD3188GG-T6
IC351	(Not supplied)	IC PH28F320W30TD70-A01 (W5/W15)
IC351	(Not supplied)	IC S99-50031-01-ER (W7/W17)
IC353	6-707-091-01	IC EDS2532AABJ-75TT-E
IC381	6-707-041-01	IC HN29V256A0BBP-30
IC401	6-703-889-01	IC M50237WG-DF0T (W5/W15)
IC401	6-706-005-01	IC BD6756GLV-E2 (W7/W17)
IC601	8-753-228-25	IC CXM3012GA-T2
IC801	6-707-336-01	IC BH6414GLU-E2
IC802	6-704-365-01	IC NJM2578KJ1 (TE3)
IC804	6-702-281-01	IC R1141Q281B-TR-FA
△IC851	6-707-554-01	IC TPS65552DGQR

DSC-W5/W7/W15/W17

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			
		< JACK >			
J751	1-793-620-41	JACK (AV OUT (MONO))			
		< COIL >			
L001	1-400-145-21	INDUCTOR	47uH		
L003	1-456-499-11	INDUCTOR	4.7uH		
L004	1-456-499-11	INDUCTOR	4.7uH		
L005	1-456-500-11	INDUCTOR	10uH		
L006	1-456-499-11	INDUCTOR	4.7uH		
L008	1-456-499-11	INDUCTOR	4.7uH		
L009	1-456-499-11	INDUCTOR	4.7uH		
L010	1-469-553-21	INDUCTOR	4.7uH		
L201	1-469-561-21	INDUCTOR	100uH		
L202	1-469-555-21	INDUCTOR	10uH		
L203	1-400-073-21	INDUCTOR	4.7uH (W5/W15)		
L203	1-469-967-21	INDUCTOR	10uH (W7/W17)		
L204	1-469-555-21	INDUCTOR	10uH		
L205	1-469-555-21	INDUCTOR	10uH		
L301	1-469-967-21	INDUCTOR	10uH		
L302	1-469-967-21	INDUCTOR	10uH		
L351	1-400-677-11	INDUCTOR	47uH		
L601	1-469-570-11	INDUCTOR	10uH		
L602	1-469-847-11	INDUCTOR	100uH		
L603	1-469-570-11	INDUCTOR	10uH		
L604	1-469-570-11	INDUCTOR	10uH		
L802	1-469-555-21	INDUCTOR	10uH		
L851	1-412-026-11	INDUCTOR	1uH		
		< LINE FILTER >			
LF751	1-456-583-11	COMMON MODE CHOKE COIL			
		< TRANSISTOR >			
Q001	8-729-056-01	TRANSISTOR	MCH3405-TL-E		
Q002	6-550-351-01	TRANSISTOR	CPH5812-S-TL-E		
Q003	8-729-055-89	TRANSISTOR	MCH3306-TL-E		
Q004	8-729-053-76	TRANSISTOR	CPH5802-TL-E		
Q005	8-729-055-88	TRANSISTOR	MCH3406-TL-E (W7/W17)		
Q201	6-550-119-01	TRANSISTOR	DTC144EMT2L		
Q202	6-550-119-01	TRANSISTOR	DTC144EMT2L		
Q301	6-550-119-01	TRANSISTOR	DTC144EMT2L		
Q401	8-729-042-62	TRANSISTOR	UN9116J-(K8).SO		
△ Q851	6-550-891-01	TRANSISTOR	GT8G133 (T2LSONY.Q)		
		< RESISTOR >			
R001	1-218-935-11	RES-CHIP	33	5%	1/16W
R002	1-218-949-11	RES-CHIP	470	5%	1/16W
R004	1-218-975-11	RES-CHIP	68K	5%	1/16W
R005	1-219-570-11	METAL CHIP	10M	5%	1/10W
R006	1-218-990-11	SHORT CHIP	0		
R012	1-218-990-11	SHORT CHIP	0		
R013	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R016	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R018	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R020	1-218-989-11	RES-CHIP	1M	5%	1/16W
R023	1-218-985-11	RES-CHIP	470K	5%	1/16W
R029	1-218-970-11	RES-CHIP	27K	5%	1/16W
					(W7/W17)
R030	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
					(W7/W17)

Ref. No.	Part No.	Description			
R031	1-218-973-11	RES-CHIP	47K	5%	1/16W
					(W7/W17)
R034	1-218-977-11	RES-CHIP	100K	5%	1/16W
R039	1-218-935-11	RES-CHIP	33	5%	1/16W
R040	1-218-929-11	RES-CHIP	10	5%	1/16W
R041	1-218-929-11	RES-CHIP	10	5%	1/16W
R042	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
					(Note 1)
R044	1-218-990-11	SHORT CHIP	0		
R047	1-208-949-11	METAL CHIP	390K	0.5%	1/16W
R048	1-208-943-11	METAL CHIP	220K	0.5%	1/16W
R049	1-208-920-81	METAL CHIP	24K	0.5%	1/16W
R050	1-208-922-11	METAL CHIP	30K	0.5%	1/16W
					(W5/W15)
R050	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
					(W7/W17)
R051	1-208-939-11	METAL CHIP	150K	0.5%	1/16W
R052	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
					(W7/W17)
R054	1-216-295-91	SHORT CHIP	0		
R057	1-216-864-11	SHORT CHIP	0		
R058	1-218-989-11	RES-CHIP	1M	5%	1/16W
R059	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R202	1-218-989-11	RES-CHIP	1M	5%	1/16W
R203	1-218-979-11	RES-CHIP	150K	5%	1/16W
					(W7/W17)
R203	1-218-981-11	RES-CHIP	220K	5%	1/16W
					(W5/W15)
R204	1-218-977-11	RES-CHIP	100K	5%	1/16W
R206	1-218-953-11	RES-CHIP	1K	5%	1/16W
R209	1-218-945-11	RES-CHIP	220	5%	1/16W
R210	1-218-945-11	RES-CHIP	220	5%	1/16W
R213	1-218-990-11	SHORT CHIP	0		
R214	1-218-933-11	RES-CHIP	22	5%	1/16W
					(W5/W15)
R214	1-218-935-11	RES-CHIP	33	5%	1/16W
					(W7/W17)
R215	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R216	1-218-990-11	SHORT CHIP	0 (W5/W15)		
R216	1-400-723-11	INDUCTOR, FERRITE BEAD (1005)			(Note 2)
					(W7/W17)
R217	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R218	1-218-990-11	SHORT CHIP	0 (W5/W15)		
R218	1-400-723-11	INDUCTOR, FERRITE BEAD (1005)			(Note 2)
					(W7/W17)
R219	1-218-990-11	SHORT CHIP	0 (W5/W15)		
R220	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R221	1-218-990-11	SHORT CHIP	0 (W5/W15)		
R221	1-400-723-11	INDUCTOR, FERRITE BEAD (1005)			(Note 2)
					(W7/W17)
R222	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R223	1-218-990-11	SHORT CHIP	0 (W5/W15)		
R223	1-400-723-11	INDUCTOR, FERRITE BEAD (1005)			(Note 2)
					(W7/W17)

Note 1: Capacitor is mounted to the location where R042 is printed.

Note 2: Ferrite beads are mounted to the location where R216, R218, R221 and R223 are printed. (W7/W17 only)

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.
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**SY-001**

Ref. No.	Part No.	Description			
R229	1-218-977-11	RES-CHIP	100K	5%	1/16W
R232	1-218-953-11	RES-CHIP	1K	5%	1/16W (W7/W17)
R232	1-218-955-11	RES-CHIP	1.5K	5%	1/16W (W5/W15)
R233	1-218-990-11	SHORT CHIP	0		
R234	1-218-990-11	SHORT CHIP	0		
R237	1-218-945-11	RES-CHIP	220	5%	1/16W
R238	1-218-990-11	SHORT CHIP	0 (W5/W15)		
R240	1-218-929-11	RES-CHIP	10	5%	1/16W
R303	1-208-679-11	METAL CHIP	680	0.5%	1/16W
R305	1-218-990-11	SHORT CHIP	0 (W5/W15)		
R306	1-218-990-11	SHORT CHIP	0		
R307	1-218-990-11	SHORT CHIP	0		
R311	1-218-973-11	RES-CHIP	47K	5%	1/16W
R312	1-218-965-11	RES-CHIP	10K	5%	1/16W
R313	1-218-941-81	RES-CHIP	100	5%	1/16W
R314	1-218-941-81	RES-CHIP	100	5%	1/16W
R315	1-218-941-81	RES-CHIP	100	5%	1/16W
R316	1-218-941-81	RES-CHIP	100	5%	1/16W
R317	1-218-942-11	RES-CHIP	120	5%	1/16W
R324	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R329	1-218-973-11	RES-CHIP	47K	5%	1/16W
R330	1-208-943-11	METAL CHIP	220K	0.5%	1/16W
R345	1-218-965-11	RES-CHIP	10K	5%	1/16W
R346	1-218-965-11	RES-CHIP	10K	5%	1/16W
R349	1-218-990-11	SHORT CHIP	0 (W7/W17)		
R354	1-216-864-11	SHORT CHIP	0		
R355	1-216-864-11	SHORT CHIP	0		
R357	1-218-941-81	RES-CHIP	100	5%	1/16W
R359	1-218-990-11	SHORT CHIP	0		
R360	1-218-990-11	SHORT CHIP	0		
R364	1-218-965-11	RES-CHIP	10K	5%	1/16W
R369	1-218-990-11	SHORT CHIP	0		
R376	1-218-985-11	RES-CHIP	470K	5%	1/16W
R401	1-218-948-11	RES-CHIP	390	5%	1/16W
R402	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R403	1-208-675-11	METAL CHIP	470	0.5%	1/16W
R404	1-218-948-11	RES-CHIP	390	5%	1/16W
R407	1-245-558-11	METAL CHIP	2.5	0.5%	1/2W
R409	1-208-893-11	METAL CHIP	1.8K	0.5%	1/16W
R411	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R601	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R608	1-218-989-11	RES-CHIP	1M	5%	1/16W
R612	1-218-975-11	RES-CHIP	68K	5%	1/16W
R613	1-216-864-11	SHORT CHIP	0		
R704	1-216-295-91	SHORT CHIP	0		
R751	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V (Note)
△R752	1-218-965-11	RES-CHIP	10K	5%	1/16W
R753	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R801	1-218-955-11	RES-CHIP	1.5K	5%	1/16W
R803	1-218-985-11	RES-CHIP	470K	5%	1/16W
R804	1-218-974-11	RES-CHIP	56K	5%	1/16W
R809	1-216-807-11	METAL CHIP	68	5%	1/10W
R810	1-218-962-11	RES-CHIP	5.6K	5%	1/16W
R811	1-218-990-11	SHORT CHIP	0		
R812	1-216-295-91	SHORT CHIP	0		
R852	1-243-975-81	METAL CHIP	4.7M	5%	1/16W
R853	1-218-935-11	RES-CHIP	33	5%	1/16W

Ref. No.	Part No.	Description			
△R854	1-216-121-11	RES-CHIP	1M	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB601	1-234-369-21	RES, NETWORK	10 (1005 x4)		
		< TRANSFORMER >			
△T851	1-443-648-21	TRANSFORMER, DC-DC CONVERTER			
		< VIBRATOR >			
X001	1-795-029-11	VIBRATOR, CRYSTAL (32.768kHz)			
X201	1-813-434-21	OSCILLATOR, CRYSTAL (67.5MHz) (W7/W17)			
X301	1-813-504-21	OSCILLATOR, CRYSTAL (12MHz)			

DSC-W5/W7/W15/W17

Note: Capacitor is mounted to the location where R751 is printed.

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.

# DSC-W5/W7/W15/W17

SONY®

LEVEL 3

## SERVICE MANUAL

Ver 1.1 2005.12

*DSC-W5/W7*

*US Model  
Canadian Model  
Argentine Model  
Brazilian Model  
Japanese Model*

*DSC-W5/W7/W15/W17*

*AEP Model  
UK Model  
E Model  
Australian Model  
Hong Kong Model  
Korea Model  
Tourist Model*

*DSC-W5/W7/W15*

*Chinese Model*

## SUPPLEMENT-1

File this supplement with the service manual.  
(PV05-071)

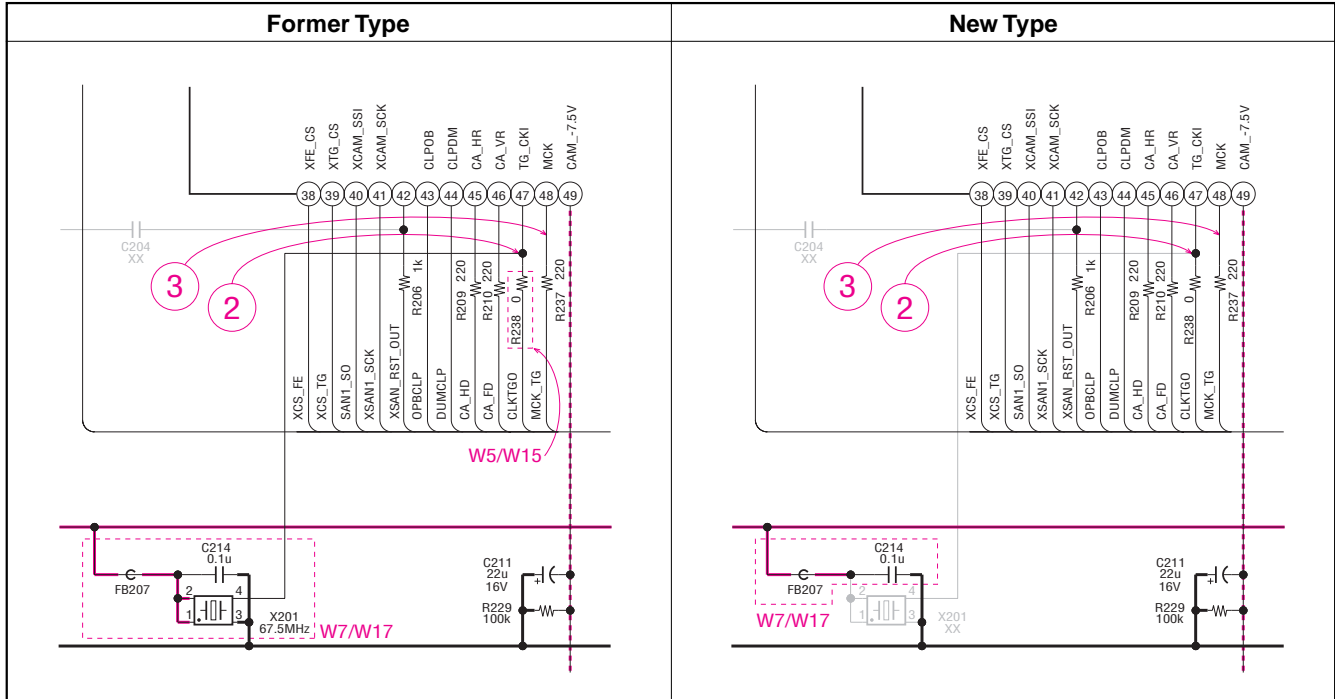
- Change of SCHEMATIC DIAGRAMS
- Change of REPAIR PARTS LIST

# 4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

## 4-2. SCHEMATIC DIAGRAMS

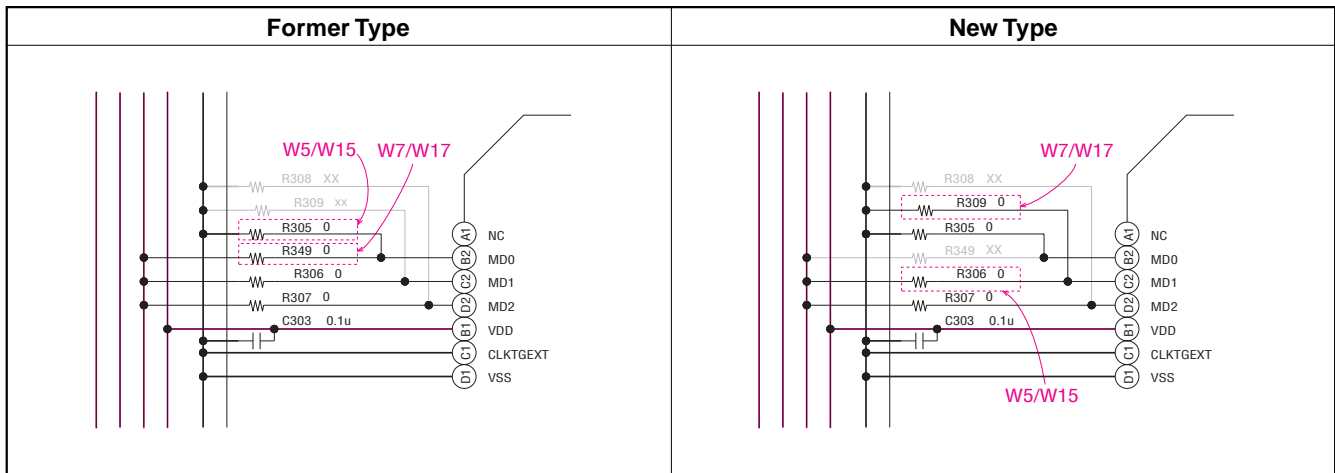
### SY-001 BOARD (1/9) (CAMERA MODULE (CH BLOCK))

(Service manual page 4-13, Location G-6 to J-9)



### SY-001 BOARD (2/9) (CAMERA DSP, CPU)

(Service manual page 4-15, Location D-2 to E-5)



## 5. REPAIR PARTS LIST

### 5-2. ELECTRICAL PARTS LIST

#### SY-001 BOARD

(Service manual page 5-12)

Former Type				New Type			
Ref. No.	Part No.	Description		Ref. No.	Part No.	Description	
R238	1-218-990-11	SHORT CHIP	0 (W5/W15)	R238	1-218-990-11	SHORT CHIP	0
R305	1-218-990-11	SHORT CHIP	0 (W5/W15)	R305	1-218-990-11	SHORT CHIP	0
R306	1-218-990-11	SHORT CHIP	0	R306	1-218-990-11	SHORT CHIP	0 (W5/W15)
R349	1-218-990-11	SHORT CHIP	0 (W7/W17)	R309	1-218-990-11	SHORT CHIP	0 (W7/W17)
X201	1-813-434-21	OSCILLATOR, CRYSTAL (67.5MHz) (W7/W17)					




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




Toolbar



### Printing a text

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

#### Application of printing:

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


### Reversing the screens displayed once

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

#### Application to the Service Manual:

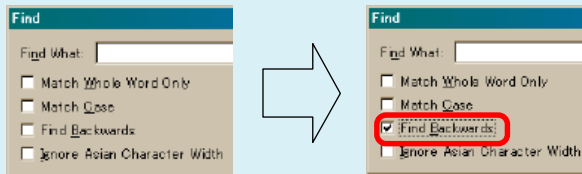
This function allows you to go and back between circuit diagram and printed circuit board diagram, and accordingly it will be convenient for the voltage check.

### Finding a text

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

#### Application to the Service Manual:

To execute "find" from current page toward the previous pages, select the check box "Find 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.

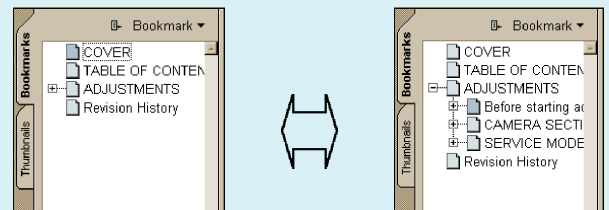
### Moving with link

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

### Moving with bookmark:



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

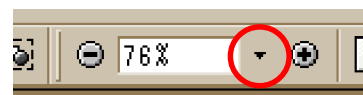
(To go back to original state, click )




### Zooming or rotating the screen display

#### "Zoom in/out"

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







#### "Rotate"

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

#### Application to the Service Manual:

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

### Switching a page

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

### Revision History

<b>Ver.</b>	<b>Date</b>	<b>History</b>	<b>Contents</b>	<b>S.M. Rev. issued</b>
1.0	2005.01	Official Release	—	—
1.1	2005.12	Supplement-1 (S1 PV05-071)	<ul style="list-style-type: none"><li>• Change of SCHEMATIC DIAGRAMS</li><li>• Change of REPAIR PARTS LIST</li></ul>	No