

DSC-T500

SERVICE MANUAL

LEVEL 3

Ver. 1.1 2008.09

Revision History

Internal memory
ON BOARD

Revised-1

Replace the previously issued
SERVICE MANUAL 9-852-616-11
with this Manual.



Photo: Silver

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

Link

• SERVICE NOTE

• PRINTED WIRING BOARDS

• REPAIR PARTS LIST

• SCHEMATIC DIAGRAMS

• Precaution on Replacing the SY-209 Board

The components identified by
mark \triangle or dotted line with
mark \triangle are critical for safety.
Replace only with part num-
ber 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.)



LF : 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.

1. SERVICE NOTE

1-1. PRECAUTION ON REPLACING THE SY-209 BOARD

SETTING OF LANGUAGE OF SY-209 BOARD

Two types of SY-209 BOARD, COMPLETE (SERVICE) are exists.

Refer to table below for language settings of two kinds of SY-209 board.

A-1547-808-A SY-209 BOARD, COMPLETE (SERVICE 124) (EXCEPT AEP, UK)

A-1547-809-A SY-209 BOARD, COMPLETE (SERVICE 35) (AEP, UK)

Language that can be selected about SY-209 board

SY-209 Board	AREA	SELECTABLE LANGUAGE																VIDEO OUT Default										
		Japanese	English	French	German	Spanish	Italian	Portuguese	Simplified Chinese	Traditional Chinese	Dutch	Russian	Korean	Persian	Arabic	Thai	Malay		Swedish	Norwegian	Danish	Finnish	Polish	Czech	Hungarian	Turkish	Greek	
SERVICE 124	JE		●	○		○		○	○				○	○	○	○	○											PAL
	US		●	○		○	○		○	○																		NTSC
	CND		●	○		○	○		○	○																		NTSC
	E			●	○		○		○	○				○	○	○	○	○										PAL
				○	○		●		○	○				○	○	○	○	○										NTSC
	AUS		●	○		○	○		○	○																		PAL
	HK		●	○		○		○	○					○	○	○	○	○										PAL
	CH		○	○		○		○	○					○	○	○	○	○										PAL
	KR		○	○		○		○	○					○	○	○	○	○										NTSC
	Thai		○	○		○		○	○					○	○	○	○	○										PAL
	AR		○	○		○		○	○					○	○	○	○	○										NTSC
BR		○	○		○		○	○					○	○	○	○	○										NTSC	
SERVICE 35	AEP		○	○	○	○	○				○	●						○	○	○	○	○	○	○	○	○	PAL	
			○	○	○	○	○				○	○						○	○	○	○	○	○	○	○	○	PAL	
	UK		○	○	○	○	○				○	○						○	○	○	○	○	○	○	○	○	PAL	

●: INITIAL LANGUAGE

DESTINATION DATA

When you replace to the repairing board, the written destination data of repairing board also might be changed to original setting. Refer to Service Manual ADJ, and perform "DESTINATION DATA WRITE".

USB SERIAL No.

The set is shipped with a unique ID (USB Serial No.) written in it.

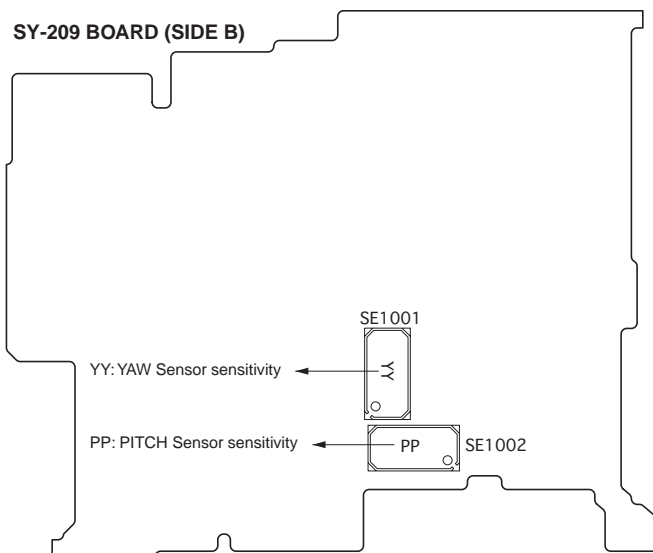
This ID has not been written in a new board for service, and therefore it must be entered after the board replacement.

Refer to Service Manual ADJ, and perform "USB SERIAL No. INPUT".

Angular Velocity Sensor

When you replace to the repairing board, write down the sensitivity displayed on the angular velocity sensor (SE1001 and SE1002).

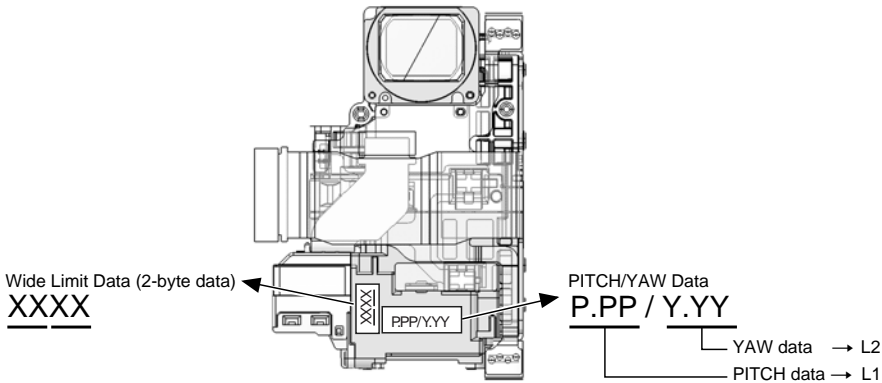
Refer to Service Manual ADJ, and perform "Angular velocity sensor sensitivity adj".



Note: The sensor sensitivity of SE1001 and SE1002 of SY-209 board is written only repair parts.

1-2. PRECAUTION ON REPLACING THE LENS

When replacing the lens, write down the PITCH/YAW data and wide limit data given on the data sheet of the replacement lens for service. Refer to Service Manual ADJ, and perform “Wide Limit adj” and “Angular velocity sensor sensitivity adj”.



Note: The PITCH/YAW data and wide limit data of lens are written only repair parts.

1-3. PRECAUTION ON REPLACING THE MICROPHONE

Exchange two pieces at the same time when exchange microphones.

Adjust the condition of the reflow to 240 degrees or less and make time that it reaches 240 degrees within 30 seconds.

Do not close the sound hole when reflow.

1-4. METHOD FOR COPYING OR ERASING THE DATA IN INTERNAL MEMORY

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

Note 1: When replacing the SY-209 board, erase the data in internal memory of the board before replacement.

Note 2: When replacing the SY-209 board, execute formatting and initializing 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 sufficient free capacity.
- ② Touch [Copy].
The message “All data on internal memory will be copied” appears.
- ③ Touch [OK].
Copying starts.

To cancel the copying

Touch [Cancel] or [BACK] in step ③.

- 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 select images to copy.
- 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 format the internal memory ([Format] in [Internal Memory Tool])
- A new folder is created on the “Memory Stick Duo” and all the data will be copied to it. You cannot choose a specific folder and copy images to it.
- The DPOF (Print order) marks on the images are not copied.

Method for Formatting the Internal Memory

This item does not appear when a “Memory Stick Duo” is inserted in the camera.

Format

Formats the internal memory.

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

- ① Touch [Format].
The message “All data on internal memory will be erased” appears.
- ② Touch [OK].
Formatting starts.

To cancel the formatting

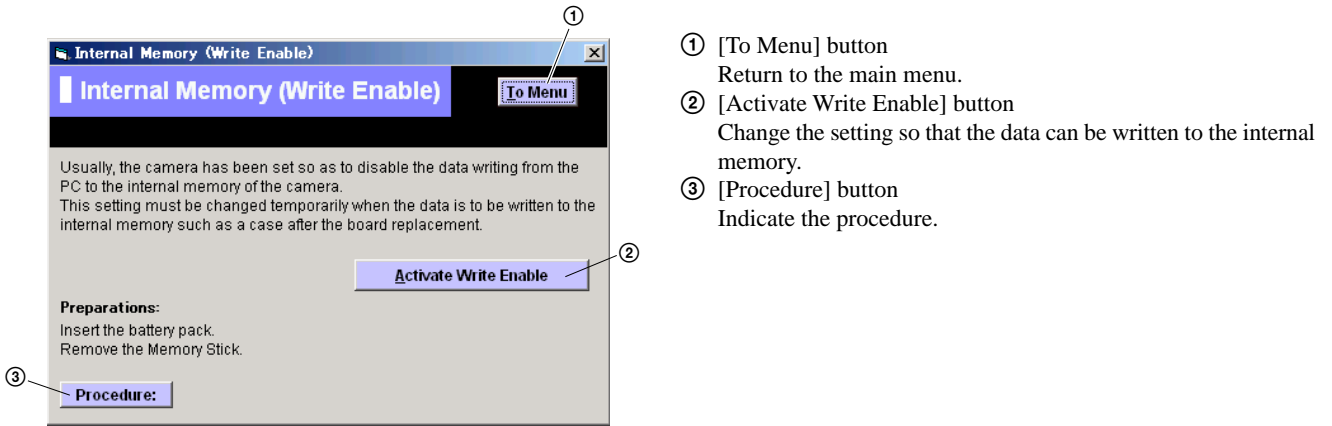
Touch [Cancel] or [BACK] in step ②.

1-5. INTERNAL MEMORY (Write Enable)

Usually, the camera has been set so as to disable the data writing from the PC to the internal memory of the camera. This setting must be changed temporarily when the data is to be written to the internal memory such as a case after the board replacement.

1. Function of Each Button on INTERNAL MEMORY (Write Enable) Screen

Click the [INTERNAL MEMORY (Write Enable)] button on the Main Menu screen, and the following “INTERNAL MEMORY (Write Enable)” screen will appear.



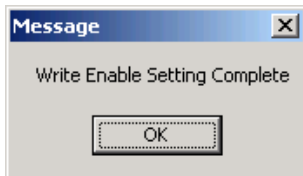
2. INTERNAL MEMORY (Write Enable)

[Preparations]

- Insert the battery pack.
- Remove the Memory Stick.

[Procedure]

- 1) Click the [Activate Write Enable] button.
- 2) Upon completion of the setting change, the following message will be displayed.



- 3) Disconnect the lead wire from the GND of the modified multioutput stand.
- 4) Disconnect the USB cable and reconnect the USB cable to activate the MassStorage mode for the USB connection.
- 5) Write the data read out into the PC to the internal memory of the camera.
- 6) Exit the adjustment program, and turn off the power of the camera, and the write enable setting will be cancelled.

1-7. PROCESS AFTER FIXING FLASH ERROR

When “FLASH error” (Self-diagnosis Code E : 91 : 01) occurs, to prevent any abnormal situation caused by high voltage, setting of the flash is changed automatically to disabling charge and flash setting.

After fixing, this setting needs to be deactivated. Flash error code can be initialized by the operations on the HOME screen.

Method for Initializing the Flash Error Code

Initialize

Initializes the setting to the default setting. Even if you execute this function, the images stored in the internal memory are retained.

- ① Touch [Initialize].
The message “Reset to default settings” appears.
- ② Touch [OK].
The settings are reset to the default setting.

To cancel initializing

Touch [Cancel] or [BACK] in step ②.

- Be sure not to power off the camera while initializing.

4-2. SCHEMATIC DIAGRAMS

Link

<ul style="list-style-type: none">• CD-745 FLEXIBLE BOARD (CCD IMAGER)	<ul style="list-style-type: none">• SY-209 BOARD (7/13) (DDR-SDRAM)
<ul style="list-style-type: none">• SY-209 BOARD (1/13) (DC/DC CONVERTER)	<ul style="list-style-type: none">• SY-209 BOARD (8/13) (CCD SIGNAL PROCESS)
<ul style="list-style-type: none">• SY-209 BOARD (2/13) (BATTERY DETECTOR/CLOCK GENERATOR)	<ul style="list-style-type: none">• SY-209 BOARD (9/13) (LENS DRIVE)
<ul style="list-style-type: none">• SY-209 BOARD (3/13) (POWER SUPPLY FOR IC401)	<ul style="list-style-type: none">• SY-209 BOARD (10/13) (OIS DRIVE)
<ul style="list-style-type: none">• SY-209 BOARD (4/13) (CPU, SIGNAL PROCESS)	<ul style="list-style-type: none">• SY-209 BOARD (11/13) (CHARACTER GENERATOR)
<ul style="list-style-type: none">• SY-209 BOARD (5/13) (LOAD REGISTER)	<ul style="list-style-type: none">• SY-209 BOARD (12/13) (CONNECTOR)
<ul style="list-style-type: none">• SY-209 BOARD (6/13) (NAND FLASH MEMORY)	<ul style="list-style-type: none">• SY-209 BOARD (13/13) (MIC AMP)

- COMMON NOTE FOR SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

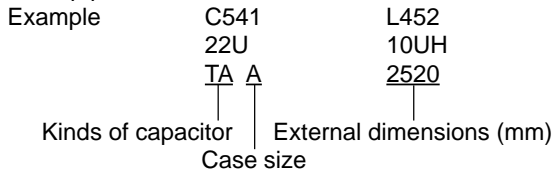
4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

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



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

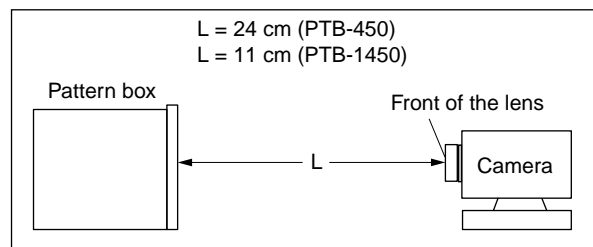
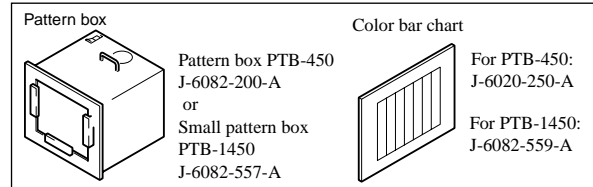
(Measuring conditions voltage and waveform)

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

Precautions 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.

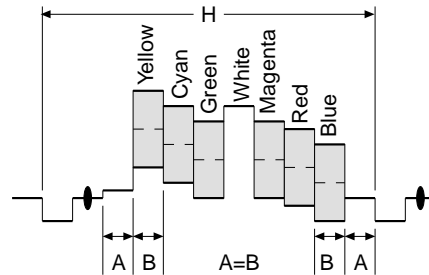


Fig. a (Video output terminal output waveform)

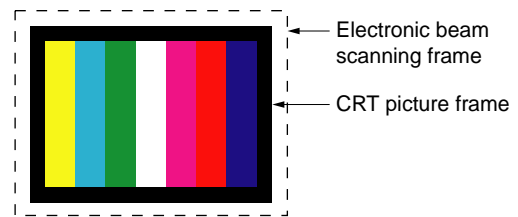
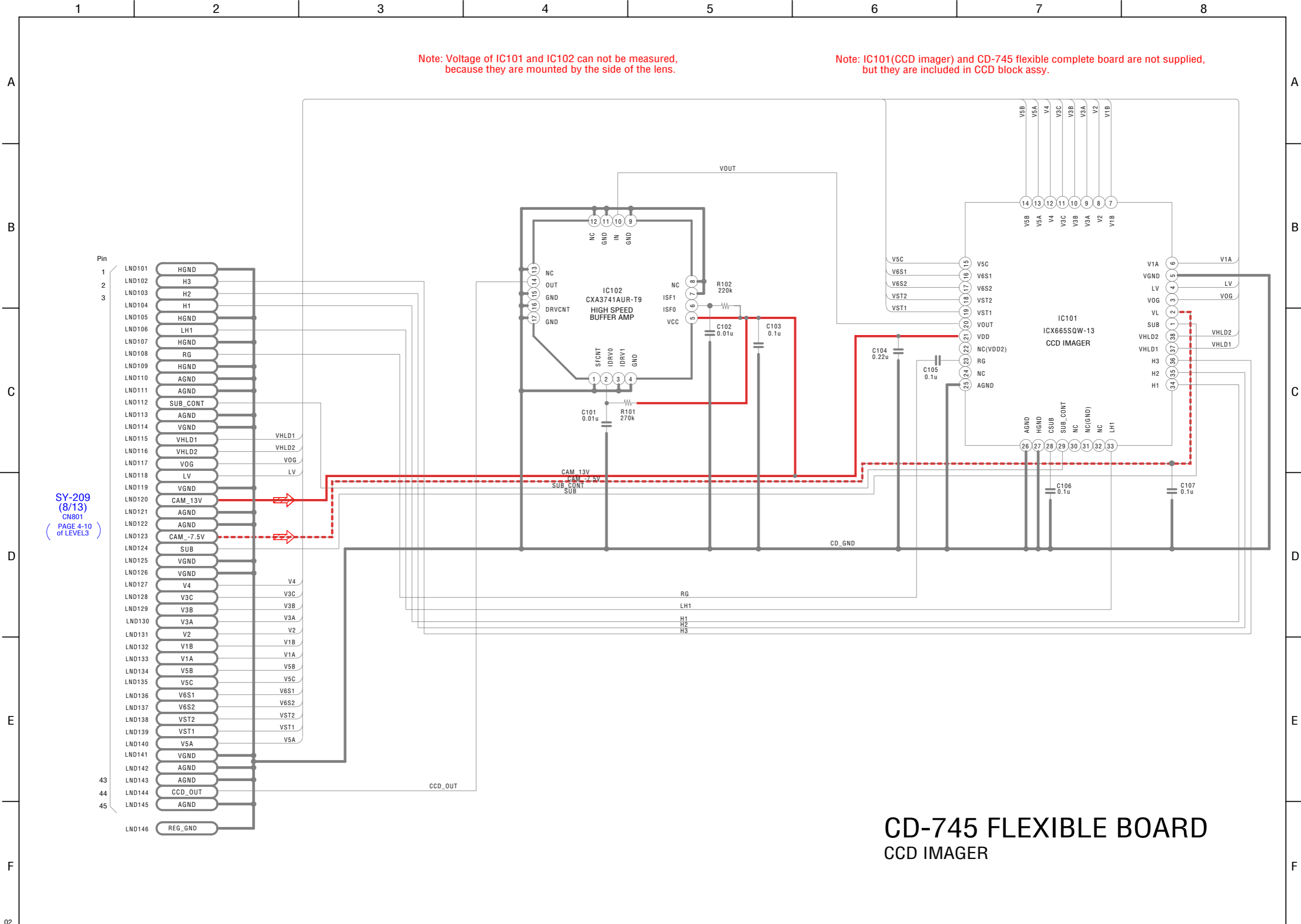


Fig.b (Picture on monitor TV)

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

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

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

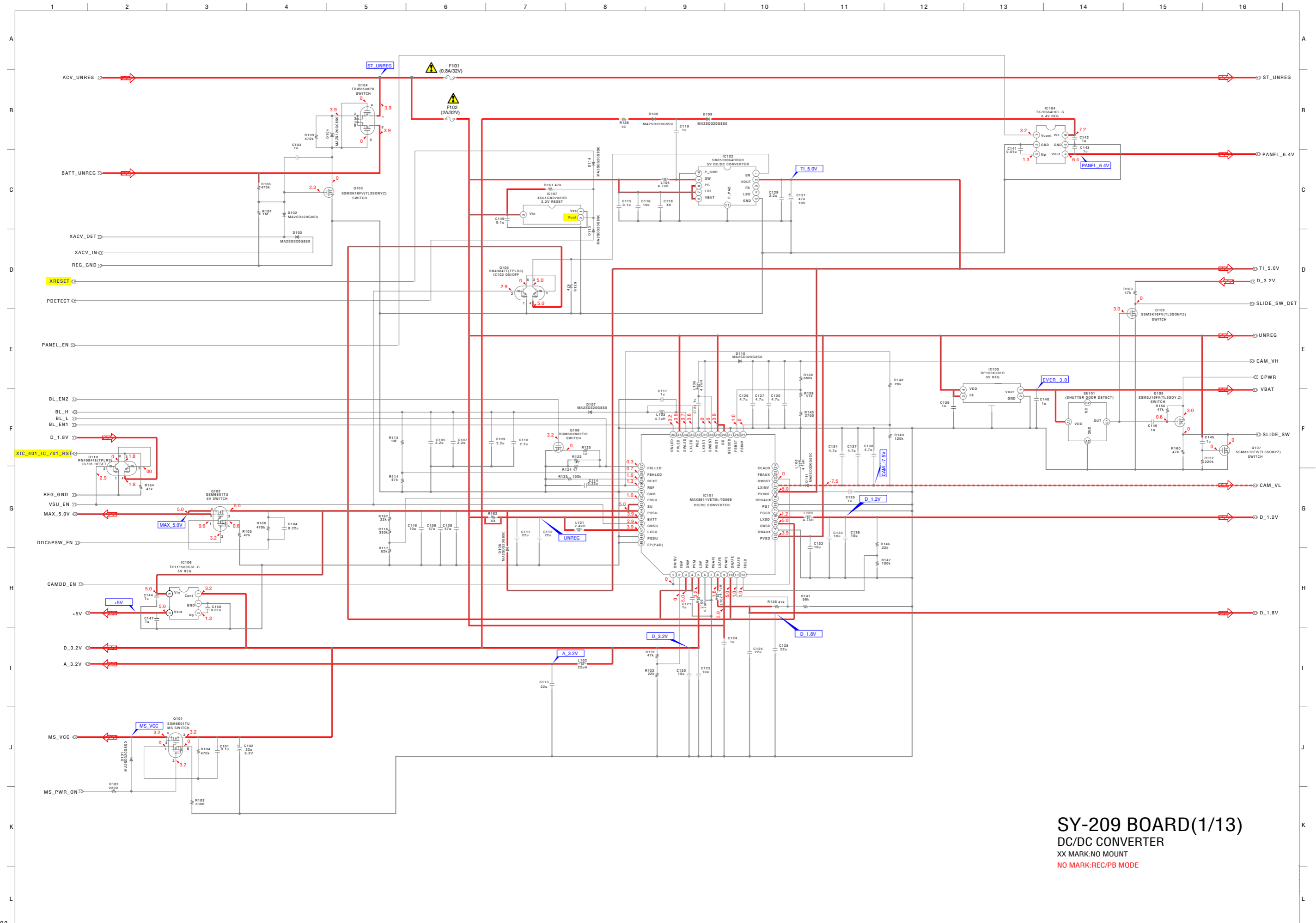


Note: Voltage of IC101 and IC102 can not be measured, because they are mounted by the side of the lens.

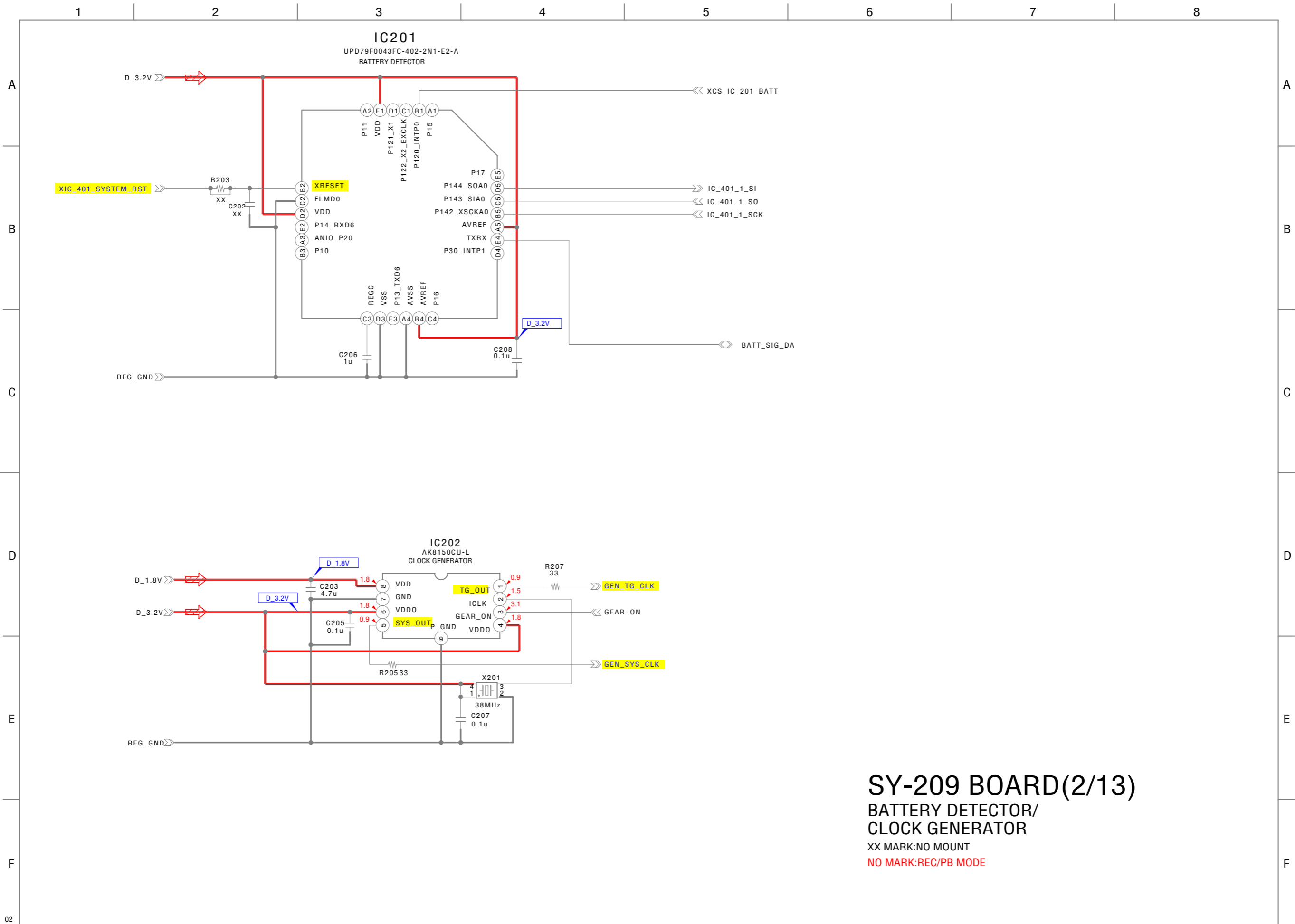
Note: IC101(CCD imager) and CD-745 flexible complete board are not supplied, but they are included in CCD block assy.

SY-209
(8/13)
CN801
(PAGE 4-10
of LEVEL3)

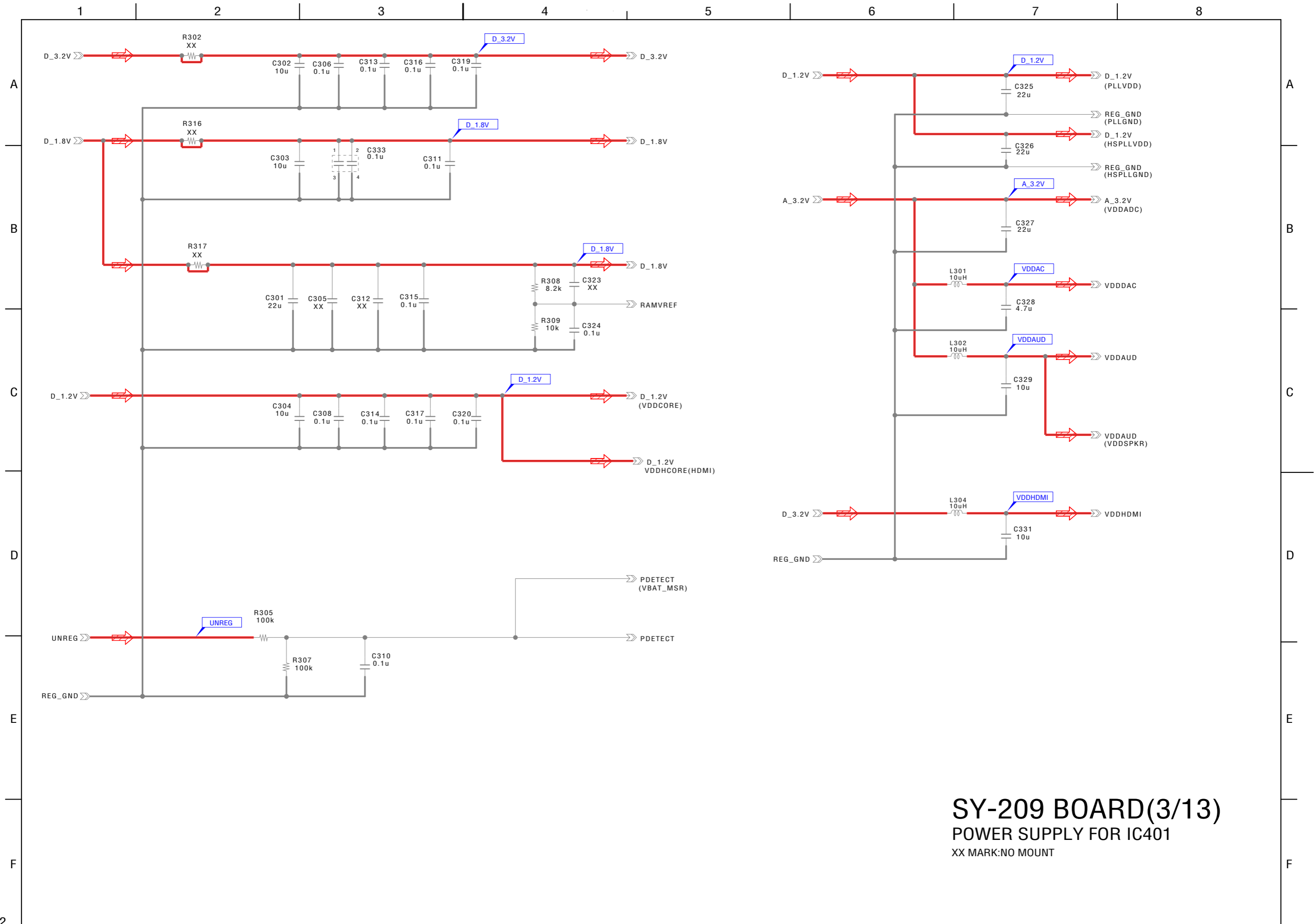
CD-745 FLEXIBLE BOARD CCD IMAGER

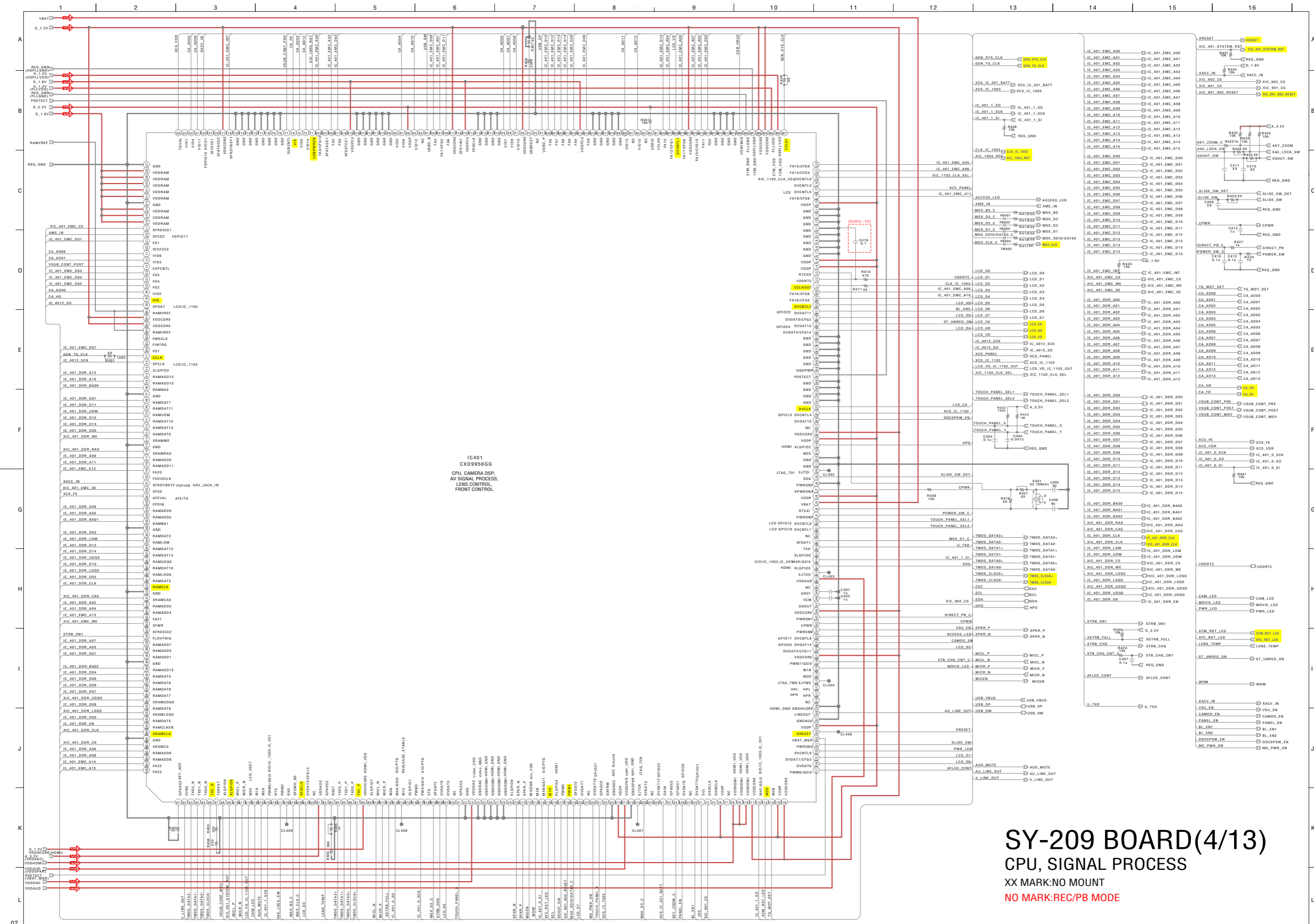


SY-209 BOARD(1/13)
DC/DC CONVERTER
XX MARK:NO MOUNT
NO MARK:REC/PB MODE



SY-209 BOARD(2/13)
**BATTERY DETECTOR/
 CLOCK GENERATOR**
 XX MARK:NO MOUNT
 NO MARK:REC/PB MODE

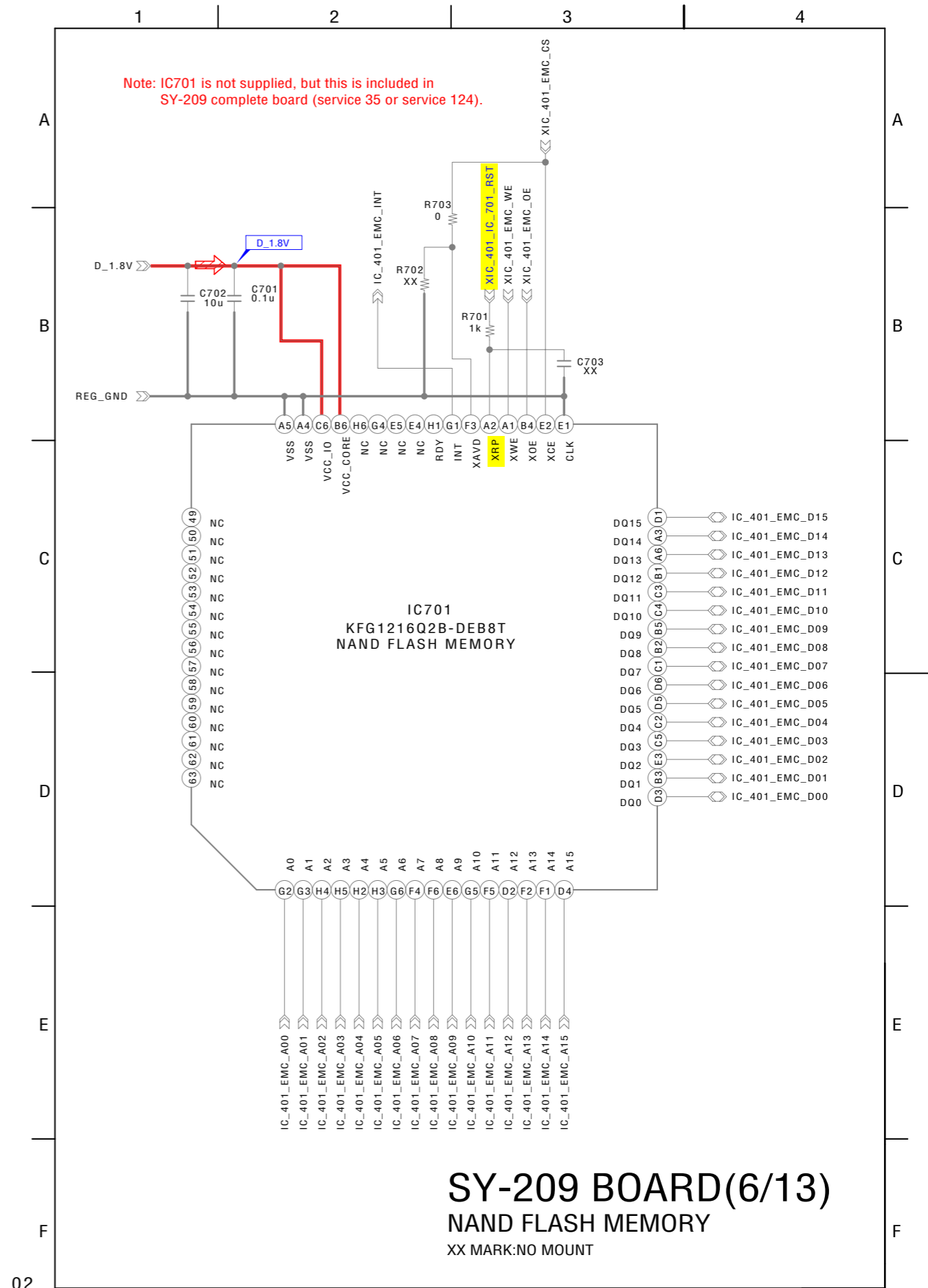
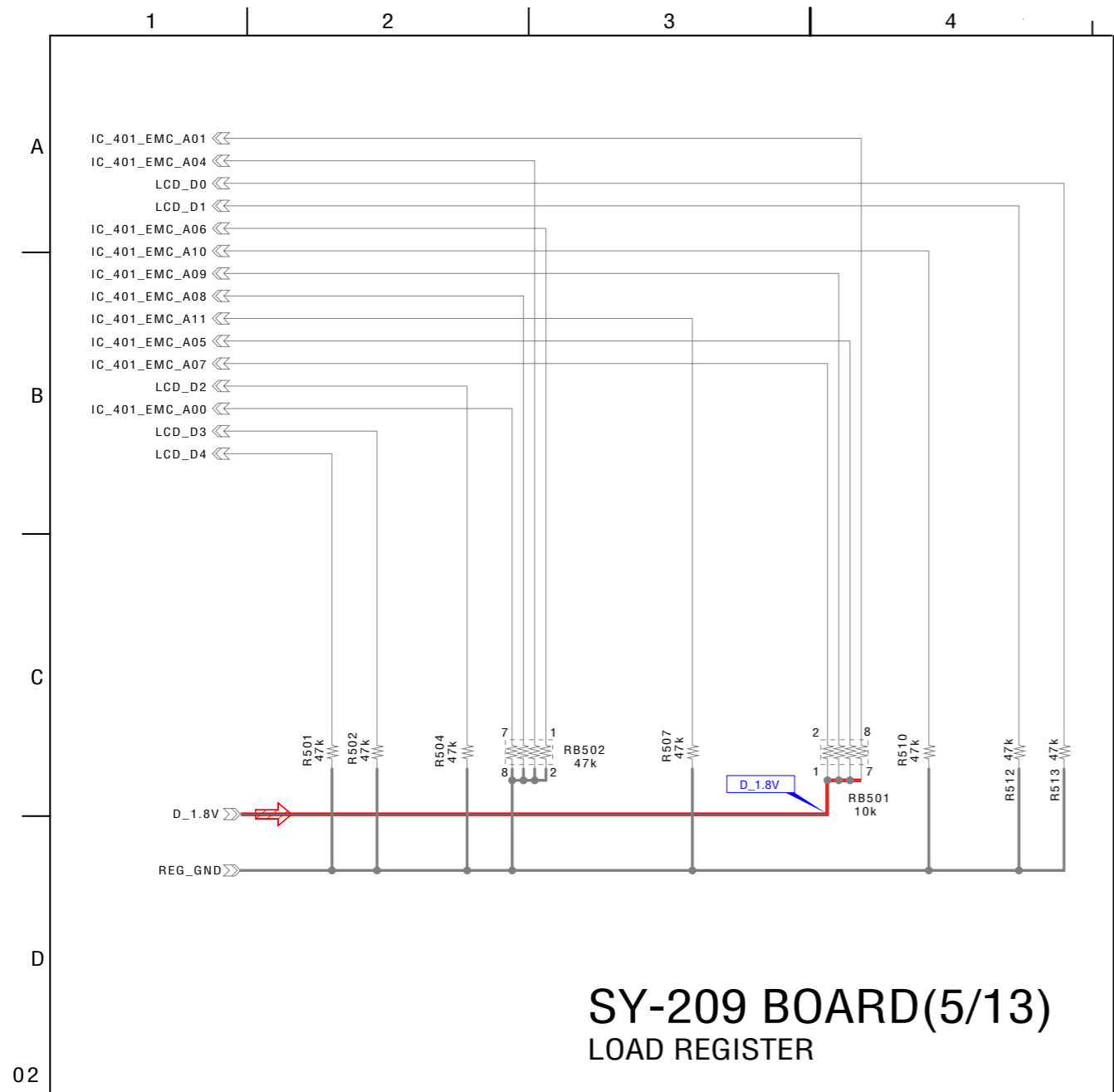


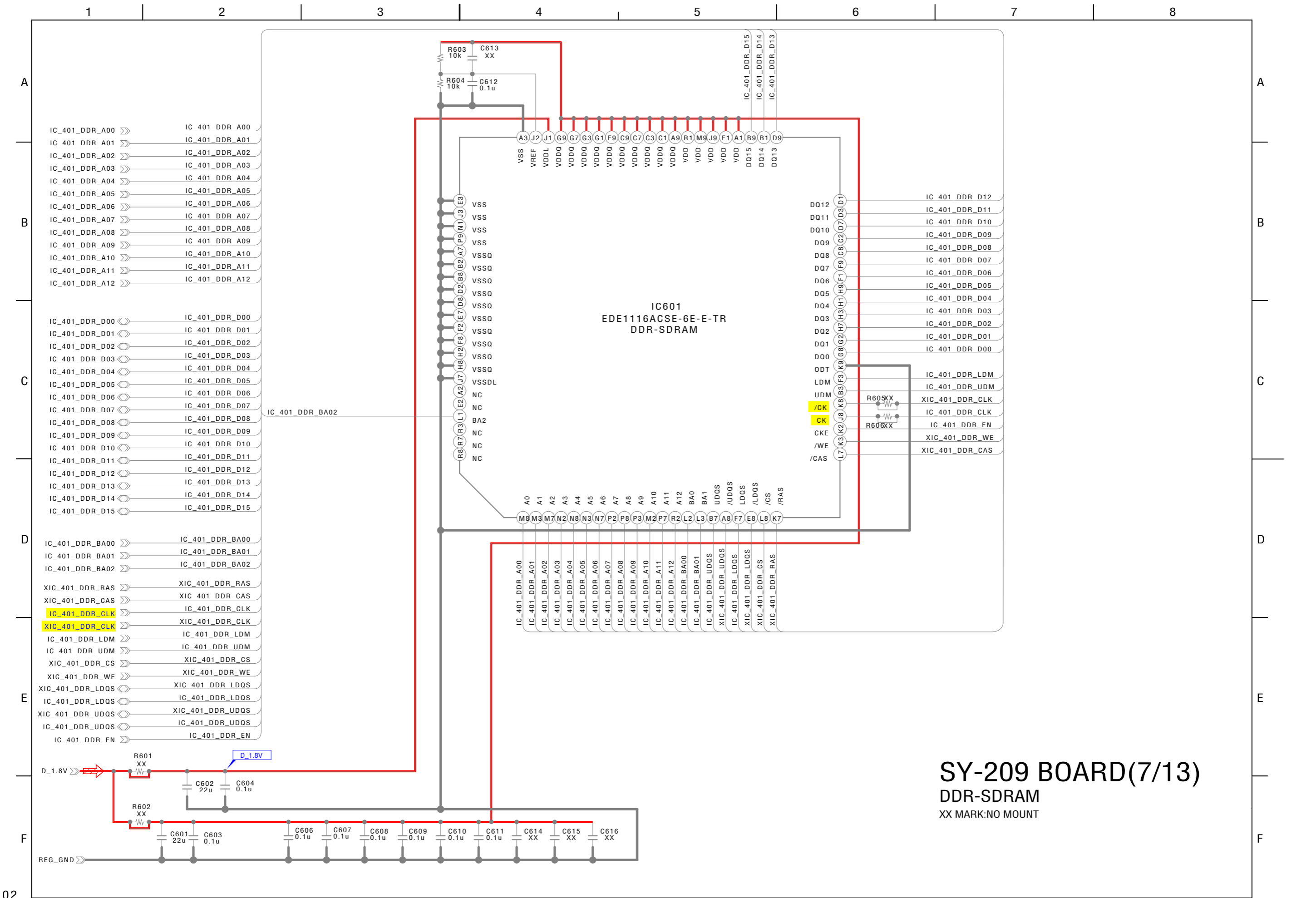


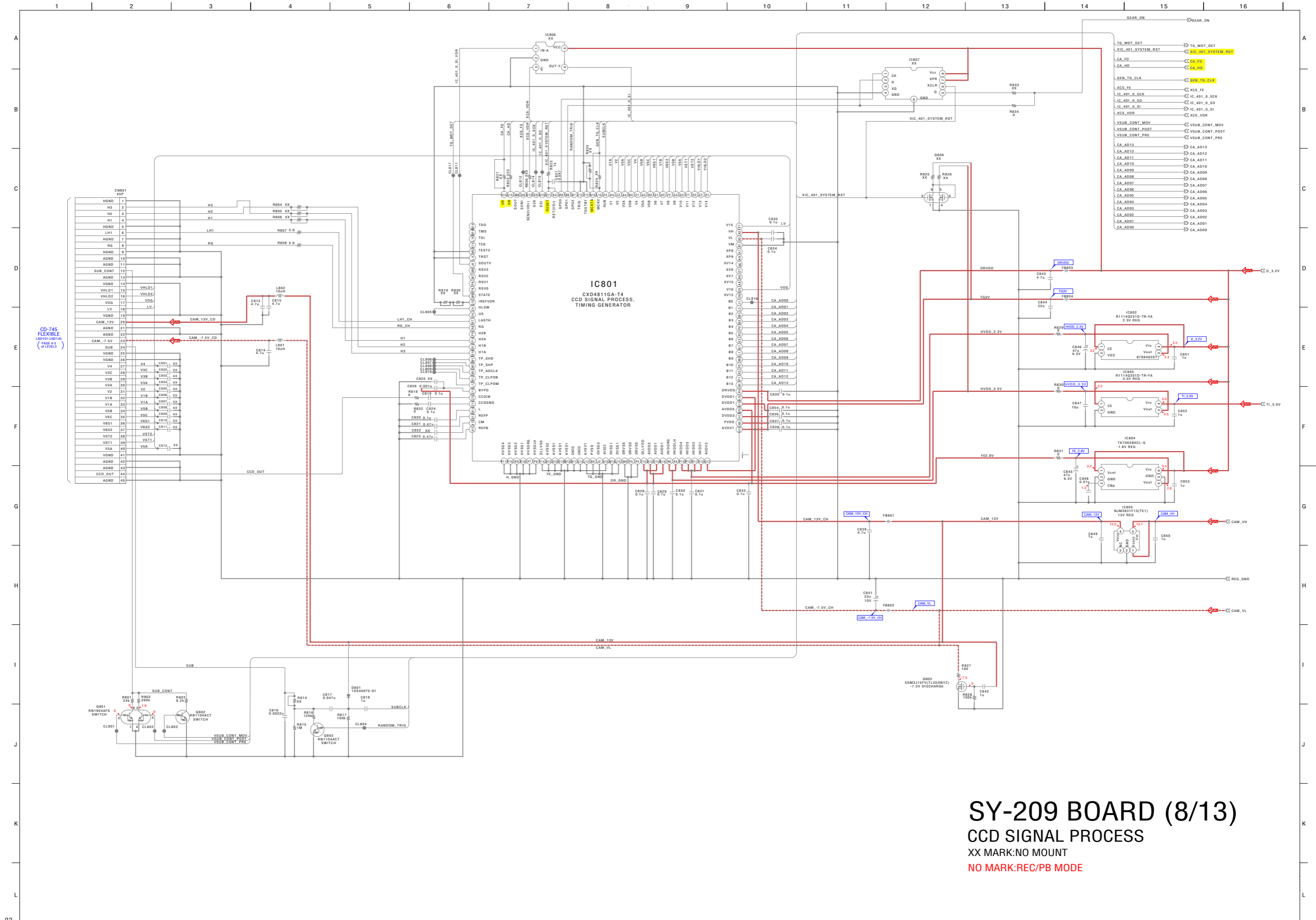
SY-209 BOARD(4/13)

CPU, SIGNAL PROCESS

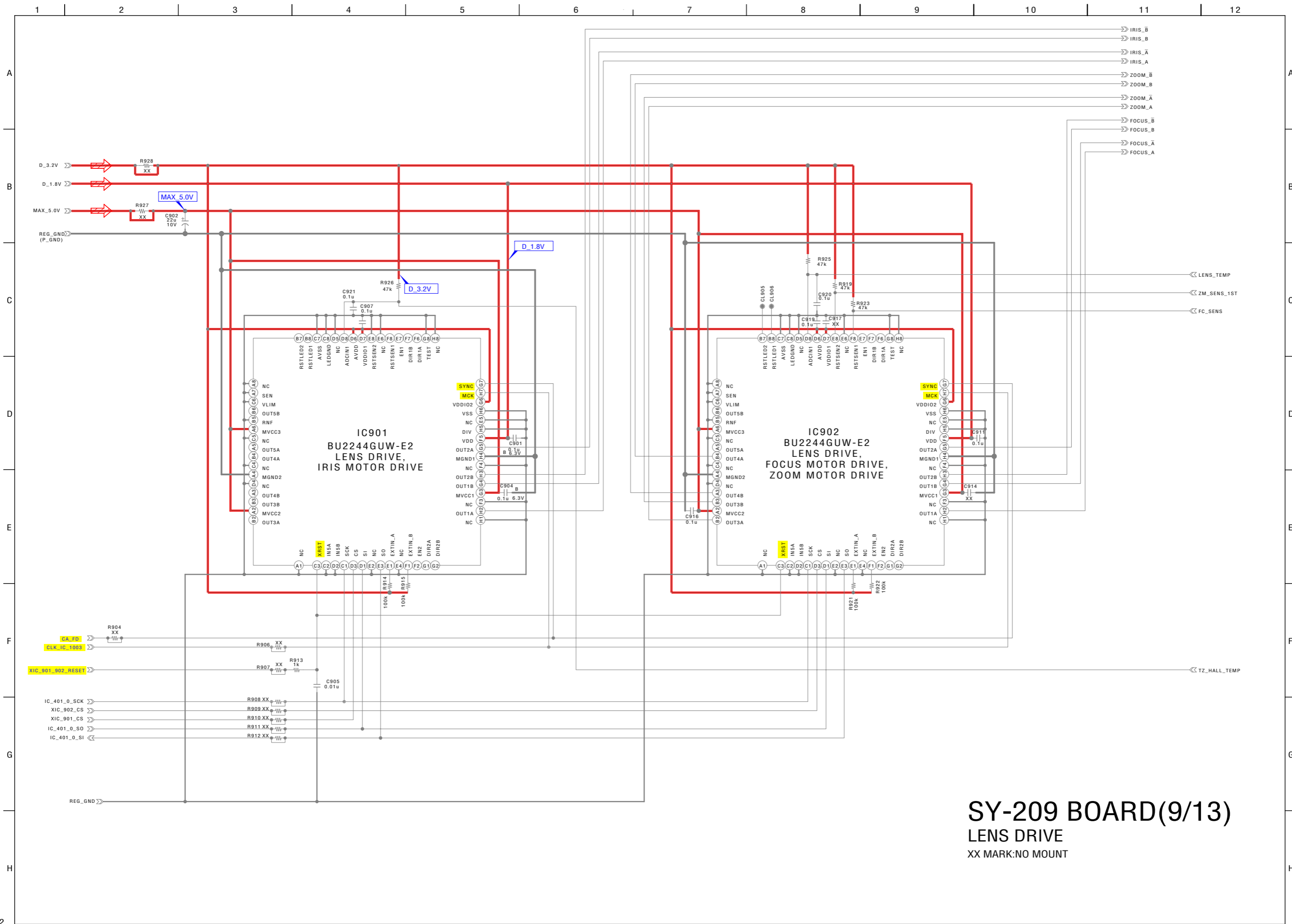
XX MARK:NO MOUNT
NO MARK:REC/PB MODE

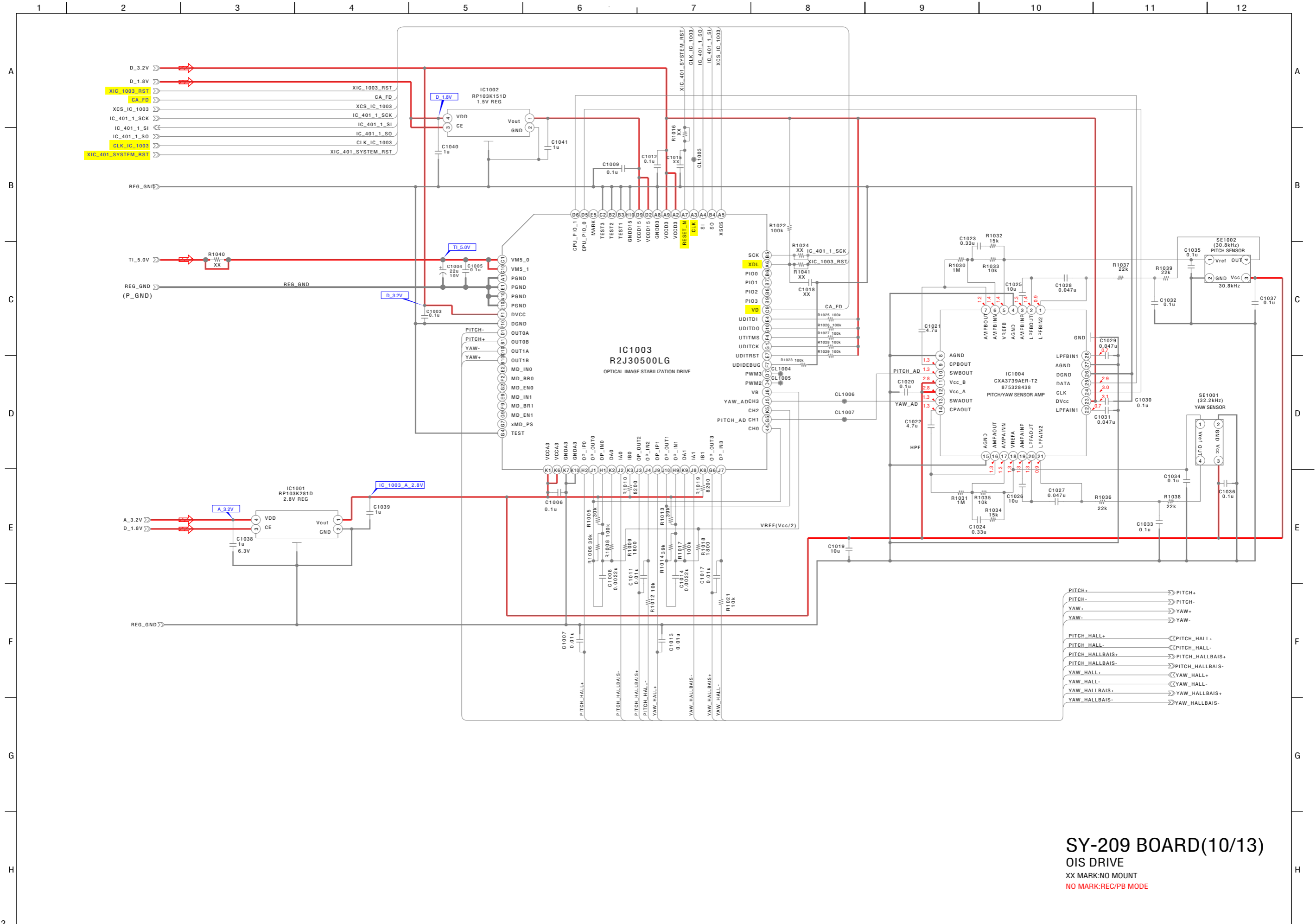




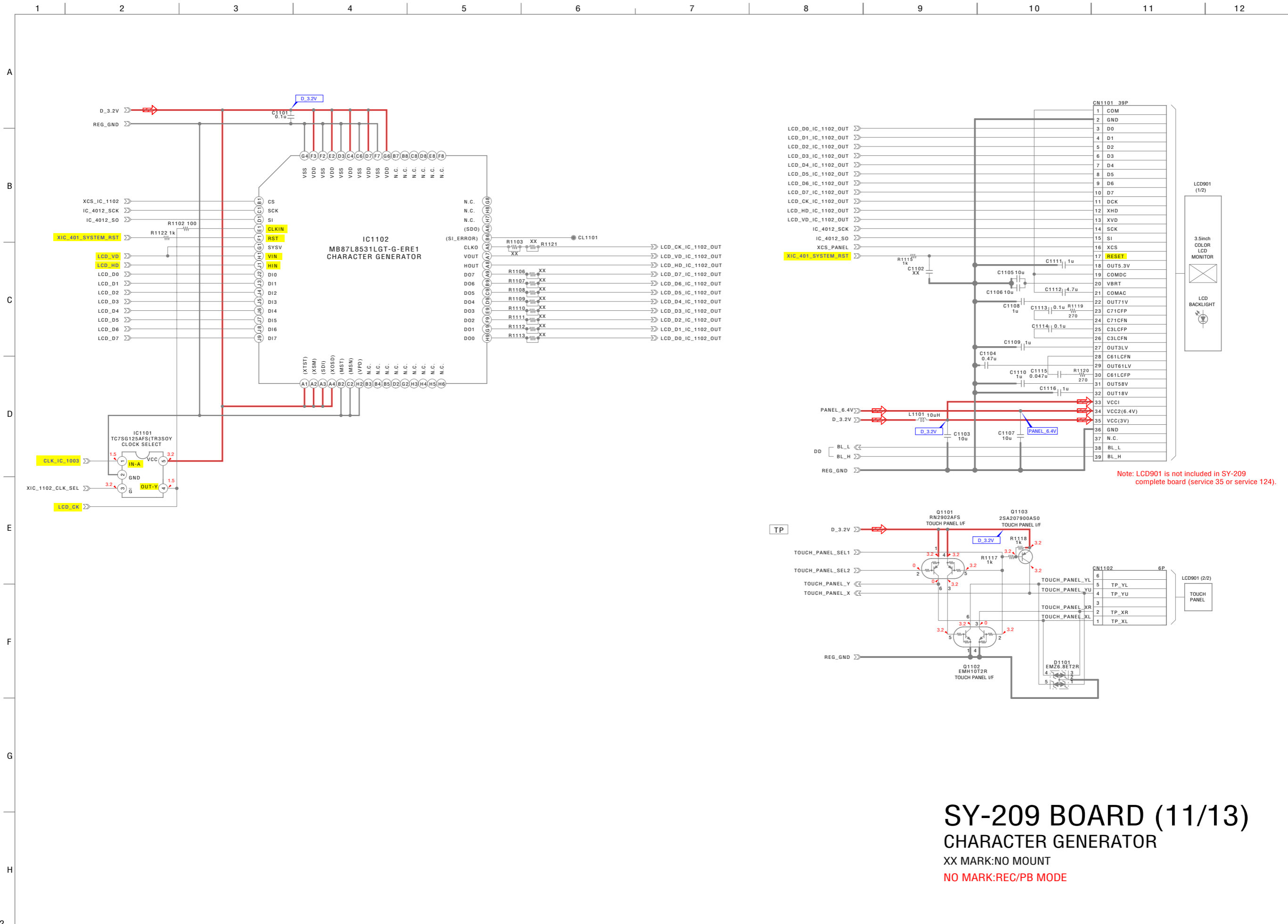


SY-209 BOARD (8/13)
CCD SIGNAL PROCESS
 XX MARK:NO MOUNT
 NO MARK:REC/PB MODE

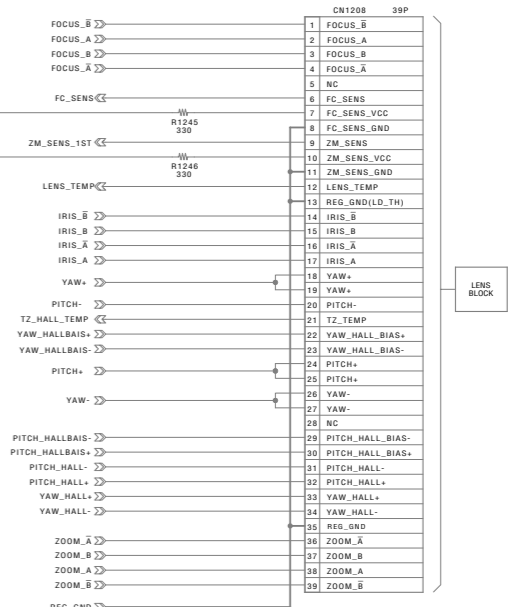
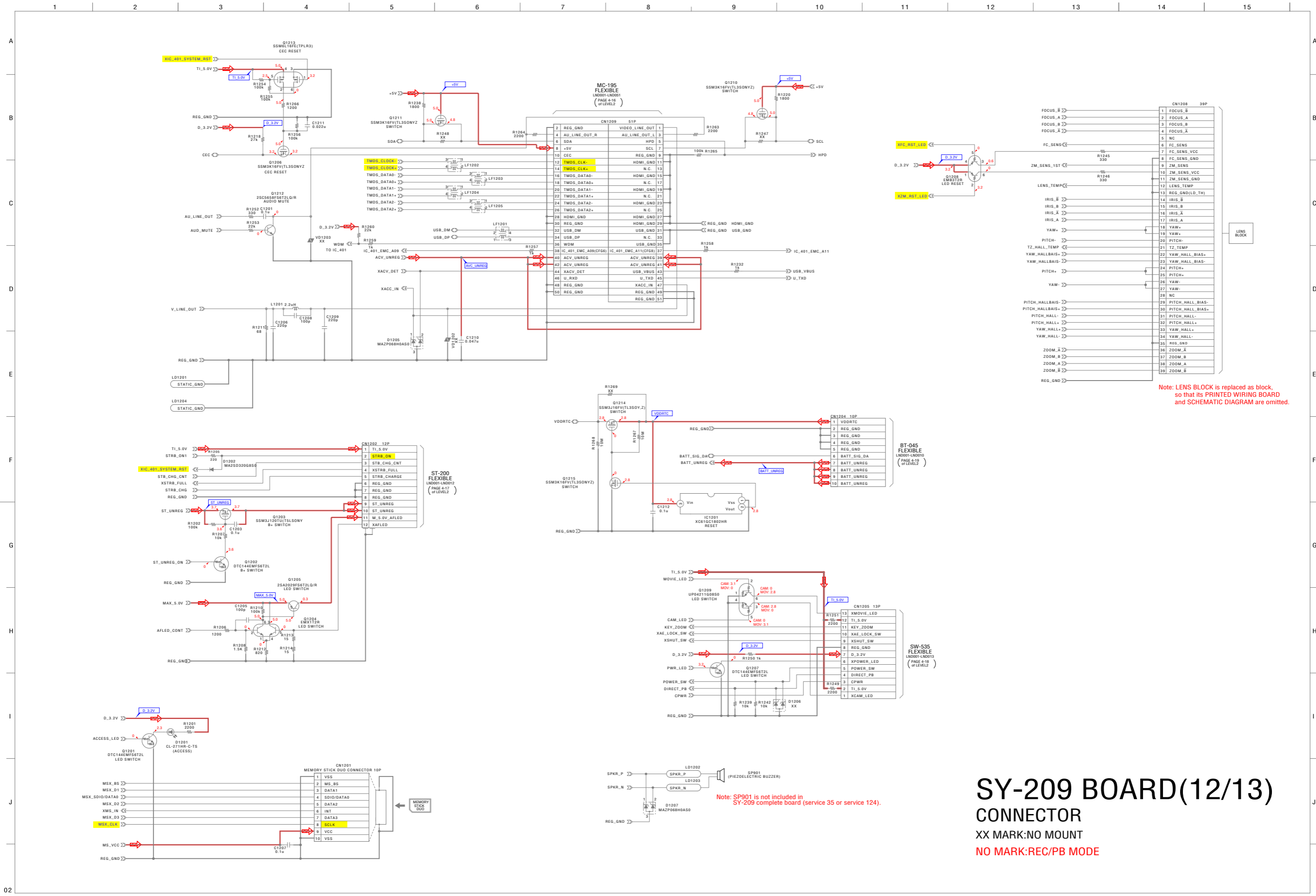




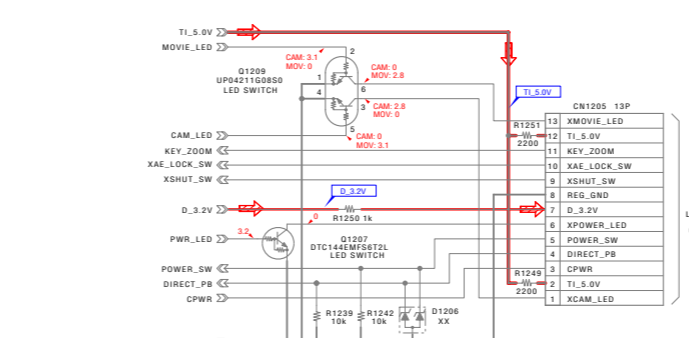
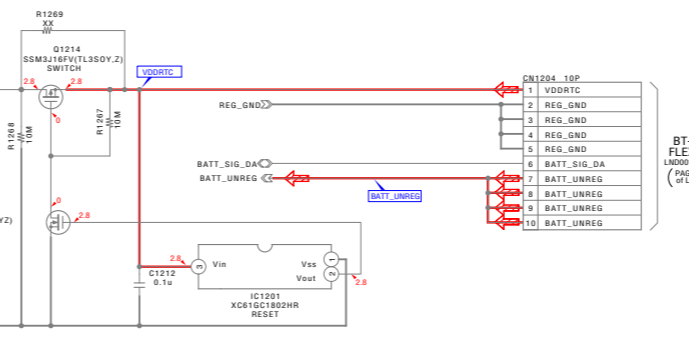
SY-209 BOARD(10/13)
OIS DRIVE
 XX MARK:NO MOUNT
 NO MARK:REG/PB MODE



Note: LCD901 is not included in SY-209 complete board (service 35 or service 124).



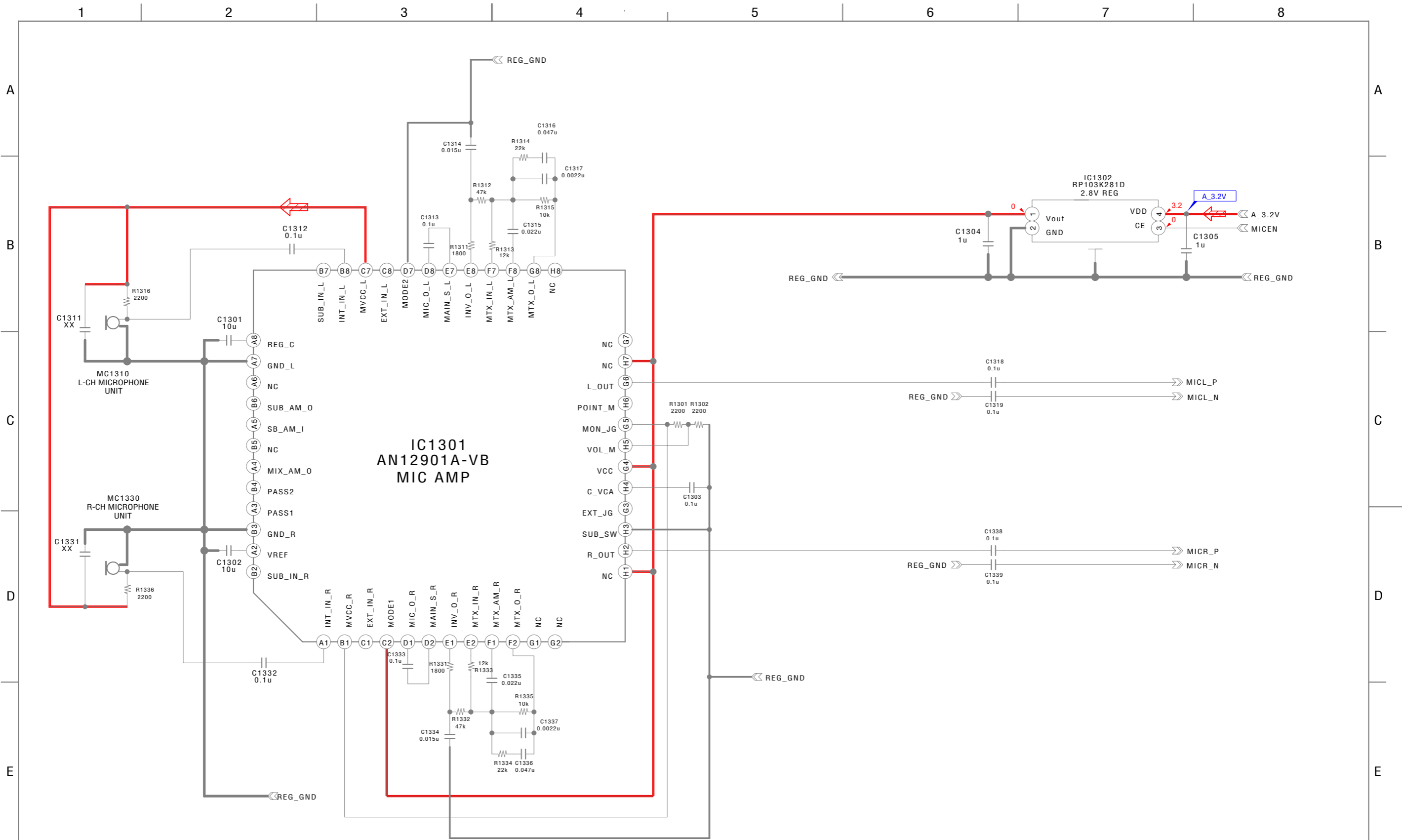
Note: LENS BLOCK is replaced as block, so that its PRINTED WIRING BOARD and SCHEMATIC DIAGRAM are omitted.



SY-209 BOARD(12/13) CONNECTOR

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

Note: SP901 is not included in SY-209 complete board (service 35 or service 124).



Note: Be sure to read "Precaution on Replacing the Microphone" on page 1-2 when changing the microphone.

SY-209 BOARD(13/13)
MIC AMP
 XX MARK:NO MOUNT
 NO MARK:REC/PB MODE

4-3. PRINTED WIRING BOARDS

Link

• [CD-745 FLEXIBLE BOARD](#)

• [SY-209 BOARD \(SIDE B\)](#)

• [SY-209 BOARD \(SIDE A\)](#)

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

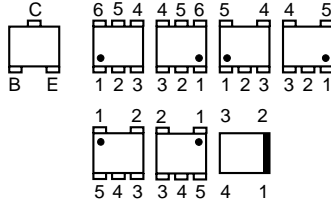
4-3. PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

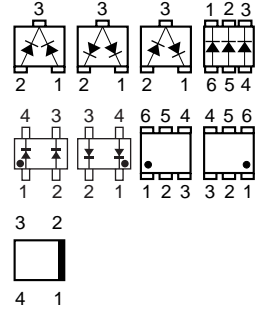
THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS

- : 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

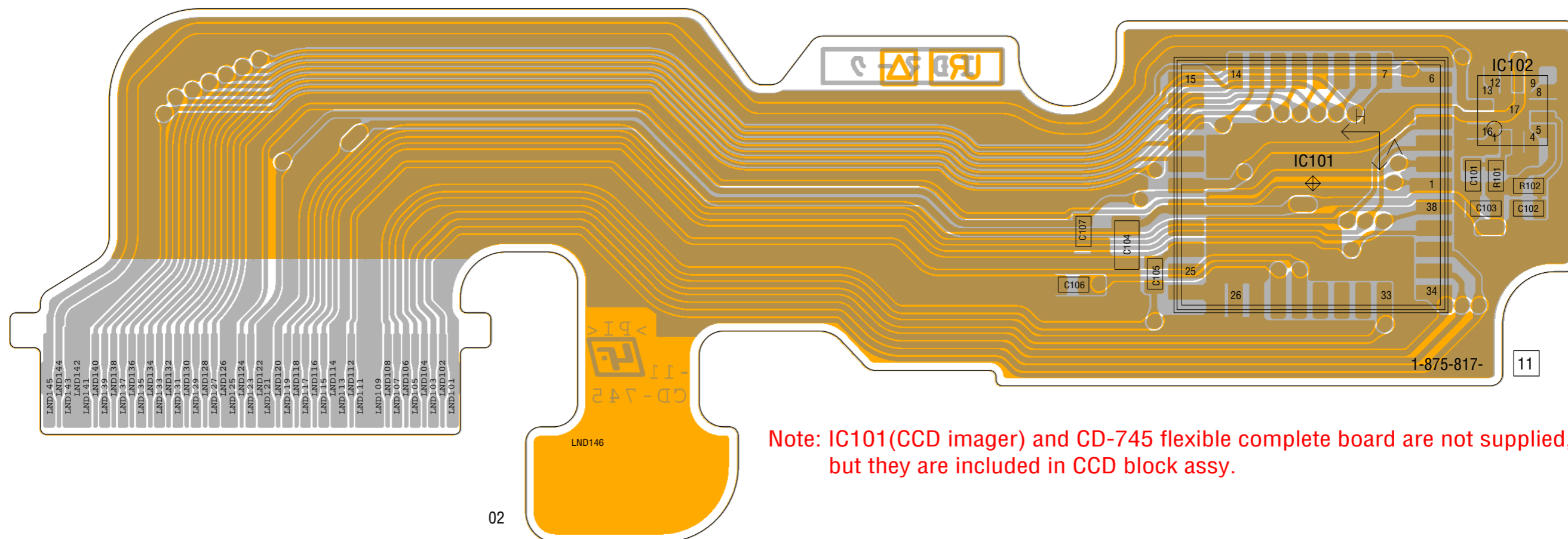
• Chip parts.
Transistor



Diode



CD-745 FLEXIBLE BOARD



Note: IC101(CCD imager) and CD-745 flexible complete board are not supplied, but they are included in CCD block assy.

: Uses unleaded solder.

SY-209 BOARD (SIDE A)

MC1330
R-CH MICROPHONE
UNIT

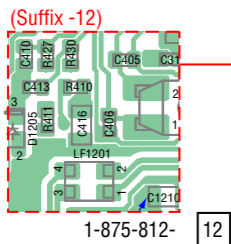
MC1310
L-CH MICROPHONE
UNIT

Note: Be sure to read "Precaution on Replacing the Microphone" on page 1-2 when changing the microphone.

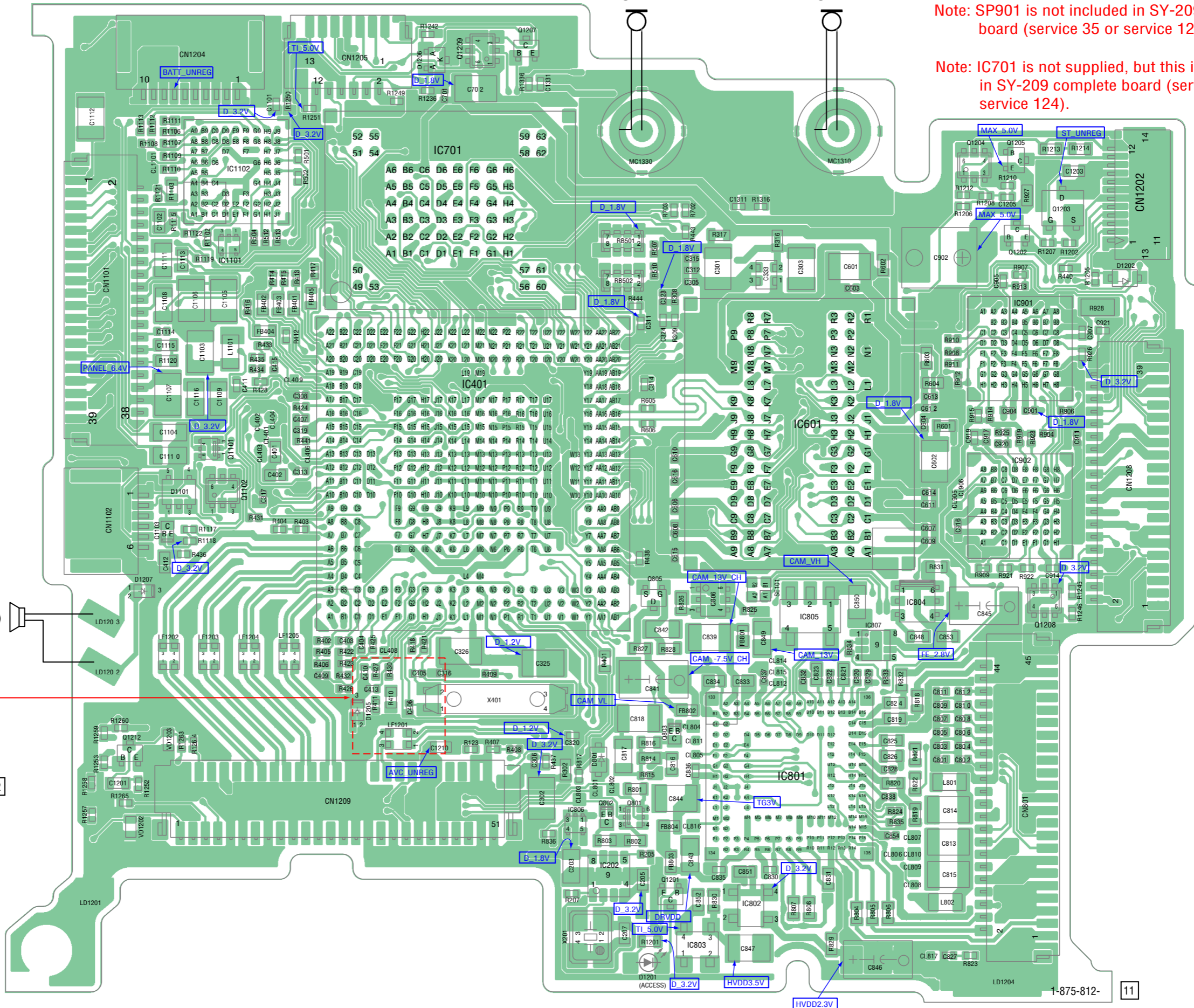
Note: SP901 is not included in SY-209 complete board (service 35 or service 124).

Note: IC701 is not supplied, but this is included in SY-209 complete board (service 35 or service 124).

SP901
(PIEZOELECTRIC BUZZER)



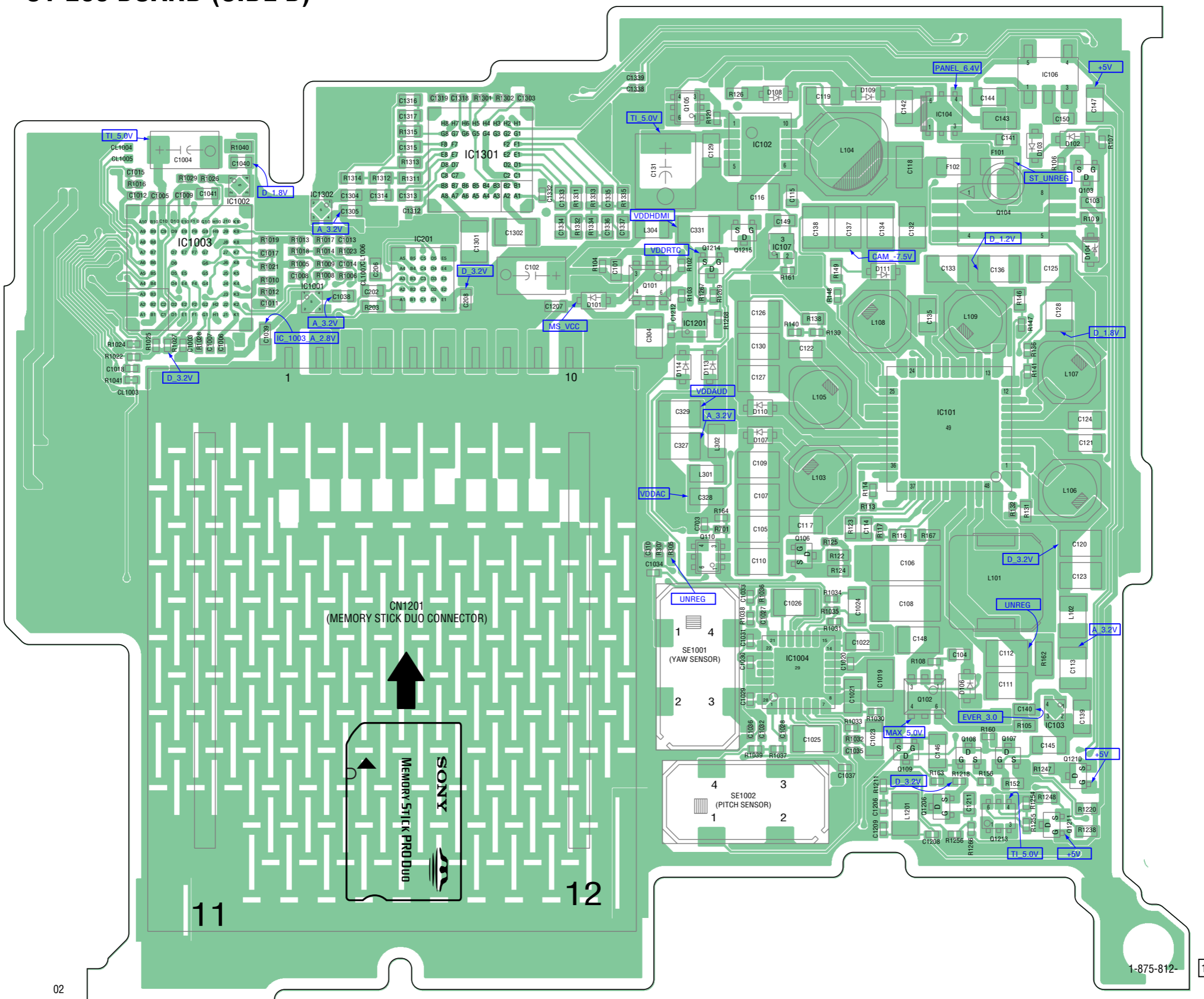
02



02

1-875-812- 11

SY-209 BOARD (SIDE B)



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...

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.

- Color Indication of Appearance Parts
Example:
(SILVER) : Cabinet's Color
(Silver) : Parts Color

- Abbreviation
AR : Argentine model
AUS : Australian model
BR : Brazilian model
CH : Chinese model
CND : Canadian model
HK : Hong Kong model
JE : Tourist model
KR : Korea model
TH : Thai model

5-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
	A-1549-015-A	CCD BLOCK ASSY
	(Not supplied)	CD-745 FLEXIBLE BOARD, COMPLETE

(IC101 (CCD imager) and CD-745 flexible complete board are not supplied, but they are included in CCD block assy.)

< CAPACITOR >

C101	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C102	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
* C103	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
C104	1-127-715-11	CERAMIC CHIP	0.22uF	10%	16V
* C105	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
* C106	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V
C107	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

< IC >

IC101 (Not supplied) ICX665SQW-13
(IC101 is supplied including in CCD block assy.)

* IC102 8-753-294-89 IC CXA3741AUR-T9

< RESISTOR >

R101	1-218-982-11	METAL CHIP	270K	5%	1/16W
R102	1-218-981-91	RES-CHIP	220K	5%	1/16W

Note: Be sure to read "Precautions for Replacement of Imager" on page 4-2 when changing the imager.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description			
A-1547-808-A	SY-209 BOARD, COMPLETE (SERVICE 124)		C205	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	(EXCEPT AEP, UK)		C206	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
A-1547-809-A	SY-209 BOARD, COMPLETE (SERVICE 35)		C207	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	(AEP, UK)		C208	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
	*****		C301	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
(IC701 is not supplied, but this is included in SY-209 complete board (service 35 or service 124).)								
< CAPACITOR >								
C101	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V			
C102	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V			
C103	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V			
C104	1-165-887-91	CERAMIC CHIP	0.22uF	10%	6.3V			
C105	1-114-098-91	CERAMIC CHIP	2.2uF	20%	25V			
C106	1-100-881-91	CERAMIC CHIP	47uF	20%	6.3V			
C107	1-114-098-91	CERAMIC CHIP	2.2uF	20%	25V			
C108	1-100-881-91	CERAMIC CHIP	47uF	20%	6.3V			
C109	1-114-098-91	CERAMIC CHIP	2.2uF	20%	25V			
C110	1-114-098-91	CERAMIC CHIP	2.2uF	20%	25V			
C111	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C112	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C113	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C114	1-165-887-91	CERAMIC CHIP	0.22uF	10%	6.3V			
C115	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V			
C116	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C117	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C119	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C120	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C121	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C122	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C123	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C124	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C125	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C126	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C127	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C128	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C129	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V			
C130	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
* C131	1-112-662-91	TANTAL. CHIP	47uF	20%	10V			
C132	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C133	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C134	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C135	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C136	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C137	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C138	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C139	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C140	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V			
C141	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V			
C142	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C143	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C144	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C145	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C146	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C147	1-165-908-11	CERAMIC CHIP	1uF	10%	10V			
C148	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C149	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V			
C150	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V			
C203	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V			
C302	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C303	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C304	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C306	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C308	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C310	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C311	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C313	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C314	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C315	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C316	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C317	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C319	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C320	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C324	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C325	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C326	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C327	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C328	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V			
C329	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C331	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C333	1-100-252-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C401	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V			
C402	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V			
C403	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C404	1-100-965-91	CERAMIC CHIP	0.047uF	10%	6.3V			
C405	1-127-999-91	CERAMIC CHIP	9PF	0.5PF	25V			
C406	1-127-999-91	CERAMIC CHIP	9PF	0.5PF	25V			
C407	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C410	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C412	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V			
C413	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C416	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V			
C601	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			(Suffix -12)
C602	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V			
C603	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C604	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C606	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C607	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C608	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C609	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C610	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C611	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C612	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C701	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V			
C702	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V			
C813	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C814	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C815	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V			
C816	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V			
C817	1-100-756-91	CERAMIC CHIP	0.047uF		50V			
C818	1-100-591-91	CERAMIC CHIP	1uF	10%	25V			

Ref. No.	Part No.	Description					Ref. No.	Part No.	Description			
* C819	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V		C1022	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
C820	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1023	1-128-934-61	CERAMIC CHIP	0.33uF	10%	10V
C821	1-100-415-91	CERAMIC CHIP	0.47uF	10%	6.3V		C1024	1-128-934-61	CERAMIC CHIP	0.33uF	10%	10V
C823	1-100-415-91	CERAMIC CHIP	0.47uF	10%	6.3V		C1025	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
* C824	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V		C1026	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C826	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V		C1027	1-100-965-91	CERAMIC CHIP	0.047uF	10%	6.3V
C827	1-100-965-91	CERAMIC CHIP	0.047uF	10%	6.3V		C1028	1-100-965-91	CERAMIC CHIP	0.047uF	10%	6.3V
C828	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1029	1-100-965-91	CERAMIC CHIP	0.047uF	10%	6.3V
C829	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1030	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C830	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1031	1-100-965-91	CERAMIC CHIP	0.047uF	10%	6.3V
C831	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C1032	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C832	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1033	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C833	1-114-582-11	CERAMIC CHIP	0.1uF	10%	16V		C1034	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C834	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V		C1035	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C835	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1036	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C836	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1037	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C837	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1038	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C838	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1039	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C839	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V		C1040	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C841	1-165-897-11	TANTAL. CHIP	22uF	20%	10V		C1041	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
* C842	1-112-298-91	CERAMIC CHIP	1uF	10%	16V		C1101	1-100-504-91	CERAMIC CHIP	0.1uF	20%	6.3V
C843	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V		C1103	1-112-342-91	CERAMIC CHIP	10uF	20%	10V
C844	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V		C1104	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C845	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V		C1105	1-112-342-91	CERAMIC CHIP	10uF	20%	10V
C846	1-100-539-91	TANTAL. CHIP	47uF	20%	6.3V		C1106	1-112-342-91	CERAMIC CHIP	10uF	20%	10V
C847	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C1107	1-112-342-91	CERAMIC CHIP	10uF	20%	10V
C848	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V		C1108	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
* C849	1-112-298-91	CERAMIC CHIP	1uF	10%	16V		C1109	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
* C850	1-112-298-91	CERAMIC CHIP	1uF	10%	16V		C1110	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C851	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V		C1111	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C852	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V		C1112	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C853	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V		C1113	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C854	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1114	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C901	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1115	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C902	1-100-663-11	TANTAL. CHIP	22uF	20%	10V		C1116	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C904	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1201	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C905	1-128-632-91	CERAMIC CHIP	0.01uF	10%	6.3V		C1203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C907	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1205	1-128-617-91	CERAMIC CHIP	100PF	5%	25V
C911	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1206	1-128-623-91	CERAMIC CHIP	220PF	10%	16V
C916	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1207	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C919	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1208	1-128-617-91	CERAMIC CHIP	100PF	5%	25V
C920	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1209	1-128-623-91	CERAMIC CHIP	220PF	10%	16V
C921	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1210	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C1003	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1211	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C1004	1-100-844-91	TANTAL. CHIP	22uF	20%	10V		C1212	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1005	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1301	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1006	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1302	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C1007	1-128-632-91	CERAMIC CHIP	0.01uF	10%	6.3V		C1303	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1008	1-128-628-91	CERAMIC CHIP	0.0022uF	10%	6.3V		C1304	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C1009	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1305	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C1011	1-128-632-91	CERAMIC CHIP	0.01uF	10%	6.3V		C1312	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1012	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1313	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C1013	1-128-632-91	CERAMIC CHIP	0.01uF	10%	6.3V		C1314	1-127-988-81	CERAMIC CHIP	0.015uF	10%	16V
C1014	1-128-628-91	CERAMIC CHIP	0.0022uF	10%	6.3V		C1315	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C1017	1-128-632-91	CERAMIC CHIP	0.01uF	10%	6.3V		C1316	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C1019	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V		C1317	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C1020	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V		C1318	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C1021	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V		C1319	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V

Ref. No.	Part No.	Description
C1332	1-112-716-11	CERAMIC CHIP 0.1uF 10% 6.3V
C1333	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V
C1334	1-127-988-81	CERAMIC CHIP 0.015uF 10% 16V
C1335	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V
C1336	1-119-923-11	CERAMIC CHIP 0.047uF 10% 10V
C1337	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V
C1338	1-112-716-11	CERAMIC CHIP 0.1uF 10% 6.3V
C1339	1-112-716-11	CERAMIC CHIP 0.1uF 10% 6.3V
< CONNECTOR >		
* CN801	1-821-202-81	CONNECTOR, FPC (ZIF) 45P
* CN1101	1-817-942-81	CONNECTOR, FPC (ZIF) 39P
CN1102	1-816-654-61	FFC/FPC CONNECTOR (LIF) 6P
CN1201	1-819-613-22	MEMORY STICK DUO CONNECTOR 10P
* CN1202	1-819-973-51	CONNECTOR, FPC (LIF (NON-ZIF))
CN1204	1-816-643-51	FFC/FPC CONNECTOR (LIF) 10P
* CN1205	1-818-881-81	CONNECTOR, FPC (ZIF) 13P
* CN1208	1-817-942-81	CONNECTOR, FPC (ZIF) 39P
* CN1209	1-821-501-11	CONNECTOR, FPC (ZIF) 51P
< DIODE >		
* D101	6-502-150-01	DIODE MA2SD320G8S0
* D102	6-502-150-01	DIODE MA2SD320G8S0
* D103	6-502-150-01	DIODE MA2SD320G8S0
* D104	6-501-961-01	DIODE MAZS120G08S0
* D106	6-502-150-01	DIODE MA2SD320G8S0
* D107	6-502-150-01	DIODE MA2SD320G8S0
* D108	6-502-150-01	DIODE MA2SD320G8S0
* D109	6-502-150-01	DIODE MA2SD320G8S0
* D110	6-502-150-01	DIODE MA2SD320G8S0
* D111	6-502-150-01	DIODE MA2SD320G8S0
* D113	6-502-150-01	DIODE MA2SD320G8S0
* D114	6-502-150-01	DIODE MA2SD320G8S0
D801	8-719-069-28	DIODE 1SS400TE-61
D1101	8-719-084-17	DIODE EMZ6.8ET2R
D1201	6-501-216-01	DIODE CL-271HR-C-TS
* D1202	6-502-150-01	DIODE MA2SD320G8S0
D1205	6-501-080-01	DIODE MAZP068H0AS0
D1207	6-501-080-01	DIODE MAZP068H0AS0
< FUSE >		
△ F101	1-576-843-21	FUSE, MICRO (1608) (0.8A/32V)
△ F102	1-576-415-21	FUSE, MICRO (1608) (2A/32V)
< FERRITE BEAD >		
FB401	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)
FB402	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)
FB403	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)
FB404	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)
FB405	1-400-620-21	INDUCTOR, FERRITE BEAD (1005)
FB801	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB802	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB803	1-400-331-11	FERRITE, EMI (SMD) (1005)
FB804	1-400-331-11	FERRITE, EMI (SMD) (1005)
< IC >		
* IC101	6-711-770-01	IC MAX8611VETM+TG069

Ref. No.	Part No.	Description
* IC102	6-709-726-01	IC SN0510064DRCR
* IC103	6-712-852-01	IC RP103K301D
* IC104	6-710-846-01	IC TK70664HCL-G
IC106	6-705-337-01	IC TK11150CSCL-G
* IC107	6-712-736-01	IC XC61GN2202HR
* IC201	6-807-572-01	IC uPD79F0043FC-402-2N1-E2-A
* IC202	6-712-166-01	IC AK8150CU-L
* IC401	6-712-983-01	IC CXD9956GG
IC601	6-711-745-11	IC EDE1116ACSE-6E-E-TR
IC701	(Not supplied)	IC KFG1216Q2B-DEB8T (IC701 is supplied including in SY-209 complete board (service 35 or service 124).)
* IC801	8-753-297-25	IC CXD4811GA-T4
* IC802	6-708-462-01	IC R1114Q231D-TR-FA
* IC803	6-708-448-01	IC R1114Q351D-TR-FA
* IC804	6-710-845-01	IC TK70628HCL-G
* IC805	6-710-853-01	IC NJM2831F13 (TE1)
* IC901	6-711-626-01	IC BU2244GUW-E2
* IC902	6-711-626-01	IC BU2244GUW-E2
* IC1001	6-712-173-01	IC RP103K281D
* IC1002	6-712-737-01	IC RP103K151D
* IC1003	6-709-026-01	IC R2J30500LG
* IC1004	8-753-284-38	IC CXA3739AER-T2
* IC1101	6-711-301-01	IC TC7SG125AFS (TR3SOY)
* IC1102	6-712-851-01	IC MB87L8531LGT-G-ERE1
* IC1201	6-707-364-01	IC AN12901A-VB
IC1301	6-707-364-01	IC AN12901A-VB
* IC1302	6-712-173-01	IC RP103K281D
< COIL >		
* L101	1-457-436-21	CHOKE COIL, 2.4uH
L102	1-400-676-11	INDUCTOR 22uH
L103	1-457-066-21	COIL, CHOKE 4.7uH
L104	1-456-499-11	COIL, CHOKE 4.7uH
L105	1-457-066-21	COIL, CHOKE 4.7uH
L106	1-457-066-21	COIL, CHOKE 4.7uH
L107	1-457-066-21	COIL, CHOKE 4.7uH
L108	1-457-066-21	COIL, CHOKE 4.7uH
L109	1-457-066-21	COIL, CHOKE 4.7uH
* L301	1-481-102-21	INDUCTOR 10uH
* L302	1-481-102-21	INDUCTOR 10uH
* L304	1-481-102-21	INDUCTOR 10uH
* L801	1-481-102-21	INDUCTOR 10uH
* L802	1-481-102-21	INDUCTOR 10uH
L1101	1-400-342-21	INDUCTOR 10uH
L1201	1-469-844-11	INDUCTOR 2.2uH
< LINE FILTER >		
LF1201	1-457-223-11	COMMON MODE CHOKE COIL
LF1202	1-457-223-11	COMMON MODE CHOKE COIL
LF1203	1-457-223-11	COMMON MODE CHOKE COIL
LF1204	1-457-223-11	COMMON MODE CHOKE COIL
LF1205	1-457-223-11	COMMON MODE CHOKE COIL
< MICROPHONE >		
MC1310	1-542-777-11	MICROPHONE (L-CH)
MC1330	1-542-777-11	MICROPHONE (R-CH)

• Refer to page 5-1 for mark △.

Note: Be sure to read "Precaution on Replacing the Microphone" on page 1-2 when changing the microphone.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description			
< TRANSISTOR >			* R139	1-240-823-11	METAL CHIP	51K	0.5%	1/20W
Q101	6-550-576-01	TRANSISTOR	R140	1-240-700-91	METAL CHIP	2.7K	5%	1/20W
Q102	6-550-576-01	TRANSISTOR	R141	1-208-715-11	METAL CHIP	56K	0.5%	1/20W
* Q103	6-551-667-01	TRANSISTOR	R146	1-208-919-11	METAL CHIP	22K	0.5%	1/16W
* Q104	6-551-666-01	TRANSISTOR	R147	1-240-830-11	METAL CHIP	100K	0.5%	1/20W
Q105	8-729-055-01	TRANSISTOR	R148	1-218-978-11	METAL CHIP	20K	0.5%	1/20W
Q106	6-551-911-01	TRANSISTOR	R149	1-208-937-81	METAL CHIP	120K	0.5%	1/16W
* Q107	6-551-667-01	TRANSISTOR	R152	1-218-981-91	RES-CHIP	220K	5%	1/16W
* Q108	6-551-981-01	TRANSISTOR	R156	1-240-714-91	METAL CHIP	47K	5%	1/20W
* Q109	6-551-667-01	TRANSISTOR	R160	1-240-714-91	METAL CHIP	47K	5%	1/20W
Q110	8-729-055-01	TRANSISTOR	R161	1-240-714-91	METAL CHIP	47K	5%	1/20W
* Q801	6-550-601-01	TRANSISTOR	R163	1-240-714-91	METAL CHIP	47K	5%	1/20W
Q802	6-550-601-01	TRANSISTOR	R164	1-208-715-11	METAL CHIP	47K	5%	1/20W
Q803	6-551-215-01	TRANSISTOR	R167	1-208-919-11	METAL CHIP	22K	0.5%	1/16W
Q805	6-550-791-01	TRANSISTOR	R205	1-240-678-91	METAL CHIP	33	5%	1/20W
* Q1101	6-550-011-01	TRANSISTOR	R207	1-240-678-91	METAL CHIP	33	5%	1/20W
* Q1102	6-550-011-01	TRANSISTOR	R305	1-240-830-11	METAL CHIP	100K	0.5%	1/20W
* Q1103	6-550-119-01	TRANSISTOR	R307	1-240-830-11	METAL CHIP	100K	0.5%	1/20W
Q1201	6-550-119-01	TRANSISTOR	R308	1-240-806-11	METAL CHIP	8.2K	0.5%	1/20W
Q1202	6-550-119-01	TRANSISTOR	R309	1-240-808-11	METAL CHIP	10K	0.5%	1/20W
* Q1203	8-729-053-52	TRANSISTOR	R402	1-240-707-91	METAL CHIP	10K	5%	1/20W
Q1204	6-550-232-01	TRANSISTOR	R403	1-240-760-91	METAL CHIP	100	0.5%	1/20W
Q1205	6-550-232-01	TRANSISTOR	R404	1-240-772-11	METAL CHIP	330	0.5%	1/20W
* Q1206	6-550-119-01	TRANSISTOR	R406	1-240-774-91	METAL CHIP	390	0.5%	1/20W
Q1207	8-729-054-51	TRANSISTOR	R408	1-240-796-91	METAL CHIP	3.3K	0.5%	1/20W
Q1208	6-550-810-51	TRANSISTOR	R410	1-218-949-11	RES-CHIP	470	5%	1/16W
* Q1209	6-551-867-01	TRANSISTOR	R410	1-240-691-91	METAL CHIP	470	5%	(Suffix -11) 1/20W
* Q1210	6-551-667-01	TRANSISTOR	R411	1-240-678-91	METAL CHIP	33	5%	(Suffix -12) 1/20W
* Q1211	6-550-237-01	TRANSISTOR	R412	1-240-685-91	METAL CHIP	150	5%	1/20W
Q1212	6-551-345-01	TRANSISTOR	R413	1-240-685-91	METAL CHIP	150	5%	1/20W
Q1213	6-551-345-01	TRANSISTOR	R414	1-240-685-91	METAL CHIP	150	5%	1/20W
* Q1214	6-551-981-01	TRANSISTOR	R415	1-240-685-91	METAL CHIP	150	5%	1/20W
* Q1215	6-551-667-01	TRANSISTOR	R416	1-240-685-91	METAL CHIP	150	5%	1/20W
< RESISTOR >			R417	1-240-680-11	METAL CHIP	56	5%	1/20W
R102	1-240-699-91	METAL CHIP	R422	1-240-718-91	METAL CHIP	100K	5%	1/20W
R103	1-240-701-91	METAL CHIP	R423	1-240-729-91	METAL CHIP	1M	5%	1/20W
R104	1-240-726-91	METAL CHIP	R424	1-240-707-91	METAL CHIP	10K	5%	1/20W
R105	1-218-973-11	RES-CHIP	R425	1-240-695-91	METAL CHIP	1K	5%	1/20W
R106	1-240-726-91	METAL CHIP	R427	1-240-695-91	METAL CHIP	1K	5%	1/20W
R107	1-240-729-91	METAL CHIP	R430	1-240-695-91	METAL CHIP	1K	5%	1/20W
R108	1-240-726-91	METAL CHIP	R431	1-240-707-91	METAL CHIP	10K	5%	1/20W
R109	1-218-985-11	RES-CHIP	R432	1-240-707-91	METAL CHIP	10K	5%	1/20W
R113	1-240-729-91	METAL CHIP	R434	1-240-707-91	METAL CHIP	10K	5%	1/20W
R114	1-240-714-91	METAL CHIP	R435	1-240-707-91	METAL CHIP	10K	5%	1/20W
R116	1-208-947-11	METAL CHIP	R436	1-240-707-91	METAL CHIP	10K	5%	1/20W
* R117	1-240-828-11	METAL CHIP	R437	1-240-707-91	METAL CHIP	10K	5%	1/20W
R120	1-240-714-91	METAL CHIP	R438	1-240-707-91	METAL CHIP	10K	5%	1/20W
R122	1-208-651-11	METAL CHIP	R440	1-240-707-91	METAL CHIP	10K	5%	1/20W
R123	1-208-935-11	METAL CHIP	R441	1-240-707-91	METAL CHIP	10K	5%	1/20W
R124	1-208-855-81	METAL CHIP	R443	1-240-707-91	METAL CHIP	10K	5%	1/20W
* R125	1-240-738-91	METAL CHIP	R444	1-240-707-91	METAL CHIP	10K	5%	1/20W
R126	1-218-929-11	RES-CHIP	R501	1-240-714-91	METAL CHIP	47K	5%	1/20W
R131	1-208-927-11	METAL CHIP	R502	1-240-714-91	METAL CHIP	47K	5%	1/20W
R132	1-240-816-11	METAL CHIP	R504	1-240-714-91	METAL CHIP	47K	5%	1/20W
R136	1-240-822-11	METAL CHIP	R507	1-240-714-91	METAL CHIP	47K	5%	1/20W
R138	1-208-955-11	METAL CHIP	R510	1-240-714-91	METAL CHIP	47K	5%	1/20W

Ref. No.	Part No.	Description				Ref. No.	Part No.	Description			
R512	1-240-714-91	METAL CHIP	47K	5%	1/20W	R1034	1-240-812-11	METAL CHIP	15K	0.5%	1/20W
R513	1-240-714-91	METAL CHIP	47K	5%	1/20W	R1035	1-240-808-11	METAL CHIP	10K	0.5%	1/20W
R603	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R1036	1-240-711-91	METAL CHIP	22K	5%	1/20W
R604	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R1037	1-240-711-91	METAL CHIP	22K	5%	1/20W
R701	1-240-695-91	METAL CHIP	1K	5%	1/20W	R1038	1-240-711-91	METAL CHIP	22K	5%	1/20W
R703	1-694-535-91	SHORT CHIP	0			R1039	1-240-711-91	METAL CHIP	22K	5%	1/20W
R801	1-208-920-81	METAL CHIP	24K	0.5%	1/16W	R1102	1-240-683-91	METAL CHIP	100	5%	1/20W
R802	1-218-984-11	RES-CHIP	390K	5%	1/16W	R1115	1-240-695-91	METAL CHIP	1K	5%	1/20W
R803	1-218-964-11	RES-CHIP	8.2K	5%	1/16W	R1117	1-240-695-91	METAL CHIP	1K	5%	1/20W
R807	1-208-455-11	RES-CHIP	5.6	5%	1/16W	R1118	1-240-695-91	METAL CHIP	1K	5%	1/20W
R808	1-208-455-11	RES-CHIP	5.6	5%	1/16W	R1119	1-240-688-91	METAL CHIP	270	5%	1/20W
R815	1-240-729-91	METAL CHIP	1M	5%	1/20W	R1120	1-218-946-11	RES-CHIP	270	5%	1/16W
R816	1-218-978-11	RES-CHIP	120K	5%	1/16W	R1122	1-240-695-91	METAL CHIP	1K	5%	1/20W
R817	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1201	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R818	1-218-990-81	SHORT CHIP	0			R1202	1-240-718-91	METAL CHIP	100K	5%	1/20W
R822	1-218-945-11	RES-CHIP	220	5%	1/16W	R1205	1-240-687-91	METAL CHIP	220	5%	1/20W
R823	1-240-695-91	METAL CHIP	1K	5%	1/20W	R1206	1-240-786-91	METAL CHIP	1.2K	0.5%	1/20W
R827	1-218-941-81	RES-CHIP	100	5%	1/16W	R1207	1-240-707-91	METAL CHIP	10K	5%	1/20W
R828	1-218-977-11	RES-CHIP	100K	5%	1/16W	R1208	1-240-788-11	METAL CHIP	1.5K	0.5%	1/20W
R829	1-218-990-81	SHORT CHIP	0			R1210	1-240-718-91	METAL CHIP	100K	5%	1/20W
R830	1-218-990-81	SHORT CHIP	0			R1211	1-240-681-91	METAL CHIP	68	5%	1/20W
R831	1-218-990-81	SHORT CHIP	0			R1212	1-240-694-91	METAL CHIP	820	5%	1/20W
R832	1-218-990-81	SHORT CHIP	0			R1213	1-220-874-81	METAL CHIP	15	0.5%	1/16W
R834	1-694-535-91	SHORT CHIP	0			R1214	1-220-874-81	METAL CHIP	15	0.5%	1/16W
R836	1-240-687-91	METAL CHIP	220	5%	1/20W	R1218	1-240-712-91	METAL CHIP	27K	5%	1/20W
R913	1-240-695-91	METAL CHIP	1K	5%	1/20W	R1220	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R914	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1232	1-240-695-91	METAL CHIP	1K	5%	1/20W
R915	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1238	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R919	1-240-714-91	METAL CHIP	47K	5%	1/20W	R1239	1-240-707-91	METAL CHIP	10K	5%	1/20W
R921	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1242	1-240-707-91	METAL CHIP	10K	5%	1/20W
R922	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1245	1-240-689-91	METAL CHIP	330	5%	1/20W
R923	1-240-714-91	METAL CHIP	47K	5%	1/20W	R1246	1-240-689-91	METAL CHIP	330	5%	1/20W
R925	1-240-714-91	METAL CHIP	47K	5%	1/20W	R1249	1-240-699-91	METAL CHIP	2.2K	5%	1/20W
R926	1-240-714-91	METAL CHIP	47K	5%	1/20W	R1250	1-240-695-91	METAL CHIP	1K	5%	1/20W
* R1005	1-245-671-11	METAL CHIP	30K	0.5%	1/20W	R1251	1-240-699-91	METAL CHIP	2.2K	5%	1/20W
R1006	1-245-671-11	METAL CHIP	39K	0.5%	1/20W	R1252	1-240-689-91	METAL CHIP	330	5%	1/20W
R1008	1-240-830-11	METAL CHIP	100K	0.5%	1/20W	R1253	1-240-711-91	METAL CHIP	22K	5%	1/20W
* R1009	1-240-790-91	METAL CHIP	1.8K	0.5%	1/20W	R1254	1-240-718-91	METAL CHIP	100K	5%	1/20W
R1010	1-240-806-11	METAL CHIP	8.2K	0.5%	1/20W	R1255	1-240-718-91	METAL CHIP	100K	5%	1/20W
R1012	1-245-671-11	METAL CHIP	10K	0.5%	1/20W	R1256	1-240-718-91	METAL CHIP	100K	5%	1/20W
R1013	1-245-671-11	METAL CHIP	39K	0.5%	1/20W	R1257	1-240-695-91	METAL CHIP	1K	5%	1/20W
R1014	1-245-671-11	METAL CHIP	39K	0.5%	1/20W	R1258	1-240-695-91	METAL CHIP	1K	5%	1/20W
R1017	1-240-830-11	METAL CHIP	100K	0.5%	1/20W	R1259	1-240-695-91	METAL CHIP	1K	5%	1/20W
* R1018	1-240-790-91	METAL CHIP	1.8K	0.5%	1/20W	R1260	1-240-711-91	METAL CHIP	22K	5%	1/20W
R1019	1-240-806-11	METAL CHIP	8.2K	0.5%	1/20W	R1263	1-240-699-91	METAL CHIP	2.2K	5%	1/20W
R1021	1-240-808-11	METAL CHIP	10K	0.5%	1/20W	R1264	1-240-699-91	METAL CHIP	2.2K	5%	1/20W
R1022	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1265	1-240-718-91	METAL CHIP	100K	5%	1/20W
R1023	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1266	1-240-696-91	METAL CHIP	1.2K	5%	1/20W
R1025	1-240-718-91	METAL CHIP	100K	5%	1/20W	* R1267	1-246-079-91	METAL CHIP	10M	5%	1/20W
R1026	1-240-718-91	METAL CHIP	100K	5%	1/20W	* R1268	1-246-079-91	METAL CHIP	10M	5%	1/20W
R1027	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1301	1-240-699-91	METAL CHIP	2.2K	5%	1/20W
R1028	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1302	1-240-699-91	METAL CHIP	2.2K	5%	1/20W
R1029	1-240-718-91	METAL CHIP	100K	5%	1/20W	R1311	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R1030	1-245-581-11	METAL CHIP	1M	0.5%	1/20W	R1312	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1031	1-245-581-11	METAL CHIP	1M	0.5%	1/20W	R1313	1-218-966-11	RES-CHIP	12K	5%	1/16W
R1032	1-240-812-11	METAL CHIP	15K	0.5%	1/20W	R1314	1-218-969-11	RES-CHIP	22K	5%	1/16W
R1033	1-240-808-11	METAL CHIP	10K	0.5%	1/20W	R1315	1-218-965-11	RES-CHIP	10K	5%	1/16W
						R1316	1-240-699-91	METAL CHIP	2.2K	5%	1/20W

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			
R1331	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R1332	1-218-973-11	RES-CHIP	47K	5%	1/16W
R1333	1-218-966-11	RES-CHIP	12K	5%	1/16W
R1334	1-218-969-11	RES-CHIP	22K	5%	1/16W
R1335	1-218-965-11	RES-CHIP	10K	5%	1/16W
R1336	1-240-699-91	METAL CHIP	2.2K	5%	1/20W
< COMPOSITION CIRCUIT BLOCK >					
RB501	1-234-378-21	RES, NETWORK	10K (1005X4)		
* RB502	1-234-380-21	RES, NETWORK	47K (1005X4)		
< SENSOR >					
* SE101	1-480-902-11	SENSOR, MAGNETIC (SHUTTER DOOR DETECT)			
* SE1001	1-479-022-61	SENSOR, ANGULAR VELOCITY (32.2kHz) (YAW SENSOR)			
* SE1002	1-479-022-51	SENSOR, ANGULAR VELOCITY (30.8kHz) (PITCH SENSOR)			
< VIBRATOR >					
* X201	1-813-904-21	QUARTZ CRYSTAL OSCILLATOR (38MHz)			
X401	1-781-525-11	VIBRATOR, CRYSTAL (32.768kHz)			

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2008.08	Official Release	—	—
1.1	2008.09	Revised-1	<ul style="list-style-type: none">• Change of SCHEMATIC DIAGRAM• Change of PRINTED WIRING BOARDS• Change of ELECTRICAL PARTS LIST S.M. Revised: Page 4-4 , Page 4-14 , Page 4-15 , Page 4-22 , Page 5-9	Yes