

DSC-W55

SERVICE MANUAL

LEVEL 3

Ver. 1.2 2007.06

Revision History

How to use
Acrobat Reader

Internal memory
ON BOARD

Revised-1



Photo: Silver

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Argentine Model
Brazilian Model
Tourist Model*

Link

• SERVICE NOTE

• PRINTED WIRING BOARDS

• REPAIR PARTS LIST

• SCHEMATIC DIAGRAMS

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

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

DIGITAL STILL CAMERA

SONY®

CAUTION

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

SAFETY-RELATED COMPONENT WARNING!!

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

**ATTENTION AU COMPOSANT AYANT RAPPORT
À LA SÉCURITÉ!**

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

SAFETY CHECK-OUT

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

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

Unleaded solder

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



: LEAD FREE MARK

Unleaded solder has the following characteristics.

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

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1. SERVICE NOTE

1-3. 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-176 board, erase the data in internal memory of the board before replacement.

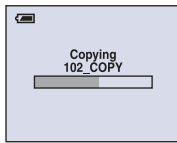
Note 2: When replacing the SY-176 board, execute formatting and initialize the internal memory after replacement.

Method for Copying the Data in Internal Memory

Copy



Copies all images in the internal memory to a “Memory Stick Duo”.

- ① Insert a “Memory Stick Duo” having 64 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 press ●.
Copying starts.



To cancel the copying

Select [Cancel] in step ② or ③, then press ●.

- Use a fully charged battery pack. If you attempt to copy image files using a battery pack with little remaining charge, the battery pack 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 Duo” after copying, then execute the [Format] command in  (Internal Memory Tool) (page 54).
- When you copy the data in the internal Memory to the “Memory Stick Duo”, all the data will be copied. You cannot choose a specific folder on the “Memory Stick Duo” as the destination for the data to be copied.
- Even if you copy data, a  (Print order) mark is not copied.

Method for Formatting the Internal Memory

This item appears only when a “Memory Stick Duo” is inserted in the camera.

Format

Formats the “Memory Stick Duo”. A commercially available “Memory Stick Duo” is already formatted, and can be used immediately.

- Note that formatting irrevocably erases all data on a “Memory Stick Duo”, including even protected images.
- ① Select [OK] with ▲ on the control button, then press ●.
The message “All data in Memory Stick will be erased Ready?” appears.
 - ② Select [OK] with ▲, then press ●.
The format is complete.

To cancel the formatting

Select [Cancel] in step ① or ②, then press ●.

4-2. SCHEMATIC DIAGRAMS

Link

<ul style="list-style-type: none">• SY-176 BOARD (1/6) (CCD SIGNAL PROCESS)	<ul style="list-style-type: none">• SY-176 BOARD (4/6) (SDRAM, SUPER AND)
<ul style="list-style-type: none">• SY-176 BOARD (2/6) (CAMERA DSP)	<ul style="list-style-type: none">• SY-176 BOARD (5/6) (AUDIO, VIDEO)
<ul style="list-style-type: none">• SY-176 BOARD (3/6) (LENS DRIVE)	<ul style="list-style-type: none">• SY-176 BOARD (6/6) (DC/DC CONVERTER)

<ul style="list-style-type: none">• COMMON NOTE FOR SCHEMATIC DIAGRAMS
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4-2. SCHEMATIC DIAGRAMS

4. PRINTED WIRING BOARDS AND 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 μF 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.

	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 \star differ according to the model/destination. Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name
 XEDIT \rightarrow EDIT PB/XREC \rightarrow PB/REC
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B- Line
- : IN/OUT direction of (+,-) B LINE.
- : adjustment for repair.
- : not use circuit

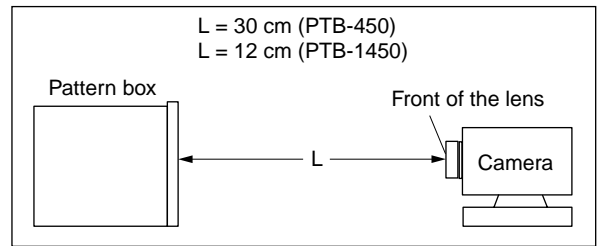
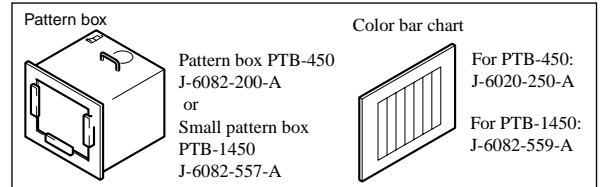
(Measuring conditions voltage and waveform)

- 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 Imager

- If the imager has been replaced, carry out all the adjustments for the camera section.
- As the 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.

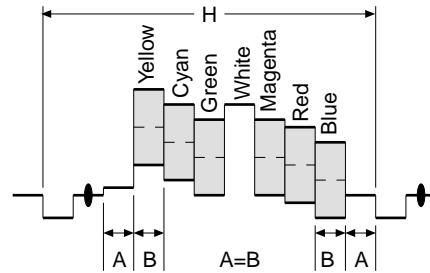


Fig. a (Video output terminal output waveform)

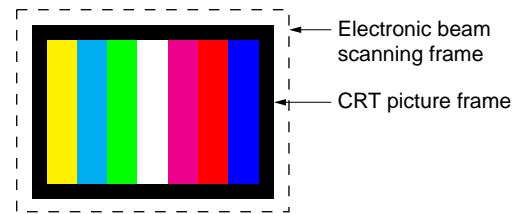


Fig.b (Picture on monitor TV)

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.

SY-176 BOARD(1/6) CCD SIGNAL PROCESS

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

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

A

B

C

D

E

F

G

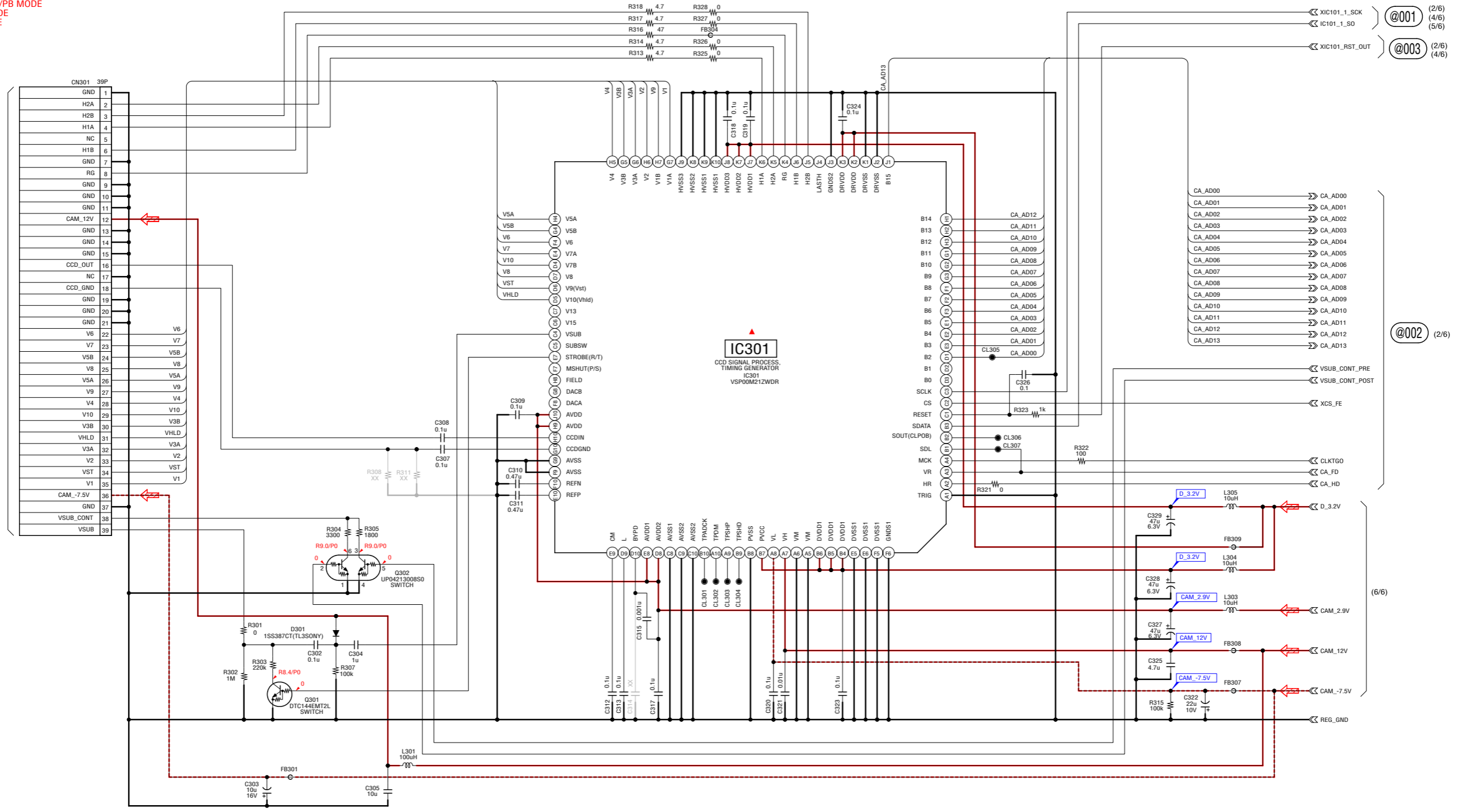
H

I

J

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

CD-604 FLEXIBLE LND001-LND039 (PAGE 4-5 of LEVEL2)



@001 (2/6)
(4/6)
(5/6)

@003 (2/6)
(4/6)

@002 (2/6)

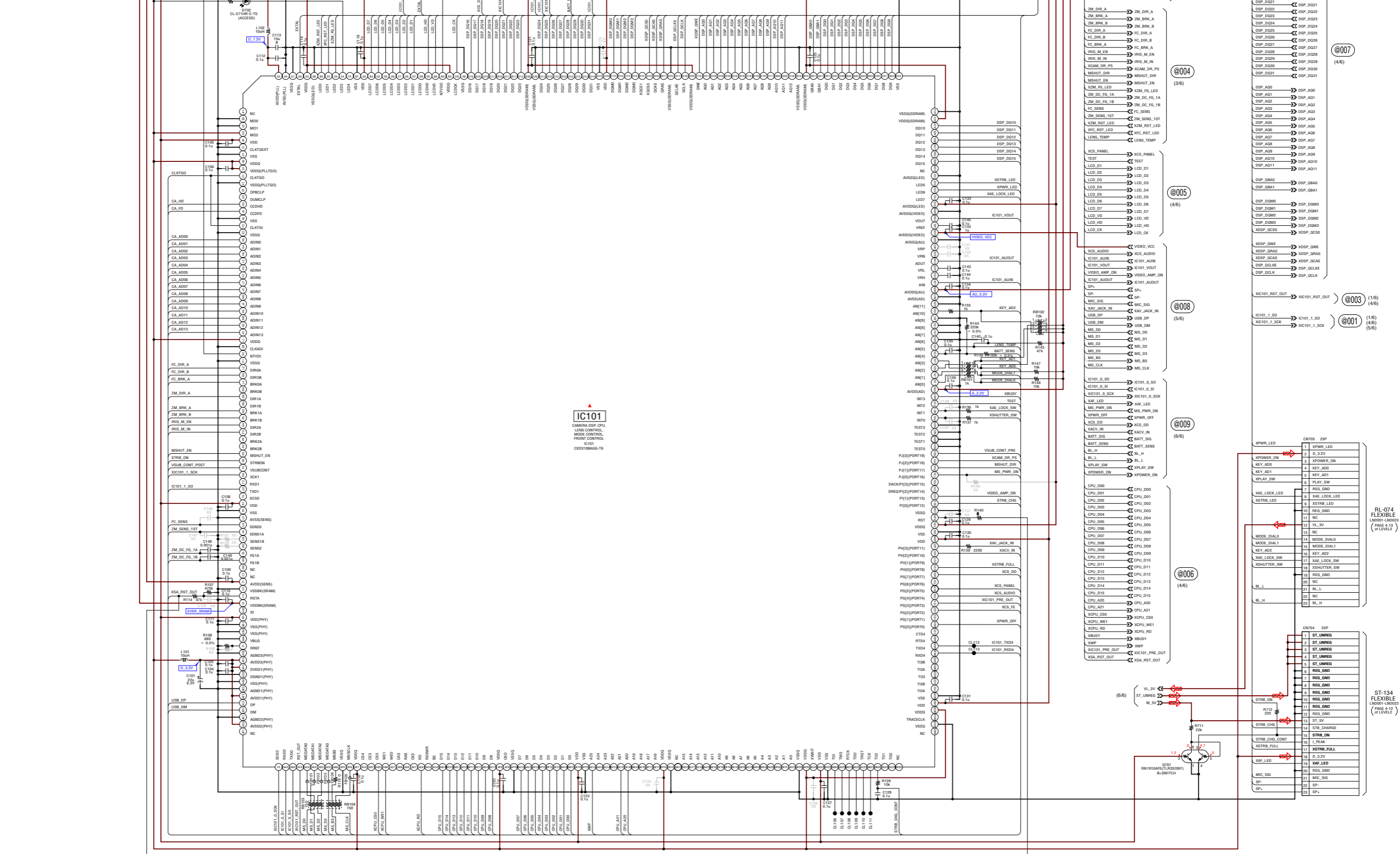
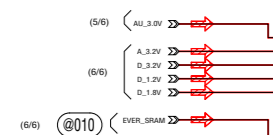
(6/6)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

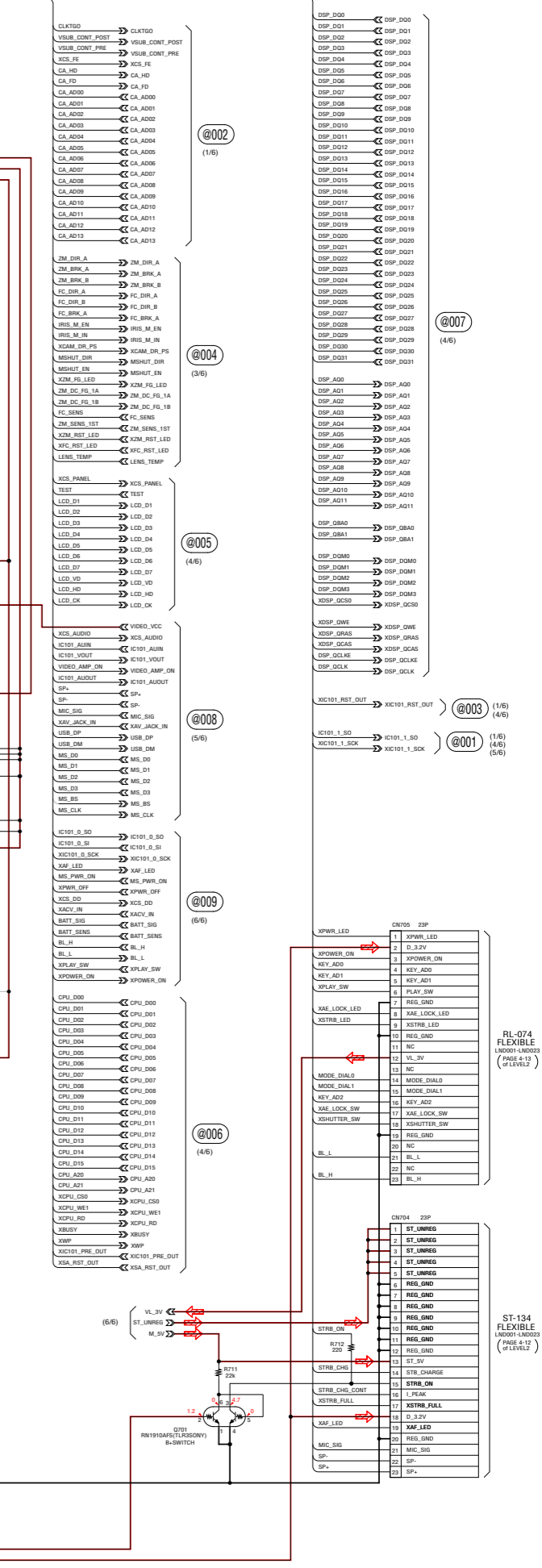
SY-176 BOARD(2/6)

CAMERA DSP
XX MARK/NO MOUNT
NO MARK/REC/PS MODE

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



A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13

SY-176 BOARD(3/6)

LENS DRIVE

XX MARK:NO MOUNT

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

A

B

C

D

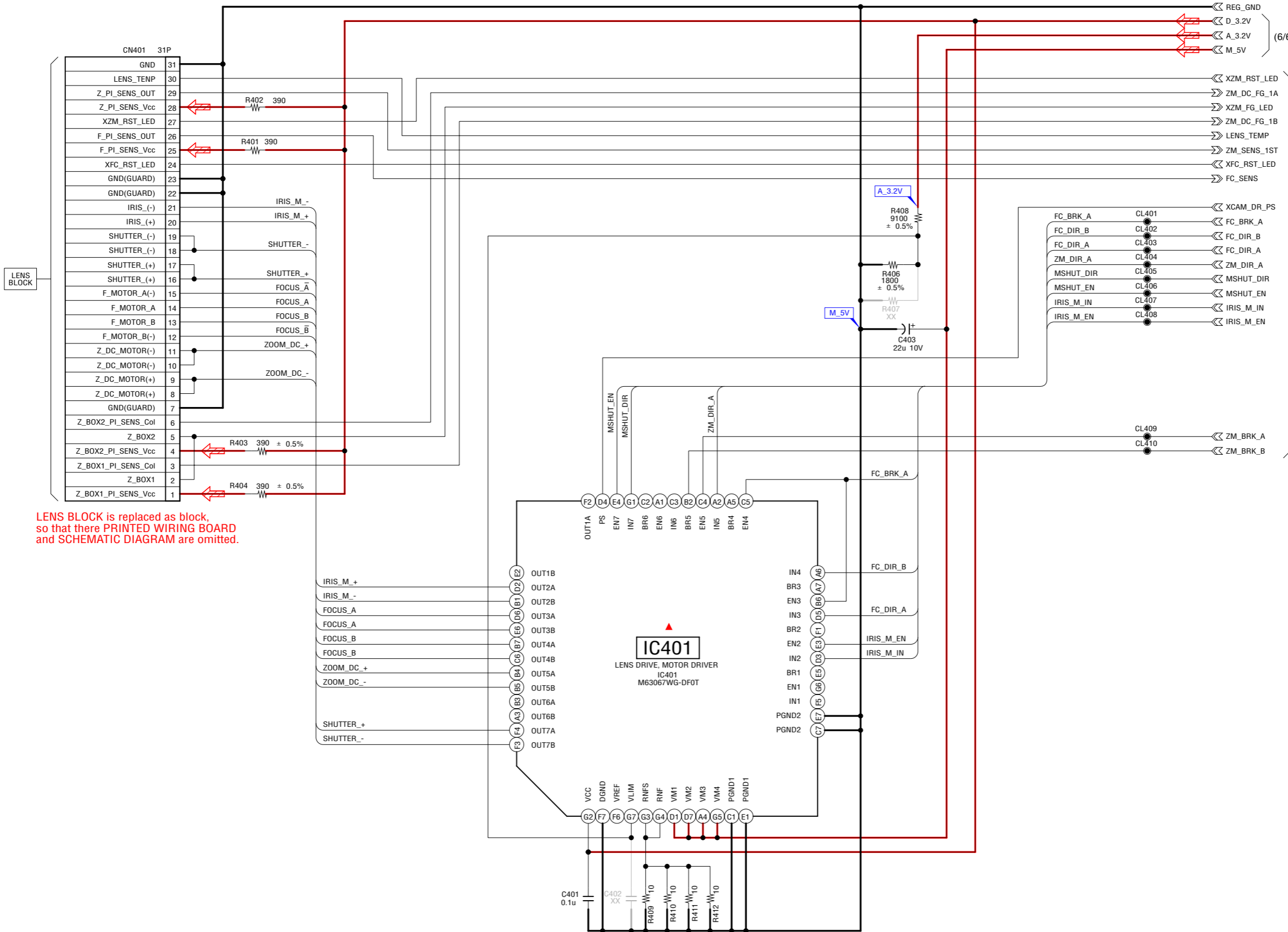
E

F

G

H

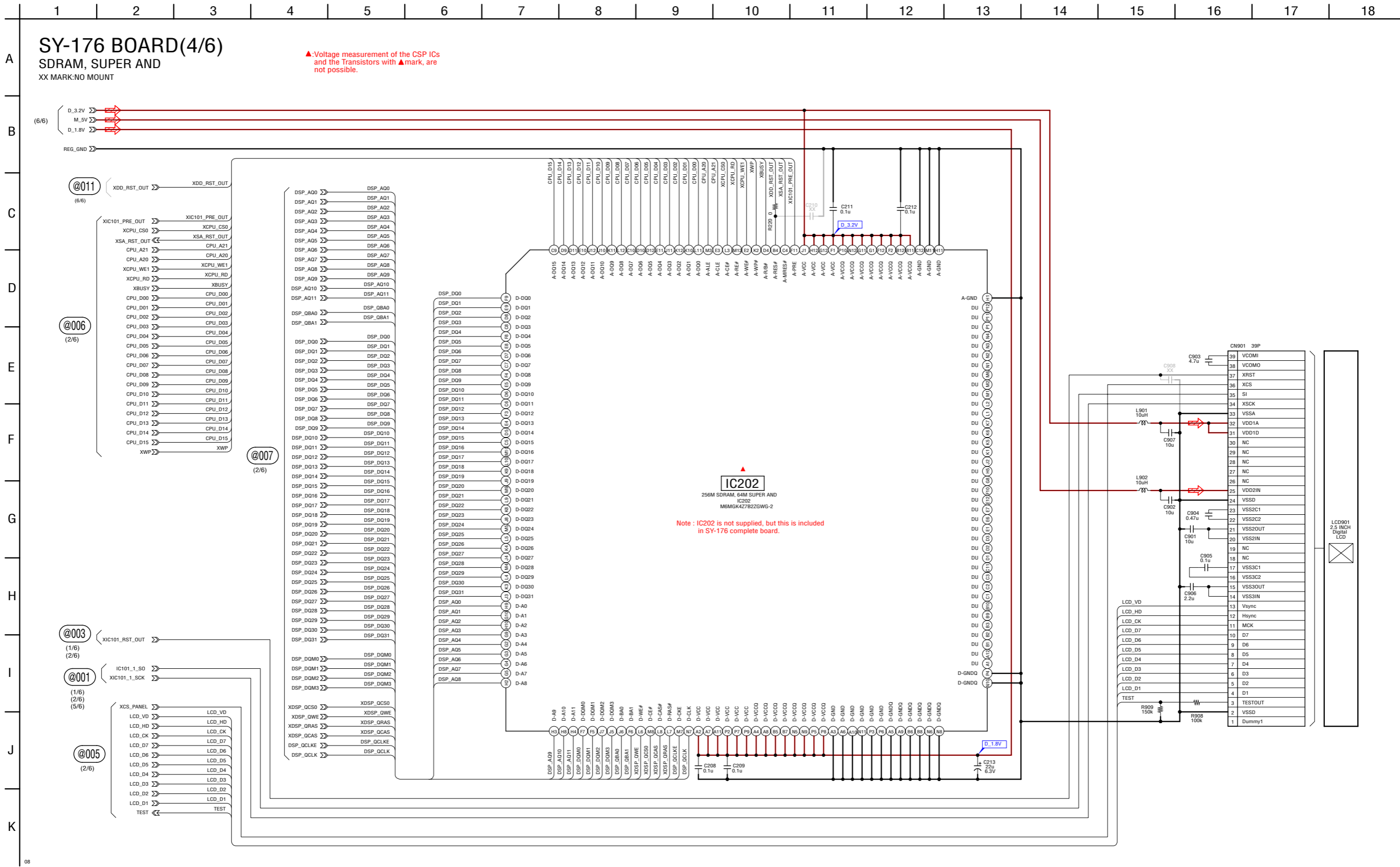
I



LENS BLOCK is replaced as block, so that there PRINTED WIRING BOARD and SCHEMATIC DIAGRAM are omitted.

@004

(2/6)



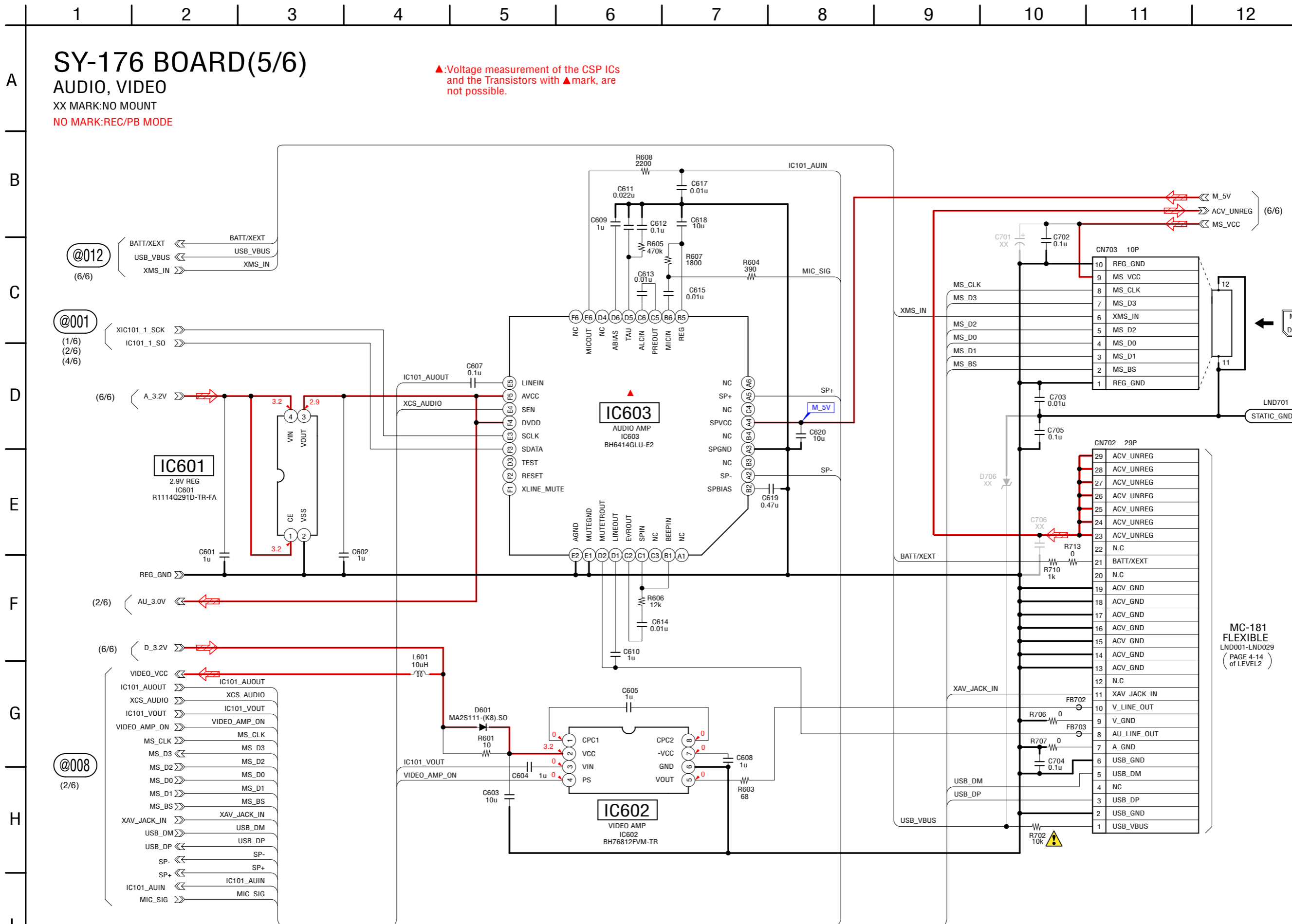
SY-176 BOARD(5/6)

AUDIO, VIDEO

XX MARK:NO MOUNT

NO MARK:REC/PB MODE

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



@012 (6/6)

@001 (1/6) (2/6) (4/6)

(6/6)

(2/6)

(6/6)

@008 (2/6)

M_5V ACV_UNREG MS_VCC (6/6)

MC-181 FLEXIBLE LND001-LND029 (PAGE 4-14 of LEVEL2)

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

A
B
C
D
E
F
G
H
I
J
K
L

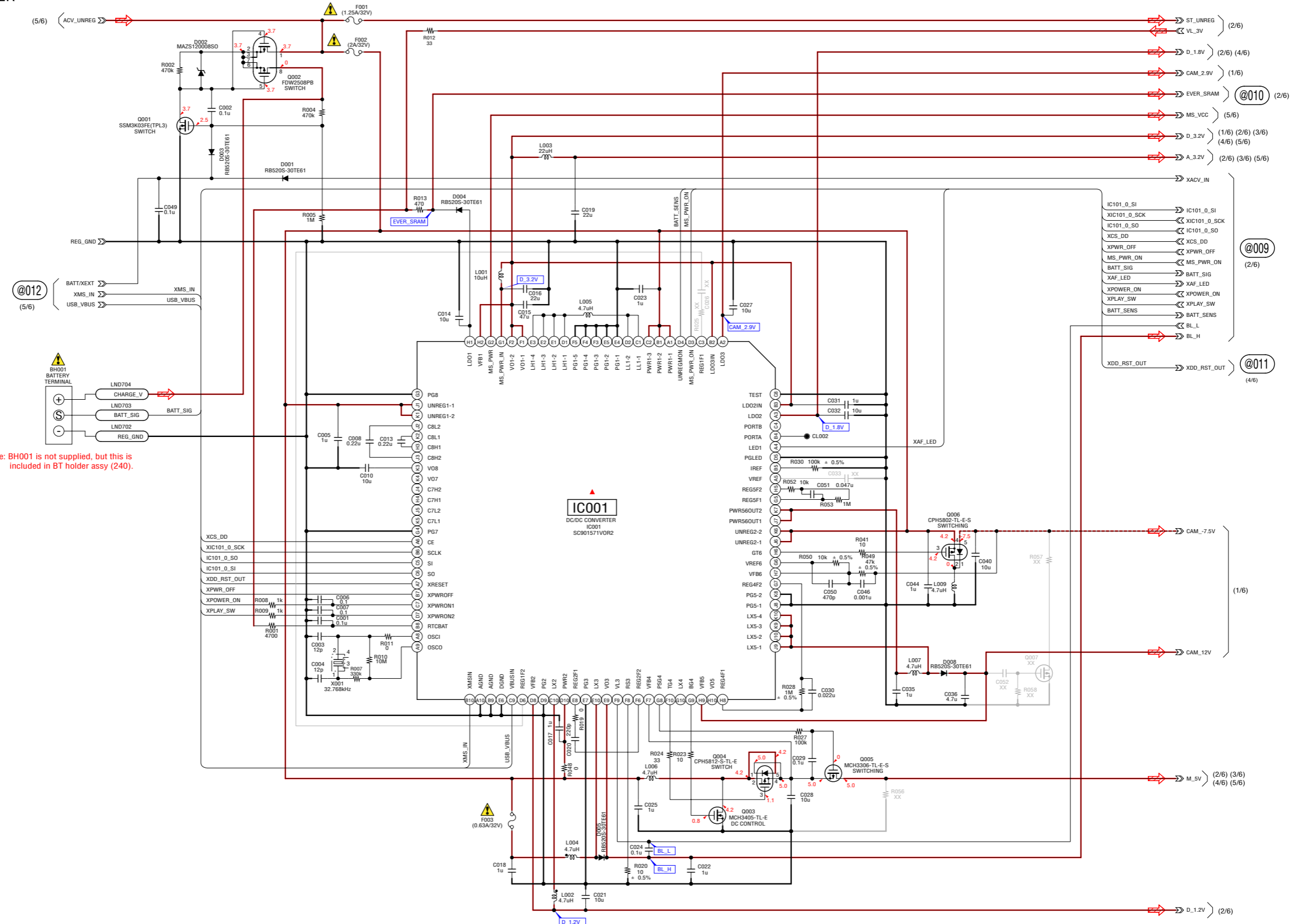
SY-176 BOARD(6/6)

DC/DC CONVERTER

XX MARK:NO MOUNT

NO MARK:REC/PB MODE

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



Note: BH001 is not supplied, but this is included in BT holder assy (240).

- ST_UNREG (2/6)
- VL_3V (2/6) (4/6)
- D_1.8V (2/6) (4/6)
- CAM_2.9V (1/6)
- EVER_SRAM (2/6) (3/6) (5/6)
- MS_VCC (5/6)
- D_3.2V (1/6) (2/6) (3/6) (4/6) (5/6)
- A_3.2V (2/6) (3/6) (5/6)
- XACV_IN
- IC101_0_SI
- XIC101_0_SCK
- IC101_0_SD
- XIC101_0_SCK
- XCS_DD
- XCPWR_OFF
- XCPWR_ON
- MS_PWR_ON
- BATT_SIG
- XAF_LED
- XPOWER_ON
- XPLAY_SW
- BATT_SENS
- BL_L
- BL_H
- XDD_RST_OUT

4-3. PRINTED WIRING BOARDS

Link

• [SY-176 BOARD](#)

• [COMMON NOTE FOR PRINTED WIRING BOARDS](#)

• [MOUNTED PARTS LOCATION](#)

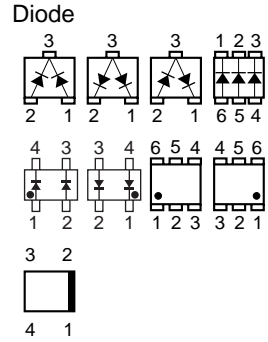
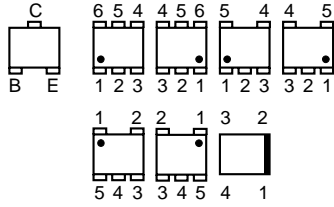
4-3. PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS

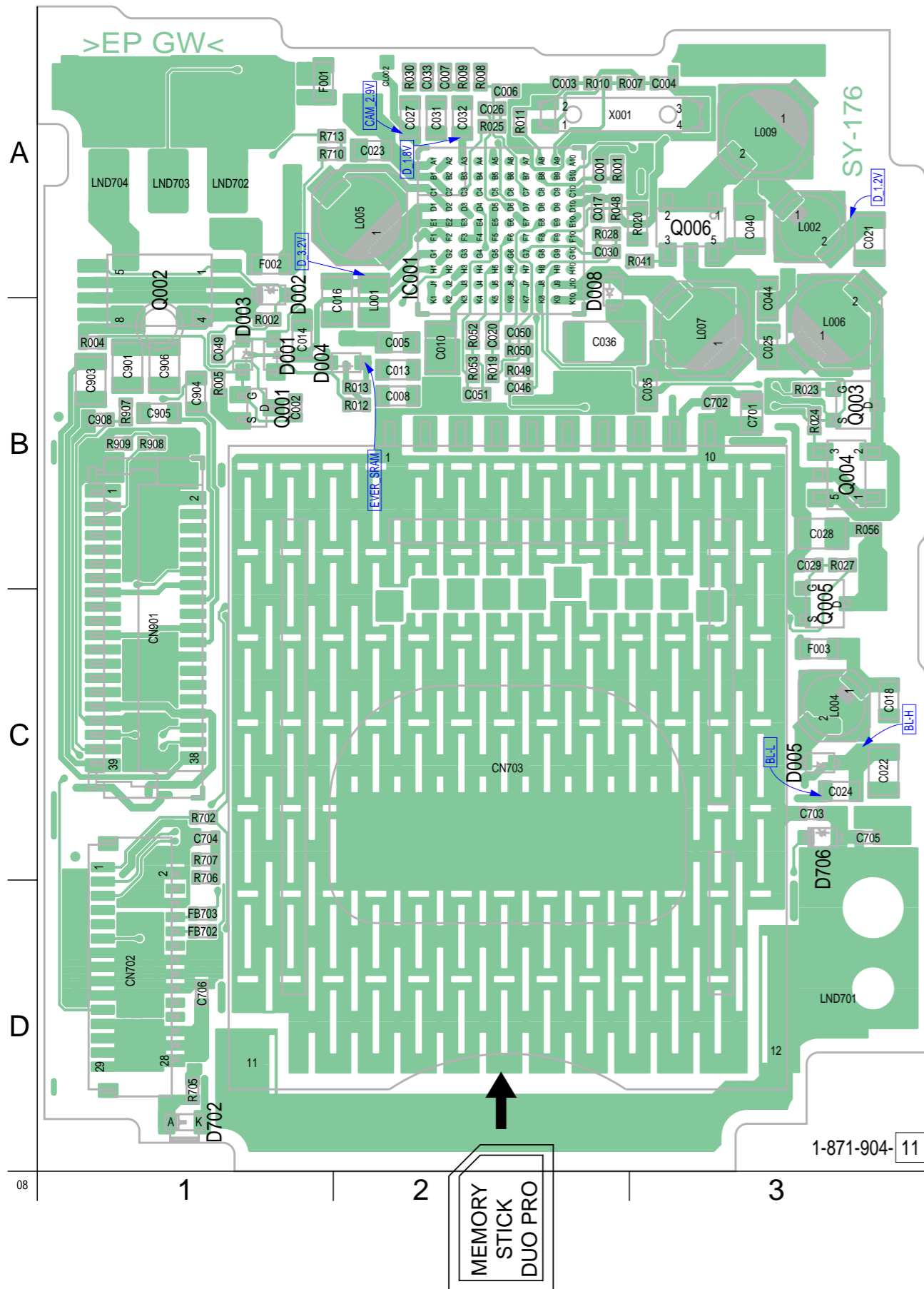
- : Uses unleaded solder.
- : Circuit board
- : Flexible board
- : Pattern from the side which enables seeing.
- : pattern of the rear side
(The other layers' patterns are not indicated)
- Through hole is omitted.
- There are a few cases that the part printed on diagram isn't mounted in this model.
-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

- Chip parts.

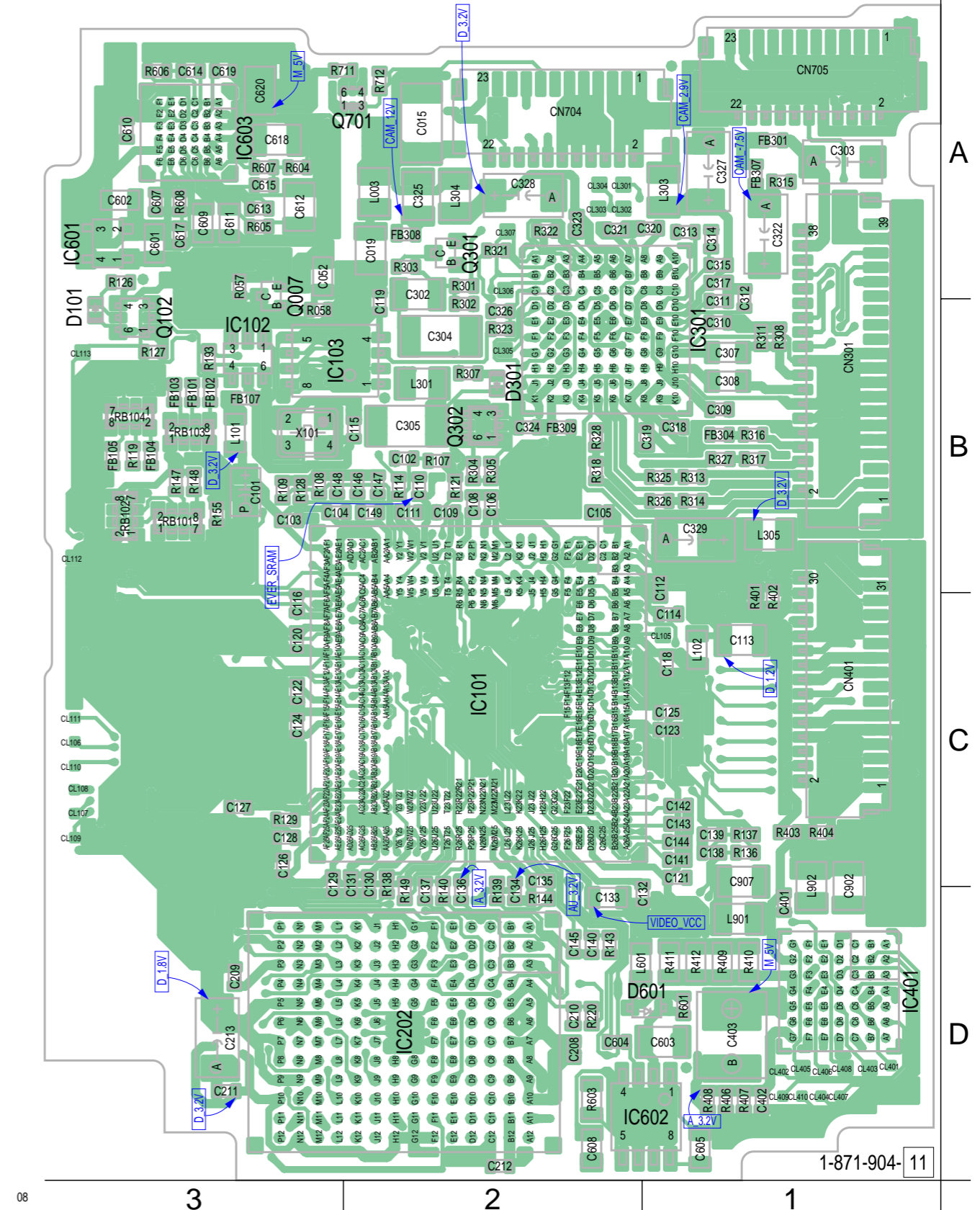


 : Uses unleaded solder.

SY-176 BOARD (SIDE A)



SY-176 BOARD (SIDE B)



Note: IC202 is not supplied, but this is included in SY-176 complete board.

4-3. PRINTED WIRING BOARDS

4-4. MOUNTED PARTS LOCATION

no mark : side A
* mark : side B

SY-176 BOARD

C001	A2	* C148	B3	* CL305	B2	LND704	A1	* R325	B1
C002	B1	* C149	B2	* CL306	A2			* R326	B1
C003	A2	* C208	D2	* CL307	A2	* P	B3	* R327	B1
C004	A3	* C209	D3	* CL401	D1			* R328	B2
C005	B2	* C210	D2	* CL402	D1	Q001	B1	* R401	C1
C006	A2	* C211	D3	* CL403	D1	Q002	A1	* R402	C1
C007	A2	* C212	D2	* CL404	D1	Q003	B3	* R403	C1
C008	B2	* C213	D3	* CL405	D1	Q004	B3	* R404	C1
C010	B2	* C302	A2	* CL406	D1	Q005	C3	* R406	D1
C013	B2	* C303	A1	* CL407	D1	Q006	A3	* R407	D1
C014	B1	* C304	B2	* CL408	D1	* Q007	A3	* R408	D1
* C015	A2	* C305	B2	* CL409	D1	* Q102	B3	* R409	D1
C016	B2	* C307	B1	* CL410	D1	* Q301	A2	* R410	D1
C017	A2	* C308	B1			* Q302	B2	* R411	D1
C018	C3	* C309	B1	* CN301	B1	* Q701	A2	* R412	D1
* C019	A2	* C310	B1	* CN401	C1			* R601	D1
C020	B2	* C311	B1	CN702	D1	R001	A2	* R603	D2
C021	A3	* C312	A1	CN703	C2	R002	B1	* R604	A3
C022	C3	* C313	A1	* CN704	A2	R004	B1	* R605	A3
C023	A2	* C314	A1	* CN705	A1	R005	B1	* R606	A3
C024	C3	* C315	A1	CN901	C1	R007	A3	* R607	A3
C025	B3	* C317	A1			R008	A2	* R608	A3
C026	A2	* C318	B1	D001	B1	R009	A2	R702	C1
C027	A2	* C319	B1	D002	A1	R010	A2	R705	D1
C028	B3	* C320	A1	D003	B1	R011	A2	R706	C1
C029	B3	* C321	A2	D004	B1	R012	B2	R707	C1
C030	A2	* C322	A1	D005	C3	R013	B2	R710	A1
C031	A2	* C323	A2	D008	A2	R019	B2	* R711	A3
C032	A2	* C324	B2	* D101	B3	R020	A3	* R712	A2
C033	A2	* C325	A2	* D301	B2	R023	B3	R713	A1
C035	B3	* C326	B2	* D601	D1	R024	B3	R907	B1
C036	B2	* C327	A1	D702	D1	R025	A2	R908	B1
C040	A3	* C328	A2	D706	C3	R027	B3	R909	B1
C044	B3	* C329	B1			R028	A2		
C046	B2	* C401	D1	F001	A1	R030	A2	* RB101	B3
C049	B1	* C402	D1	F002	A1	R041	A3	* RB102	B3
C050	B2	* C403	D1	F003	C3	R048	A2	* RB103	B3
C051	B2	* C601	A3			R049	B2	* RB104	B3
* C052	A3	* C602	A3	* FB101	B3	R050	B2		
* C101	B3	* C603	D1	* FB102	B3	R052	B2	X001	A2
* C102	B2	* C604	D2	* FB103	B3	R053	B3	* X101	B3
* C103	B3	* C605	D1	* FB104	B3	R056	B2		
* C104	B3	* C607	A3	* FB105	B3	* R057	A3		
* C105	B2	* C608	D2	* FB107	B3	* R058	B3		
* C106	B2	* C609	A3	* FB301	A1	* R107	B2		
* C108	B2	* C610	A3	* FB304	B1	* R108	B3		
* C109	B2	* C611	A3	* FB307	A1	* R109	B3		
* C110	B2	* C612	A3	* FB308	A2	* R114	B2		
* C111	B2	* C613	A3	* FB309	B2	* R119	B3		
* C112	B1	* C614	A3	FB702	D1	* R121	B2		
* C113	C1	* C615	A3	FB703	D1	* R126	A3		
* C114	C1	* C617	A3			* R127	B3		
* C115	B2	* C618	A3	IC001	A2	* R128	B3		
* C116	C3	* C619	A3	* IC101	C2	* R129	C3		
* C118	C1	* C620	A3	* IC102	B3	* R136	C1		
* C119	B2	C701	B3	* IC103	B3	* R137	C1		
* C120	C3	* C702	B3	* IC202	D2	* R138	C2		
* C121	C1	C703	C3	* IC301	B1	* R139	D2		
* C122	C3	C704	C1	* IC401	D1	* R140	D2		
* C123	C1	C705	C3	* IC601	A3	* R143	D2		
* C124	C3	C706	D1	* IC602	D1	* R144	D2		
* C125	C1	C901	B1	* IC603	A3	* R147	B3		
* C126	C3	* C902	C1			* R148	B3		
* C127	C3	C903	B1	L001	B2	* R149	D2		
* C128	C3	C904	B1	L002	A3	* R155	B3		
* C129	C3	C905	B1	* L003	A2	* R193	B3		
* C130	C2	C906	B1	L004	C3	* R220	D2		
* C131	C2	* C907	C1	L005	A2	* R301	A2		
* C132	D1	C908	B1	L006	B3	* R302	B2		
* C133	D2			L007	B3	* R303	A2		
* C134	D2	CL002	A2	L009	A3	* R304	B2		
* C135	C2	* CL105	C1	* L101	B3	* R305	B2		
* C136	D2	* CL106	C3	* L102	C1	* R307	B2		
* C137	D2	* CL107	C3	* L301	B2	* R308	B1		
* C138	C1	* CL108	C3	* L303	A1	* R311	B1		
* C139	C1	* CL109	C3	* L304	A2	* R313	B1		
* C140	D2	* CL110	C3	* L305	B1	* R314	B1		
* C141	C1	* CL111	C3	* L601	D2	* R315	A1		
* C142	C1	* CL112	B3	* L901	D1	* R316	B1		
* C143	C1	* CL113	B3	* L902	C1	* R317	B1		
* C144	C1	* CL301	A2			* R318	B2		
* C145	D2	* CL302	A2	LND701	D3	* R321	A2		
* C146	B2	* CL303	A2	LND702	A1	* R322	A2		
* C147	B2	* CL304	A2	LND703	A1	* R323	B2		

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: 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... , μ PC... , μ PC... ,
 uPD... , μ PD...
- Abbreviation
 AR : Argentine model
 AUS : Australian model
 BR : Brazilian model
 CH : Chinese model
 CND : Canadian model
 EE : East European model
 HK : Hong Kong model
 J : Japanese model
 JE : Tourist model
 KR : Korea model
 NE : North European model
 TW : Taiwan 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.

• **Language that can be selected about SY-176 board**

	Area	English	French	German	Spanish	Italian	Portugal	Traditional Chinese	Simplified Chinese	Arabic	Korean	Dutch	Russian	Swedish	Thai	Persian	Danish	Finnish	Polish	Hungarian	Czech	Norwegian	Turkish	Greek	Malaysian
GP2	US																								
	CND	●	●		●	●		●	●																
	AUS																								
	Vietnam																								
GP3	AEP	●	●	●	●	●	●					●	●	●			●	●	●	●	●	●	●	●	
	UK																								
GP4	E																								
	AR																								
	BR																								
	TW																								
	JE	●			●		●	●	●	●	●				●	●									●
	HK																								
	CH																								
	KR																								
MY																									

SY-176

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
	A-1231-207-A	SY-176 BOARD, COMPLETE (SERVICE) (GP2)
	A-1231-208-A	SY-176 BOARD, COMPLETE (SERVICE) (GP3)
	A-1231-209-A	SY-176 BOARD, COMPLETE (SERVICE) (GP4)

(Refer to the table of page 5-1 about language of SY-176 board.)		
(IC202 is not supplied, but this is included in SY-176 complete board.)		

< CAPACITOR >

C001	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C002	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C003	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C004	1-164-852-11	CERAMIC CHIP	12PF	5%	50V
C005	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C006	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C007	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C008	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C010	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C013	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C014	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C015	1-100-881-91	CERAMIC CHIP	47uF	20%	6.3V
C016	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C017	1-100-506-91	CERAMIC CHIP	1uF	20%	6.3V
C018	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C019	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C020	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C021	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C022	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C023	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C024	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C025	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C027	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C028	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C029	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C030	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C031	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C032	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V
C035	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C036	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C040	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C044	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C046	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C049	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C050	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C051	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C101	1-100-786-91	TANTAL. CHIP	22uF	20%	6.3V
C103	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C104	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C105	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C106	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C108	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C109	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C110	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C111	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C112	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C113	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C114	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			
C116	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C118	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C119	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C120	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C121	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C122	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C125	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C127	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C128	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C129	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C130	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C131	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C132	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C133	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C134	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C135	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C136	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C140	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C143	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C144	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C145	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C148	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C149	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C208	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C209	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C211	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C212	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C213	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V
C302	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C303	1-137-910-11	TANTAL. CHIP	10uF	20%	16V
C304	1-137-988-91	CERAMIC CHIP	1uF	10%	35V
C305	1-100-672-11	CERAMIC CHIP	10uF	20%	16V
C307	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C308	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C309	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C310	1-100-415-11	CERAMIC CHIP	0.47uF	10%	6.3V
C311	1-100-415-11	CERAMIC CHIP	0.47uF	10%	6.3V
C312	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C313	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C315	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C317	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C318	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C319	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C320	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C321	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C322	1-165-897-11	TANTAL. CHIP	22uF	20%	10V
C323	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C324	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C325	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V
C326	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C327	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C328	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C329	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V
C401	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C403	1-100-663-11	TANTAL. CHIP	22uF	20%	10V
C601	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C602	1-125-837-91	CERAMIC CHIP			< FERRITE BEAD >
C603	1-165-989-11	CERAMIC CHIP			
C604	1-100-506-91	CERAMIC CHIP			
C605	1-125-837-91	CERAMIC CHIP			
C607	1-125-777-11	CERAMIC CHIP			
C608	1-125-837-91	CERAMIC CHIP			
C609	1-125-837-91	CERAMIC CHIP			
C610	1-100-506-91	CERAMIC CHIP			
C611	1-164-227-11	CERAMIC CHIP			
C612	1-115-339-11	CERAMIC CHIP			
C613	1-164-943-11	CERAMIC CHIP			
C614	1-164-943-11	CERAMIC CHIP			
C615	1-164-943-11	CERAMIC CHIP			
C617	1-164-943-11	CERAMIC CHIP			
C618	1-165-989-11	CERAMIC CHIP			
C619	1-100-415-11	CERAMIC CHIP			
C620	1-165-989-11	CERAMIC CHIP			
C702	1-125-777-11	CERAMIC CHIP			
C703	1-164-943-11	CERAMIC CHIP			
C704	1-125-777-11	CERAMIC CHIP			
C705	1-125-777-11	CERAMIC CHIP			
C901	1-165-989-11	CERAMIC CHIP			
C902	1-165-989-11	CERAMIC CHIP			
C903	1-127-760-11	CERAMIC CHIP			
C904	1-125-891-11	CERAMIC CHIP			
C905	1-107-826-11	CERAMIC CHIP			
C906	1-125-889-11	CERAMIC CHIP			
C907	1-165-989-11	CERAMIC CHIP			
		< CONNECTOR >			
* CN301	1-817-942-51	CONNECTOR, FPC (ZIF) 39P			
* CN401	1-817-391-51	CONNECTOR, FPC (ZIF) 31P			
* CN702	1-818-818-51	CONNECTOR, FPC (ZIF) 29P			
CN703	1-817-913-41	MEMORY STICK DIO CONNECTOR			
* CN704	1-819-659-51	CONNECTOR, FPC (ZIF) 23P			
* CN705	1-819-659-51	CONNECTOR, FPC (ZIF) 23P			
* CN901	1-817-544-71	CONNECTOR, FPC (ZIF) 39P			
		< DIODE >			
D001	8-719-069-29	DIODE RB520S-30TE61			
D002	8-719-056-59	DIODE MAZS120008SO			
D003	8-719-069-29	DIODE RB520S-30TE61			
D004	8-719-069-29	DIODE RB520S-30TE61			
D005	8-719-069-29	DIODE RB520S-30TE61			
D008	8-719-069-29	DIODE RB520S-30TE61			
D101	6-500-784-01	DIODE MA2611100AS0			
D301	6-501-106-01	DIODE 1SS387CT (TL3SONY)			
D601	8-719-056-23	DIODE MA2S111-(K8).SO			
D702	6-501-216-01	DIODE CL-271HR-C-TS			
		< FUSE >			
△ F001	1-523-002-21	FUSE, MICRO (1608)(1.25A/32V)			
△ F002	1-576-415-11	FUSE (2A/32V)			
△ F003	1-576-570-11	FUSE, MICRO (1608 TYPE)(0.63A/32V)			
FB101	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)			
FB102	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)			
FB103	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)			
FB104	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)			
FB105	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)			
FB107	1-469-080-11	INDUCTOR, FERRITE BEAD (1005)			
FB301	1-400-331-11	FERRITE, EMI (SMD) (1005)			
FB304	1-400-620-21	INDUCTOR, FERRITE BEAD (1005)			
FB307	1-400-331-11	FERRITE, EMI (SMD) (1005)			
FB308	1-400-331-11	FERRITE, EMI (SMD) (1005)			
FB309	1-400-331-11	FERRITE, EMI (SMD) (1005)			
FB702	1-469-581-11	INDUCTOR, FERRITE BEAD (1005)			
FB703	1-469-581-11	INDUCTOR, FERRITE BEAD (1005)			
		< IC >			
* IC001	6-709-120-01	IC SC901571VOR2			
IC101	8-753-239-15	IC CXD3188AGG-T6			
* IC102	6-704-555-01	IC TC7PA04FU (TE85R)			
IC103	6-805-947-01	IC R5H30101NA01NS			
IC202	(Not supplied)	IC M6MGK4Z7B2ZGWG-2			
* IC301	6-709-616-01	IC VSP00M21ZWDR			
IC401	6-708-033-01	IC M63067WG-DFOT			
* IC601	6-708-445-01	IC R1114Q291D-TR-FA			
IC602	6-707-834-01	IC BH76812FVM-TR			
IC603	6-707-336-01	IC BH6414GLU-E2			
		< COIL >			
L001	1-400-588-11	INDUCTOR	10uH		
L002	1-457-066-21	INDUCTOR	4.7uH		
L003	1-400-676-11	INDUCTOR	22uH		
L004	1-457-066-21	COIL, CHOKE	4.7uH		
L005	1-456-499-11	COIL, CHOKE	4.7uH		
L006	1-456-499-11	COIL, CHOKE	4.7uH		
L007	1-456-499-11	COIL, CHOKE	4.7uH		
L009	1-456-499-11	COIL, CHOKE	4.7uH		
L101	1-400-137-11	INDUCTOR	10uH		
L102	1-400-137-11	INDUCTOR	10uH		
L301	1-400-678-11	INDUCTOR	100uH		
L303	1-400-588-11	INDUCTOR	10uH		
L304	1-400-588-11	INDUCTOR	10uH		
L305	1-400-675-11	INDUCTOR	10uH		
L601	1-400-137-11	INDUCTOR	10uH		
L901	1-400-588-11	INDUCTOR	10uH		
L902	1-400-588-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q001	8-729-024-48	TRANSISTOR	2SK1830-TE85L		
Q002	6-550-844-01	TRANSISTOR	FDW2508P/GNL		
Q003	8-729-056-01	TRANSISTOR	MCH3405-TL-E		
Q004	6-550-351-01	TRANSISTOR	CPH5812-S-TL-E		
Q005	8-729-055-89	TRANSISTOR	MCH3306-TL-E-S		
Q006	8-729-053-76	TRANSISTOR	CPH5802-TL-E-S		
Q102	6-551-345-01	TRANSISTOR	SSM6L16FE (TPLR3)		
Q301	6-550-119-01	TRANSISTOR	DTC144EMT2L		
Q302	8-729-054-47	TRANSISTOR	UP04213008SO		
* Q701	6-551-208-01	TRANSISTOR	RN1910AFS (TLR3SONY)		

• Refer to page 5-1 for mark △.

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Ref. No.	Part No.	Description			
< RESISTOR >					
R001	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R002	1-218-985-11	RES-CHIP	470K	5%	1/16W
R004	1-218-985-11	RES-CHIP	470K	5%	1/16W
R005	1-218-989-11	RES-CHIP	1M	5%	1/16W
R007	1-208-947-11	RES-CHIP	330K	5%	1/16W
R008	1-218-953-11	RES-CHIP	1K	5%	1/16W
R009	1-218-953-11	RES-CHIP	1K	5%	1/16W
R010	1-245-604-11	RES-CHIP	10M	5%	1/16W
R011	1-218-990-11	RES-CHIP	0		1/16W
R012	1-218-935-11	RES-CHIP	33	5%	1/16W
R013	1-218-949-11	RES-CHIP	470	5%	1/16W
R019	1-218-990-11	RES-CHIP	0		1/16W
R020	1-211-969-11	RES-CHIP	10	0.50%	1/10W
R023	1-218-929-11	RES-CHIP	10	5%	1/16W
R024	1-218-935-11	RES-CHIP	33	5%	1/16W
R027	1-218-977-11	RES-CHIP	100K	5%	1/16W
R028	1-218-989-11	RES-CHIP	1M	5%	1/16W
R030	1-208-935-11	RES-CHIP	100K	0.50%	1/16W
R041	1-218-929-11	RES-CHIP	10	5%	1/16W
R048	1-218-990-11	RES-CHIP	0		1/16W
R049	1-208-927-11	RES-CHIP	47K	0.50%	1/16W
R050	1-208-911-11	RES-CHIP	10K	0.50%	1/16W
R052	1-208-911-11	RES-CHIP	10K	0.50%	1/16W
R053	1-218-989-11	RES-CHIP	1M	5%	1/16W
R107	1-218-985-11	RES-CHIP	470K	5%	1/16W
R108	1-208-679-11	METAL CHIP	680	0.50%	1/16W
R114	1-218-973-11	RES-CHIP	47K	5%	1/16W
R119	1-218-990-11	RES-CHIP	0		1/16W
R126	1-218-973-11	RES-CHIP	47K	5%	1/16W
R127	1-218-973-11	RES-CHIP	47K	5%	1/16W
R129	1-218-965-11	RES-CHIP	10K	5%	1/16W
R136	1-218-953-11	RES-CHIP	1K	5%	1/16W
R137	1-218-953-11	RES-CHIP	1K	5%	1/16W
R138	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R139	1-208-935-11	RES-CHIP	100K	0.50%	1/16W
R140	1-218-990-11	RES-CHIP	0		1/16W
R143	1-218-973-11	RES-CHIP	47K	5%	1/16W
R144	1-208-943-11	METAL CHIP	220K	0.50%	1/16W
R147	1-218-965-11	RES-CHIP	10K	5%	1/16W
R148	1-218-965-11	RES-CHIP	10K	5%	1/16W
R155	1-218-953-11	RES-CHIP	1K	5%	1/16W
R193	1-218-937-11	RES-CHIP	47	5%	1/16W
R220	1-218-990-11	RES-CHIP	0		1/16W
R301	1-218-990-11	RES-CHIP	0		1/16W
R302	1-218-989-11	RES-CHIP	1M	5%	1/16W
R303	1-208-943-11	RES-CHIP	220K	0.5%	1/16W
R304	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R305	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R307	1-218-977-11	RES-CHIP	100K	5%	1/16W
R313	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R314	1-208-943-11	RES-CHIP	4.7	0.5%	1/16W
R315	1-218-977-11	RES-CHIP	100K	5%	1/16W
R316	1-218-937-11	RES-CHIP	47	5%	1/16W
R317	1-220-803-81	RES-CHIP	4.7	5%	1/16W
R318	1-220-803-81	RES-CHIP	4.7	5%	1/16W

Ref. No.	Part No.	Description			
R321	1-218-990-11	RES-CHIP	0		1/16W
R322	1-218-941-81	RES-CHIP	100	5%	1/16W
R323	1-218-953-11	RES-CHIP	1K	5%	1/16W
R325	1-218-990-11	RES-CHIP	0		1/16W
R326	1-218-990-11	RES-CHIP	0		1/16W
R327	1-218-990-11	RES-CHIP	0		1/16W
R328	1-218-990-11	RES-CHIP	0		1/16W
R401	1-218-948-11	RES-CHIP	390	5%	1/16W
R402	1-218-948-11	RES-CHIP	390	5%	1/16W
R403	1-218-948-11	RES-CHIP	390	5%	1/16W
R404	1-218-948-11	RES-CHIP	390	5%	1/16W
R406	1-208-893-11	RES-CHIP	1.8K	0.50%	1/16W
R408	1-208-910-11	RES-CHIP	9.1K	0.50%	1/16W
R409	1-211-969-11	RES-CHIP	10	0.50%	1/10W
R410	1-211-969-11	RES-CHIP	10	0.50%	1/10W
R411	1-211-969-11	RES-CHIP	10	0.50%	1/10W
R412	1-211-969-11	RES-CHIP	10	0.50%	1/10W
R601	1-218-929-11	RES-CHIP	10	5%	1/16W
R603	1-211-989-11	RES-CHIP	68	5%	1/10W
R604	1-218-948-11	RES-CHIP	390	5%	1/16W
R605	1-218-985-11	RES-CHIP	470K	5%	1/16W
R606	1-218-966-11	RES-CHIP	12K	5%	1/16W
R607	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R608	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
△R702	1-218-965-11	RES-CHIP	10K	5%	1/16W
R705	1-218-953-11	RES-CHIP	1K	5%	1/16W
R706	1-218-990-11	RES-CHIP	0		1/16W
R707	1-218-990-11	RES-CHIP	0		1/16W
R710	1-218-953-11	RES-CHIP	1K	5%	1/16W
R711	1-218-969-11	RES-CHIP	22K	5%	1/16W
R712	1-218-945-11	RES-CHIP	220	5%	1/16W
R713	1-218-990-11	RES-CHIP	0		1/16W
R908	1-218-977-11	RES-CHIP	100K	5%	1/16W
R909	1-218-979-11	RES-CHIP	150K	5%	1/16W

< COMPOSITION CIRCUIT BLOCK >

RB101	1-234-375-21	RES, NETWORK	1K (1005X4)
RB102	1-234-378-21	RES, NETWORK	10K (1005X4)
RB103	1-234-791-21	RES, NETWORK	150X4 (2010)
RB104	1-234-791-21	RES, NETWORK	150X4 (2010)

< VIBRATOR >

X001	1-781-525-21	VIBRATOR, CRYSTAL(32.768kHz)
* X101	1-813-403-21	QUARTZ CRYSTAL OSCILLATOR (12MHz)

• Refer to page 5-1 for mark △.

DSC-W55

SONY®

LEVEL 3

SERVICE MANUAL

Ver. 1.2 2007.06

US Model
 Canadian Model
 AEP Model
 UK Model
 E Model
 Australian Model
 Hong Kong Model
 Chinese Model
 Korea Model
 Argentine Model
 Brazilian Model
 Tourist Model

SUPPLEMENT-1

File this supplement with the service manual previously issued.
 (DI07-034)

- SY-176 Board Modification (Suffix -11 to -12)
- Changed Description for IC602 and IC603

- Suffix No. of SY-176 Board has been changed from 11 to 12.

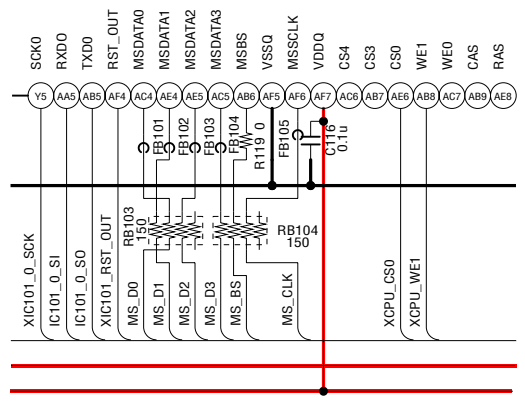
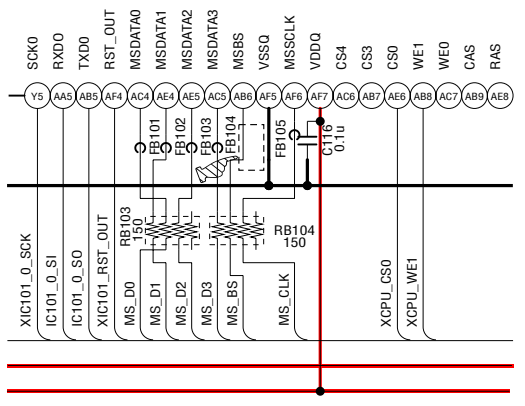
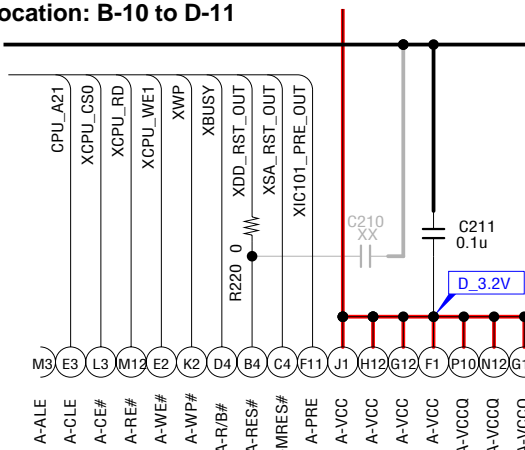
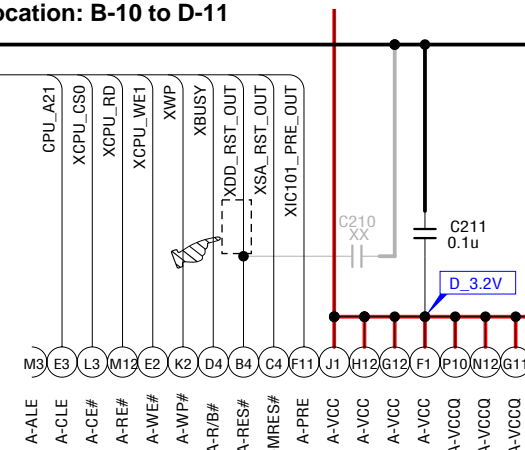
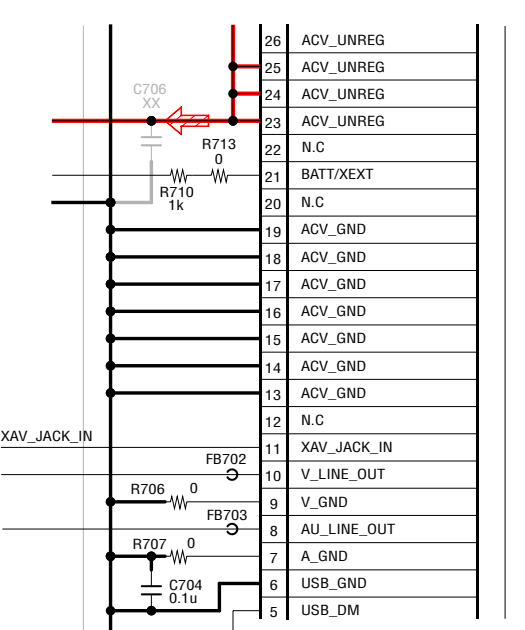
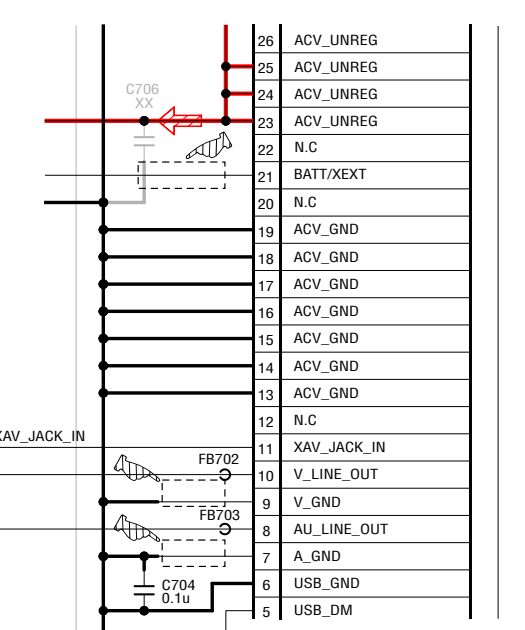
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS


4-2. SCHEMATIC DIAGRAMS

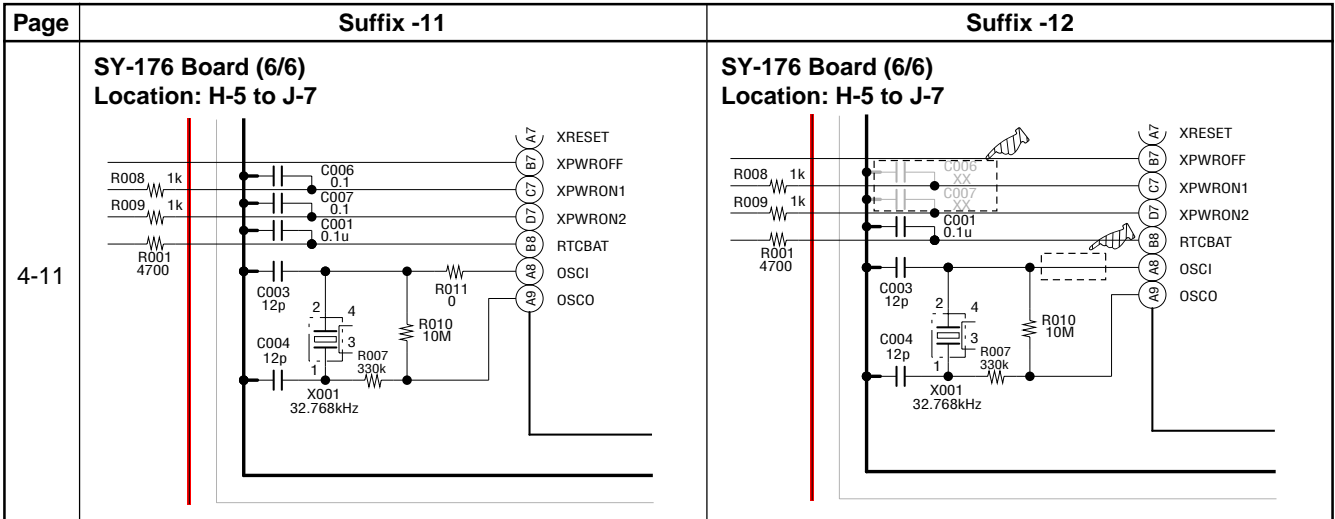
: Points changed portion

Page	Suffix -11	Suffix -12
4-6	<p>SY-176 Board (1/6) Location: B-8 to C-10</p>	<p>SY-176 Board (1/6) Location: B-8 to C-10</p>


Page	Suffix -11	Suffix -12
	<p>SY-176 Board (1/6) Location: E-12 to F-13</p>	<p>SY-176 Board (1/6) Location: E-12 to F-13</p>
4-6	<p>SY-176 Board (1/6) Location: G-3 to J-5</p>	<p>SY-176 Board (1/6) Location: G-3 to J-5</p>
4-7	<p>SY-176 Board (2/6) Location: L-17 to M-19</p>	<p>SY-176 Board (2/6) Location: L-17 to M-19</p>

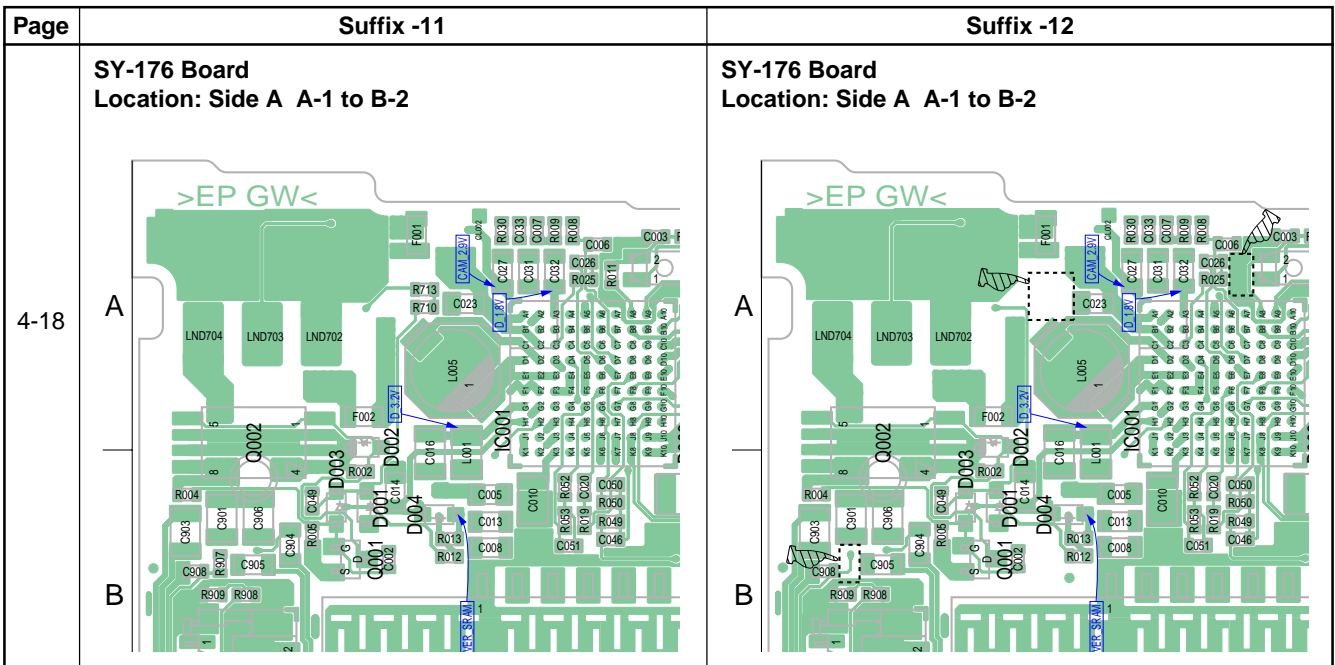
Page	Suffix -11	Suffix -12
4-7	<p>SY-176 Board (2/6) Location: Q-6 to R-8</p> 	<p>SY-176 Board (2/6) Location: Q-6 to R-8</p> 
4-9	<p>SY-176 Board (4/6) Location: B-10 to D-11</p> 	<p>SY-176 Board (4/6) Location: B-10 to D-11</p> 
4-10	<p>SY-176 Board (5/6) Location: E-10 to G-12</p> 	<p>SY-176 Board (5/6) Location: E-10 to G-12</p> 

 : Points changed portion



4-3. PRINTED WIRING BOARDS

 : Points changed portion



: Points changed portion

Page	Suffix -11	Suffix -12
4-18	<p>SY-176 Board Location: Side A C-1 to D-1</p>	<p>SY-176 Board Location: Side A C-1 to D-1</p>
	<p>SY-176 Board Location: Side B A-1 to B-2</p>	<p>SY-176 Board Location: Side B A-1 to B-2</p>
	<p>SY-176 Board Location: Side B B-3</p>	<p>SY-176 Board Location: Side B B-3</p>

: Points changed portion

Page	Suffix -11	Suffix -12
4-18	SY-176 Board Location: Side B D-2 	SY-176 Board Location: Side B D-2

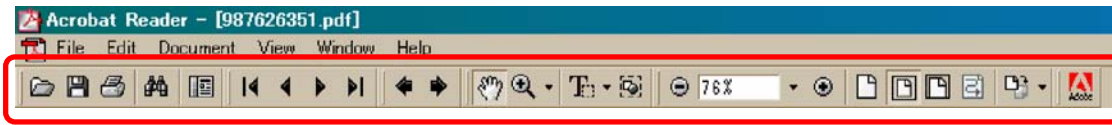
5-2. ELECTRICAL PARTS LIST

Page	Suffix -11	Suffix -12
5-8	SY-176 Board <u>Ref. No.</u> <u>Part No.</u> <u>Description</u> < CAPACITOR > C006 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V C007 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V C326 1-125-777-11 CERAMIC CHIP 0.1uF 10% 10V	SY-176 Board <u>Ref. No.</u> <u>Part No.</u> <u>Description</u> < CAPACITOR > _____ _____ _____
5-10	SY-176 Board <u>Ref. No.</u> <u>Part No.</u> <u>Description</u> < RESISTOR > R011 1-218-990-11 RES-CHIP 0 1/16W R119 1-218-990-11 RES-CHIP 0 1/16W R140 1-218-990-11 RES-CHIP 0 1/16W R220 1-218-990-11 RES-CHIP 0 1/16W R301 1-218-990-11 RES-CHIP 0 1/16W R325 1-218-990-11 RES-CHIP 0 1/16W R326 1-218-990-11 RES-CHIP 0 1/16W R327 1-218-990-11 RES-CHIP 0 1/16W R328 1-218-990-11 RES-CHIP 0 1/16W R706 1-218-990-11 RES-CHIP 0 1/16W R707 1-218-990-11 RES-CHIP 0 1/16W R710 1-218-953-11 RES-CHIP 1K 5% 1/16W R713 1-218-990-11 RES-CHIP 0 1/16W	SY-176 Board <u>Ref. No.</u> <u>Part No.</u> <u>Description</u> < RESISTOR > _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

: Points changed portion


Page	Before Change	After Change
5-9	SY-176 Board <u>Ref. No.</u> <u>Part No.</u> <u>Description</u> < IC > IC602 6-707-834-01 IC BH76812FVM-TR IC603 6-707-336-01 IC BH6414GLU-E2	SY-176 Board <u>Ref. No.</u> <u>Part No.</u> <u>Description</u> < IC > IC602 6-707-834-01 IC BH76812FVM-STR IC603 6-707-336-01 IC BH6414GLU-SE2

[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:

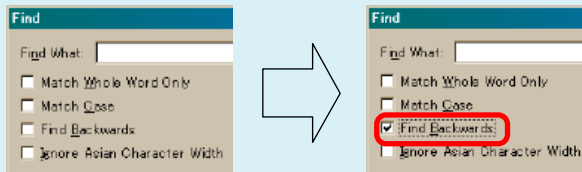
This function allows you to go and back between circuit diagram and printed circuit board diagram, and accordingly it will be convenient for the voltage check.

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.

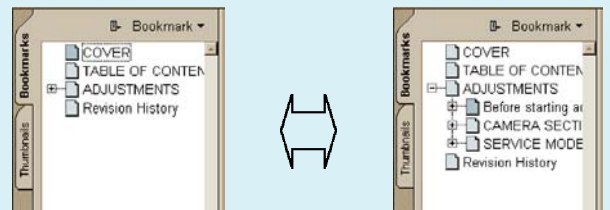
Moving with link

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.

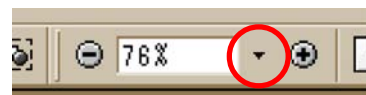
(To go back to original state, click )




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

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2007.01	Official Release	—	—
1.1	2007.06	Revised-1	<ul style="list-style-type: none">• Addition of Note for Schematic Diagrams. S.M Correction : Page 4-6, 4-7, 4-8, 4-9, 4-10, 4-11, 5-8, 5-9, 5-10	Yes
1.2	2007.06	Supplement-1 (DI07-034)	<ul style="list-style-type: none">• SY-176 Board Modification• Changed Description for IC602 and IC603	No