

DSLR-A700

RMT-DSLR1

SERVICE MANUAL

LEVEL 3

Ver. 1.2 2008.02

Revision History

Revised-1

Replace the previously issued
SERVICE MANUAL 9-852-212-11
with this manual.



US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Japanese 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 SINGLE LENS REFLEX CAMERA

SONY®

1-1. CHEMICALS

Some chemicals used for servicing are highly volatile.

Their evaporation caused by improper management affects your health and environment, and wastes resources.

Manage the chemicals carefully as follows.

- Store chemicals sealed in a specific place to prevent from exposure to high temperature or direct sunlight.
- Avoid dividing chemicals into excessive numbers of small containers to reduce natural evaporation.
- Keep containers sealed to avoid natural evaporation when chemicals are not in use.
- Avoid using chemicals as much as possible. When using chemicals, divide only required amount to a small plate from the container and use up it.

1-2. EXTERIOR PARTS

Be careful to the following points for plastic parts used in this unit.

- Use a piece of cleaning paper or cleaning cloth for cleaning plastic parts. Avoid using chemicals. Even if you have to use chemicals to clean heavy dirt, don't use paint thinner, ketone, nor alcohol.
- Insert the specific screws vertically to the part when installing a plastic part. Be careful not to tighten screws too much.

1-3. UNLEADED SOLDER

This unit uses 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

Be careful to the following points to solder or unsolder.

- Set the soldering iron tip temperature to 350 °C approximately. If cannot control temperature, solder/unsolder at high temperature for a short time.
- **Caution:** The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful! 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.
- Be sure to control soldering iron tips used for unleaded solder and those for leaded solder so they are managed separately. Mixing unleaded solder and leaded solder will cause detachment phenomenon.

1-4. SAFETY CHECK-OUT

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

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

CAUTION

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

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK △ OR DOTTED LINE WITH MARK △ 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 △ 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 SUPPÉMENTS PUBLIÉS PAR SONY.

1-1. 各種薬品の取り扱いについて

現在使用されている薬品の中には揮発性の高い薬品もあります。それらを不用意に取り扱い蒸発させてしまうと、環境や健康へ影響を与えたり、資源の無駄使いになります。各種薬品は、下記の点に注意して取り扱ってください。

- ・ 保管場所を定め、高温になつたり直射日光の当たらない場所に密閉して保管してください。
- ・ 小分け（ハンドラップ等）する数は必要最小限に留め、容器による自然蒸発を防いでください。
- ・ 作業に使用しない時は、必ずキャップ等をして自然蒸発を防いでください。
- ・ 薬品を使用する回数を極力少なくし、使用する場合は使用する量だけ容器より出して受け皿に残さないようにしてください。

1-2. 樹脂系部品の取り扱いについて

本機に使用されている樹脂系の部品は、下記の点に注意して取り扱ってください。

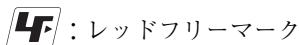
- ・ 清掃には薬品を使用せず、清掃紙や清掃布を使用してください。
やむを得ず汚れがひどくて薬品を使用する場合は、シンナー、ケトン、エーテルは使用しないでください。
- ・ 各部品の取り付けには指定されたねじを使用し、部品に対して垂直に取り付けてください。
また、ねじを締め付ける時は、無理な力を加えないでください。

1-3. 無鉛半田について

本機には無鉛半田が使用されています。

無鉛半田を使用している基板には、無鉛（Lead Free）を意味するレッドフリーマークがプリントされています。

（注意：基板サイズによっては、無鉛半田を使用していてもレッドフリーマークがプリントされていないものがあります）



無鉛半田は、下記の点に注意して使用してください。

- ・ 半田こてのこて先温度は約350°Cに設定してください。
温度調節が無理な場合は、高温短時間で作業を行ってください。
注意：半田こてを長く当てすぎると、基板のパターン（銅箔）がはがれてしまうことがありますので、注意してください。また、従来の半田よりも粘性が強いため、IC端子などが半田ブリッジしないように注意してください。
- ・ 半田こてのこて先は、必ず無鉛半田用と有鉛半田用に分けて管理してください。
無鉛半田と有鉛半田が混在すると剥離現象が発生します。

1-4. SAFETY CHECK-OUT

サービス、点検時には次のことにご注意ください。

1. 注意事項をお守りください。

サービスのとき特に注意を要する個所については、キャビネット、シャーシ、部品などにラベルや捺印で注意事項を表示しています。これらの注意書き及び取扱説明書等の注意事項を必ずお守りください。

2. 指定部品のご使用を

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。

従って交換部品は、使用されていたものと同じ特性の部品を使用してください。

特に回路図、部品表に△印で指定されている安全上重要な部品は必ず指定のものをご使用ください。

3. 部品の取付けや配線の引きまわしはもとどおりに

安全上、チューブやテープなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。

また内部配線は引きまわしやクランバによって発熱部品や高圧部品に接近しないよう配慮されていますので、これらは必ずもとどおりにしてください。

4. サービス後は安全点検を

サービスのために取外したネジ、部品、配線がもとどおりになっているか、またサービスした個所の周辺を劣化させてしまったところがないなどを点検し、安全性が確保されていることを確認してください。

5. チップ部品交換時の注意

・取り外した部品は再使用しないでください。

・タンタルコンデンサのマイナス側は熱に弱いため交換時は注意してください。

6. フレキシブルプリント基板の取扱いについて

・こて先温度を270°C前後にして行なってください。

・同一パターンに何度もコテ先を当てないでください。(3回以内)

・パターンに力が加わらないよう注意してください。

注意

電池の交換は、正しく行わないで破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

4-2. SCHEMATIC DIAGRAMS

Link

• AM-012 BOARD (1/22) (IMAGE PROCESSOR 1)	• AM-012 BOARD (13/22) (I/O CONTROL)
• AM-012 BOARD (2/22) (IMAGE PROCESSOR 1)	• AM-012 BOARD (14/22) (MOTOR DRIVE)
• AM-012 BOARD (3/22) (IMAGE PROCESSOR 1)	• AM-012 BOARD (15/22) (ANTI-SHAKE CONTROL, SUB CPU)
• AM-012 BOARD (4/22) (IMAGE PROCESSOR 1)	• AM-012 BOARD (16/22) (ANTI-SHAKE ANALOG MASTER)
• AM-012 BOARD (5/22) (IMAGE PROCESSOR 1, SDRAM)	• AM-012 BOARD (17/22) (ANTI-SHAKE DRIVE)
• AM-012 BOARD (6/22) (IMAGE PROCESSOR 1, FLASH)	• AM-012 BOARD (18/22) (BATTERY AUTHENTICATION)
• AM-012 BOARD (7/22) (IMAGE PROCESSOR 2)	• AM-012 BOARD (19/22) (REGULATOR)
• AM-012 BOARD (8/22) (IMAGE PROCESSOR 2, SDRAM)	• AM-012 BOARD (20/22) (CONNECTOR)
• AM-012 BOARD (9/22) (IMAGE PROCESSOR 2)	• AM-012 BOARD (21/22) (CONNECTOR)
• AM-012 BOARD (10/22) (FLASH)	• AM-012 BOARD (22/22) (CONNECTOR)
• AM-012 BOARD (11/22) (HDMI OUT, VIDEO OUT)	• DD-280 BOARD (1/2) (DC IN, CONNECTOR)
• AM-012 BOARD (12/22) (MAIN CPU)	• DD-280 BOARD (2/2) (DC/DC CONVERTER)

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

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

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

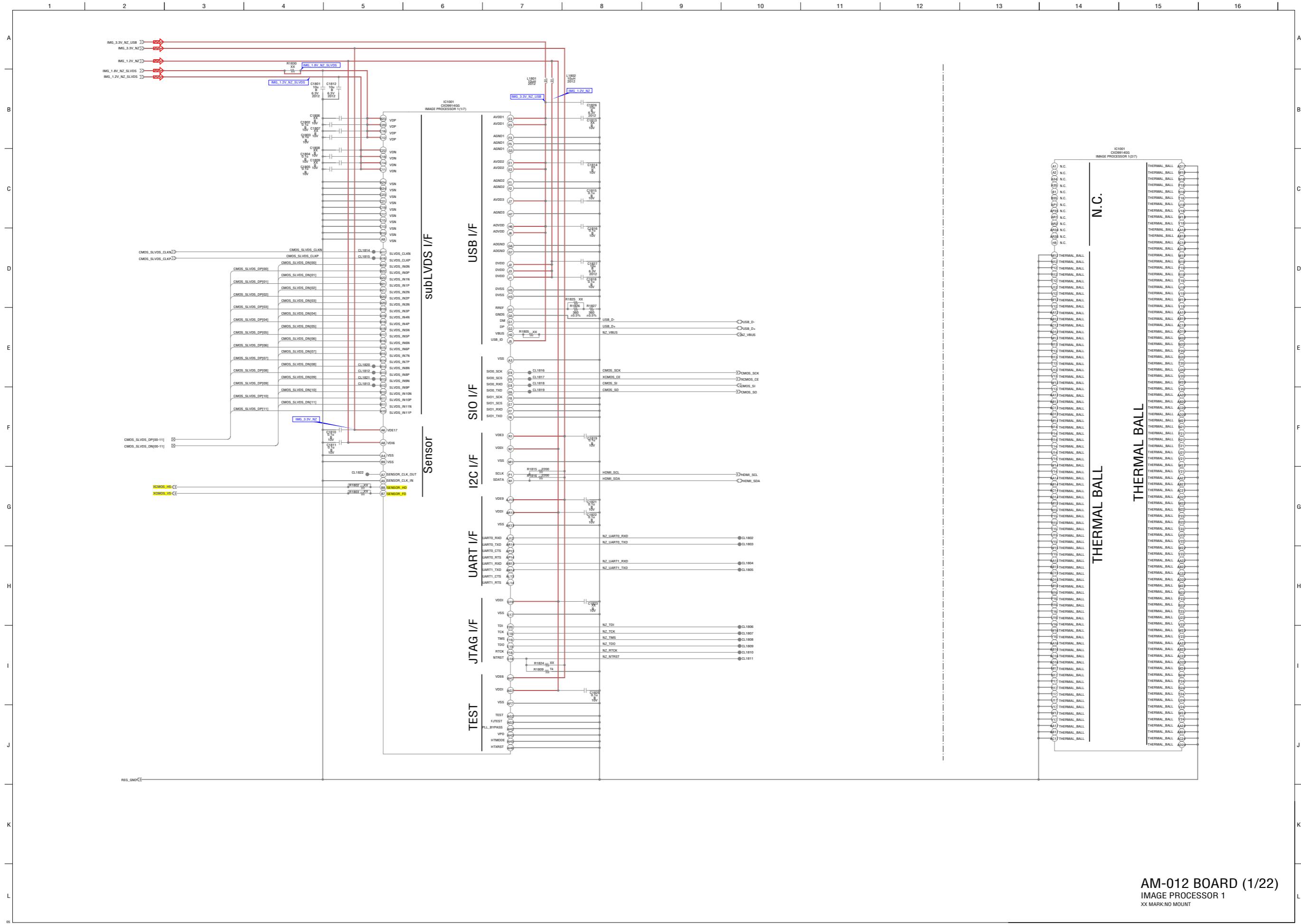
Precautions for Replacement of Imager

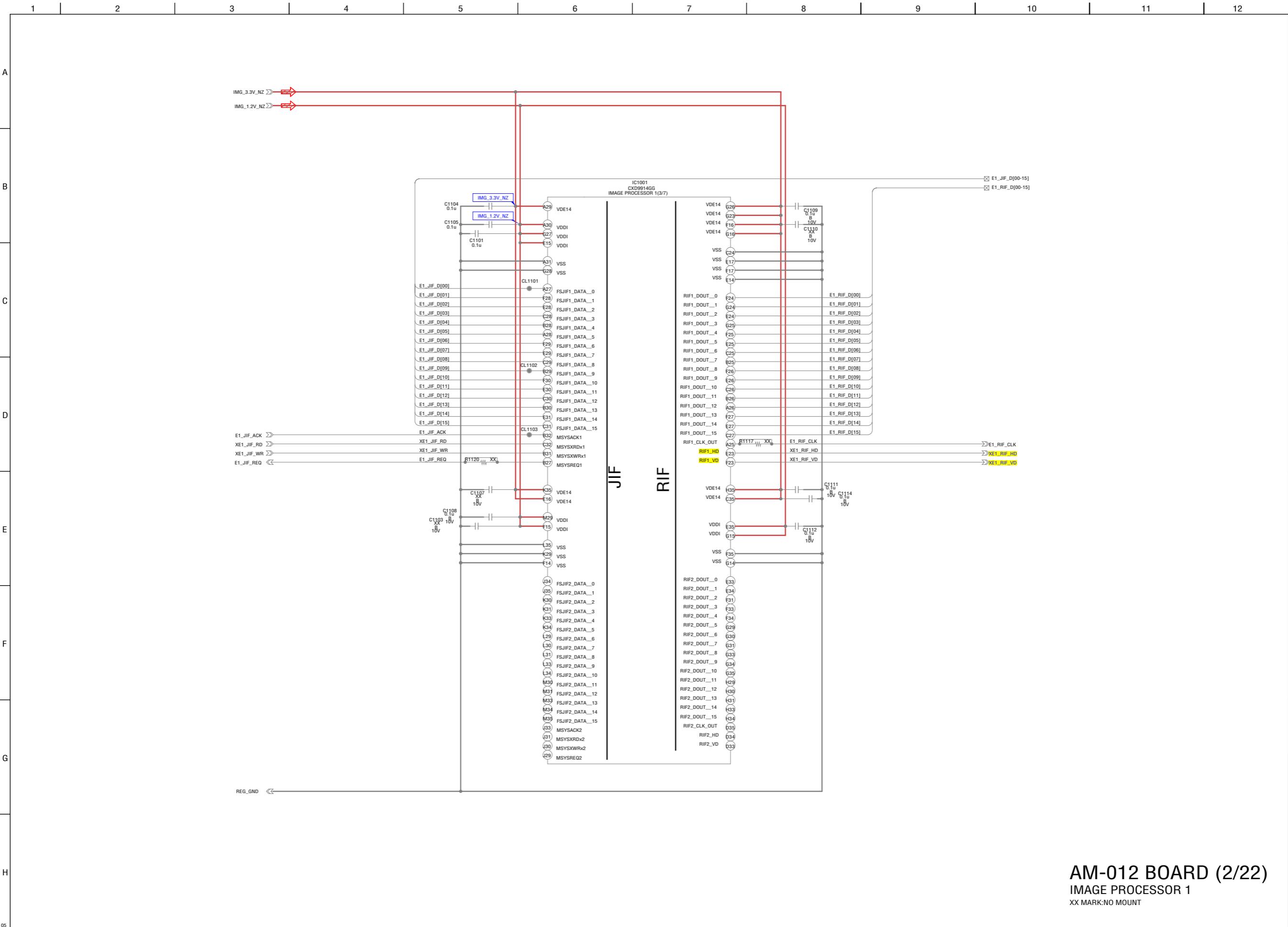
- If the imager has been replaced, carry out all the adjustments for the camera section.
- As the imager may be damaged by static electricity from its structure, handle it carefully like for the MOS IC.
In addition, ensure that the receiver is not covered with dusts nor exposed to strong light.

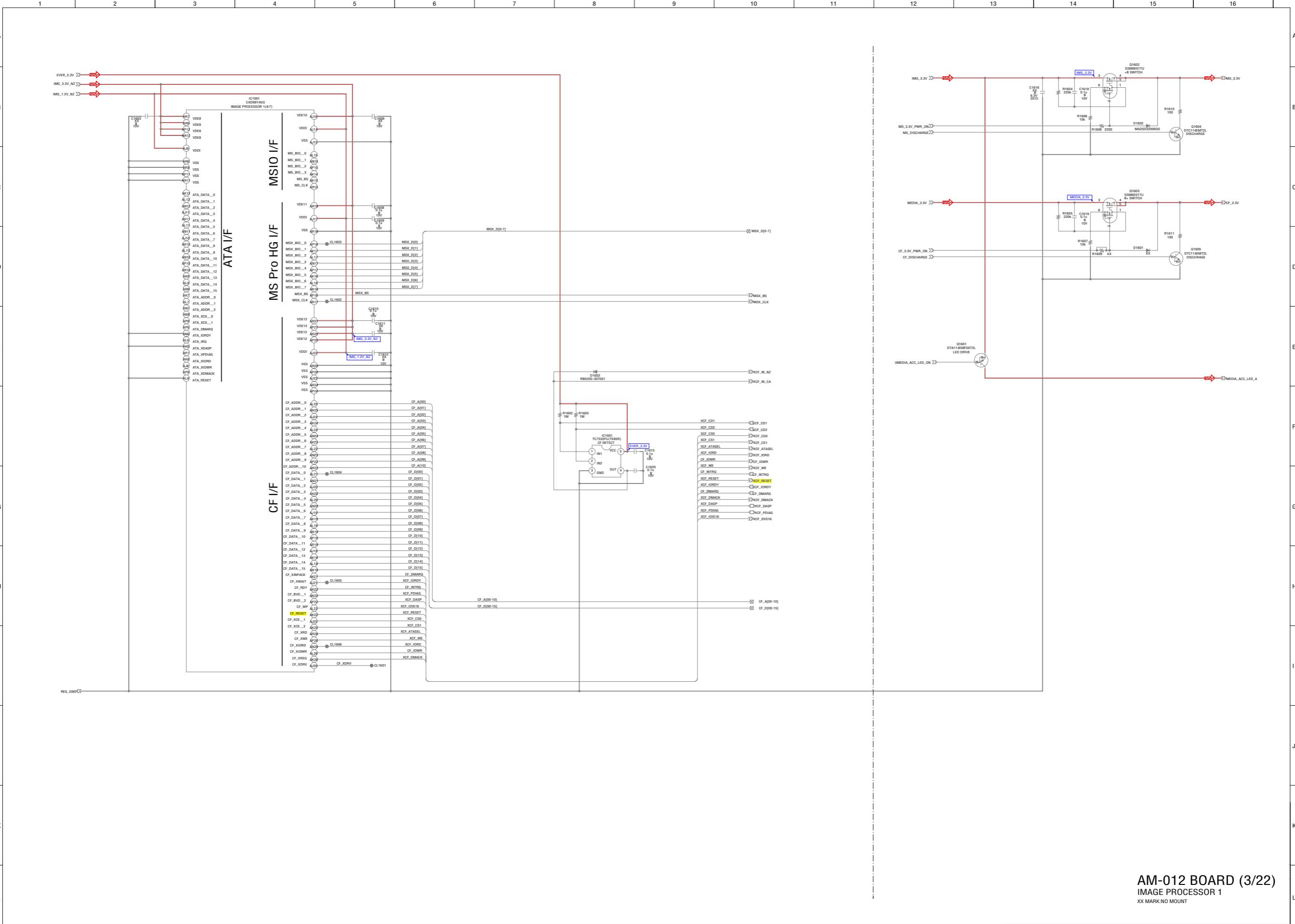
When indicating parts by reference number, please include the board name.

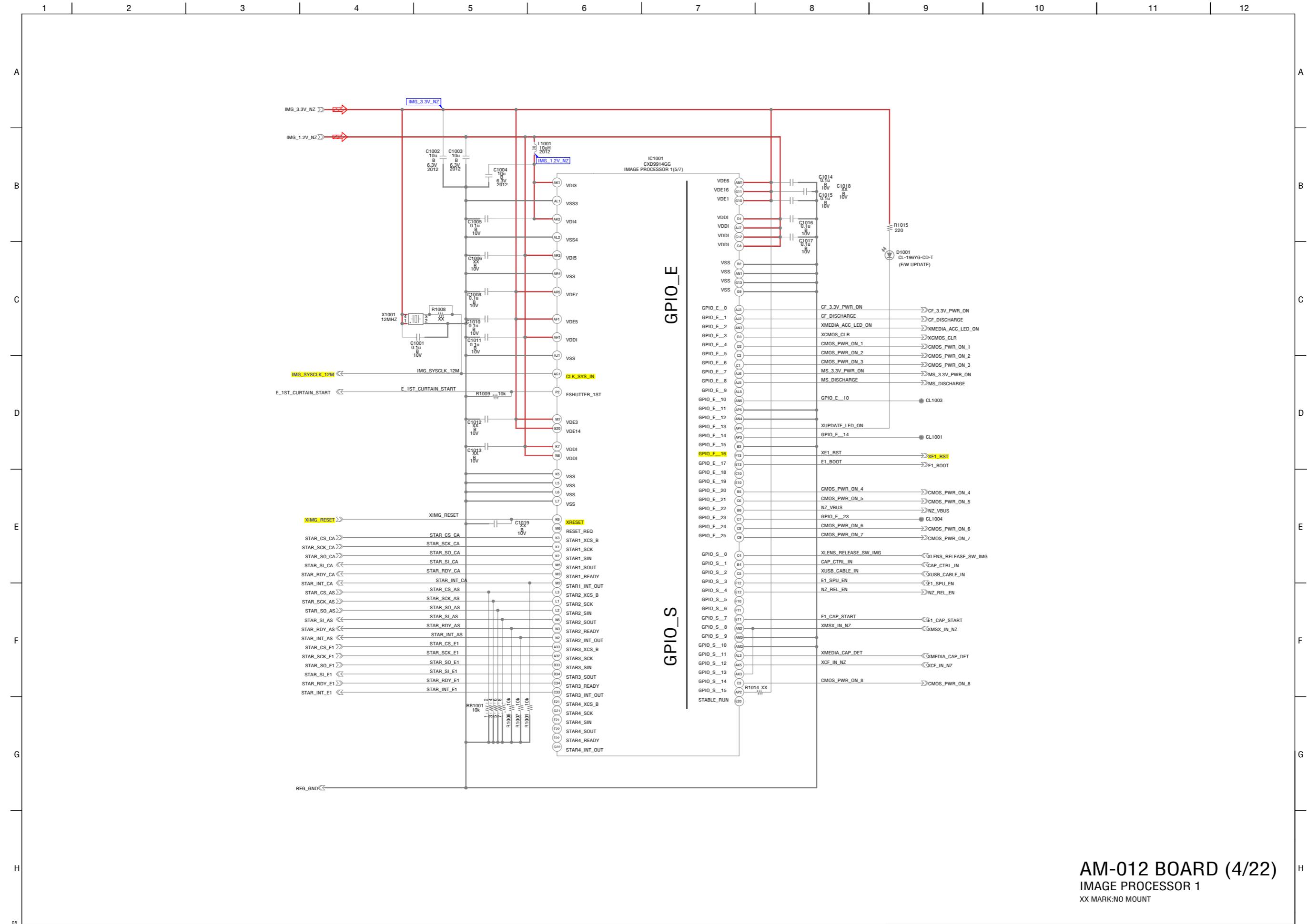
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

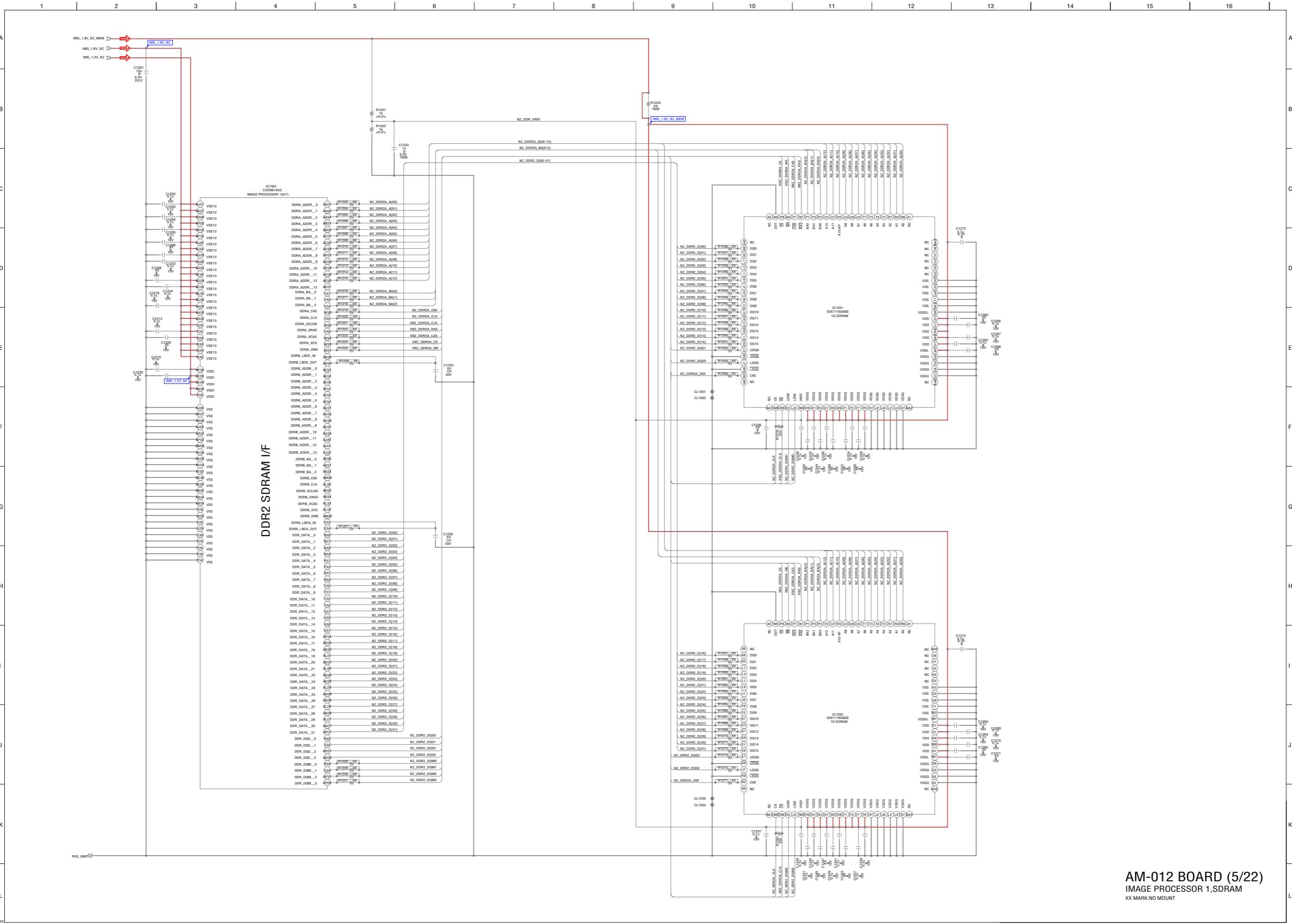
Les composants identifiés par une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifique.

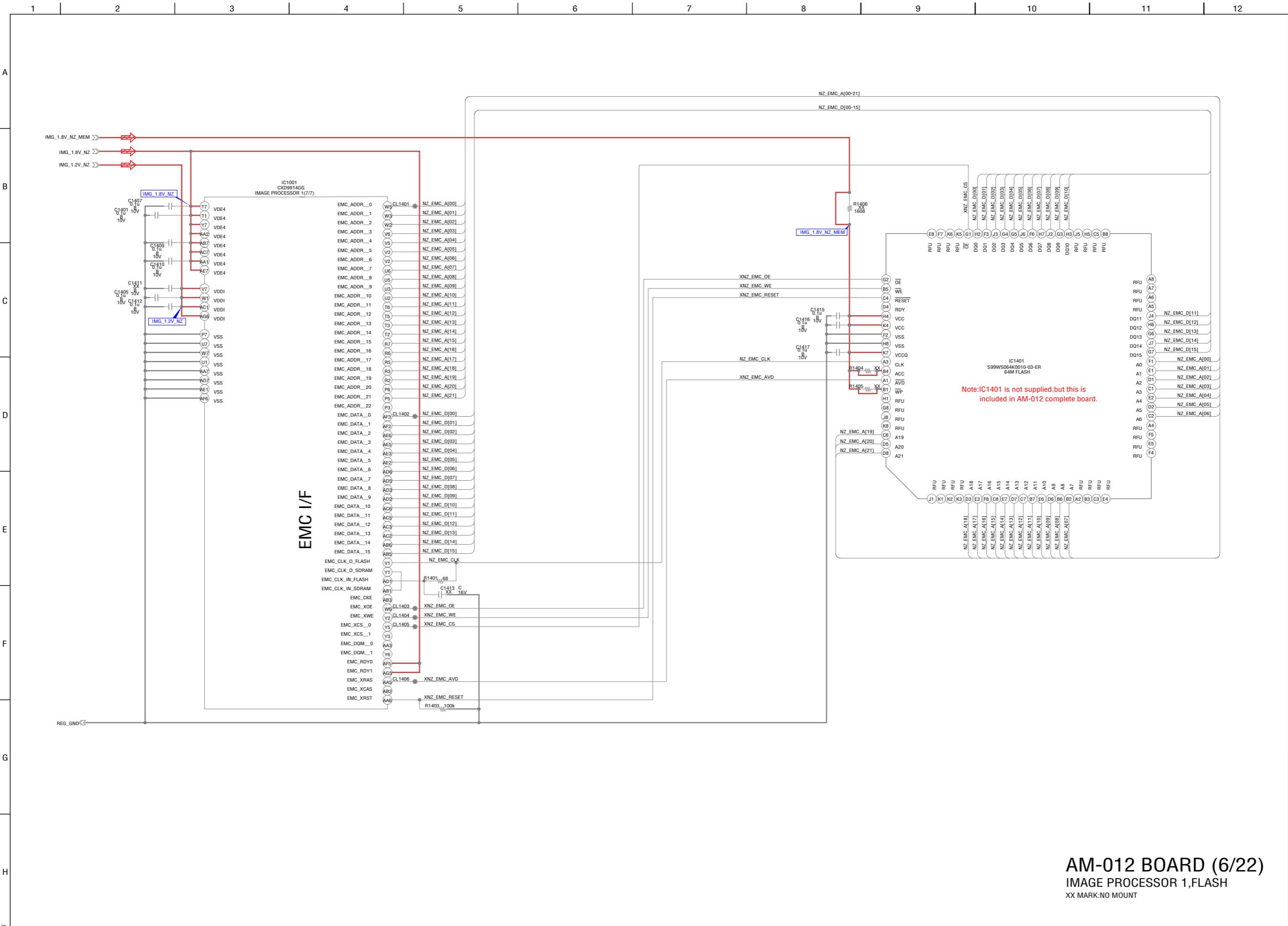


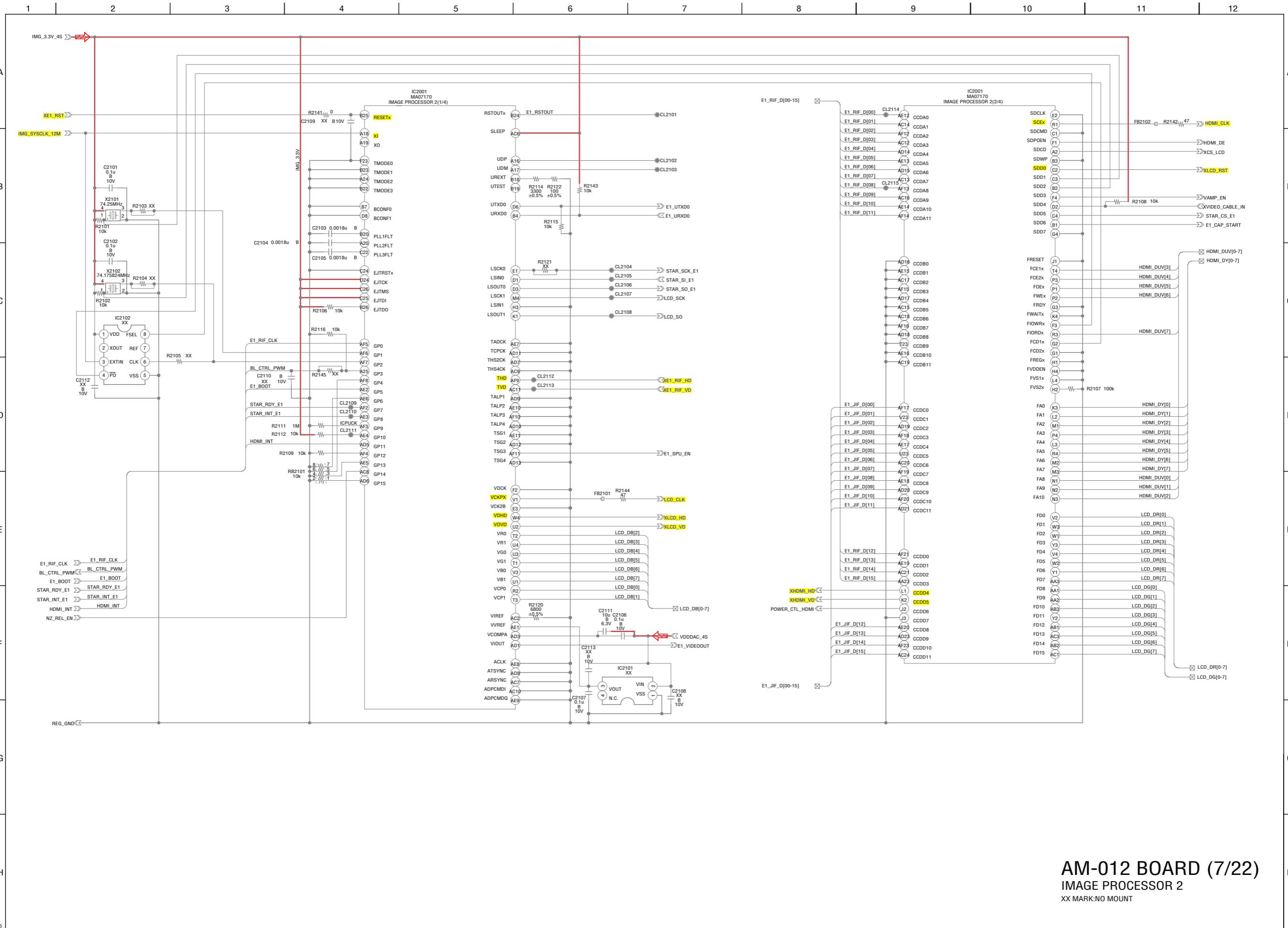


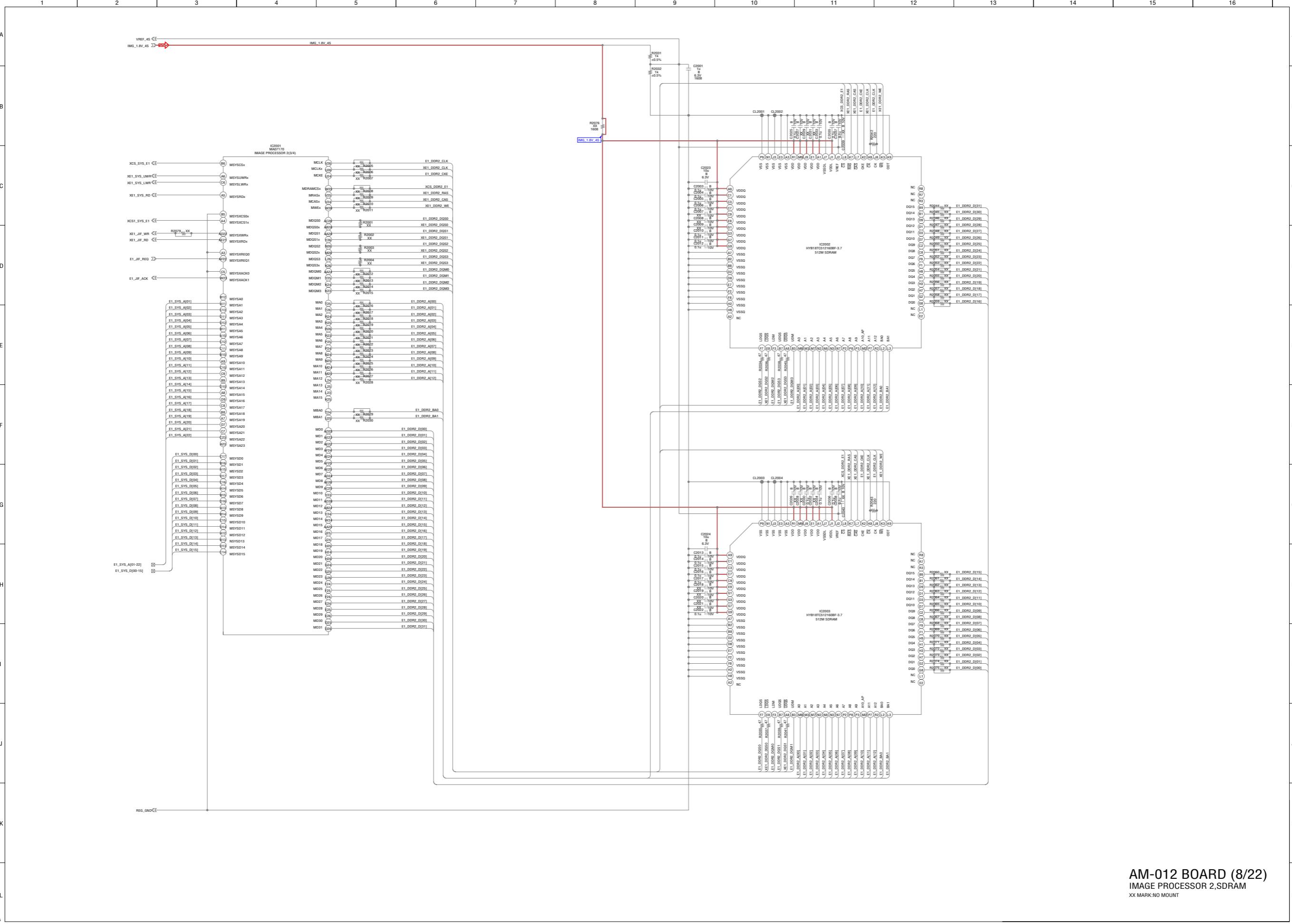




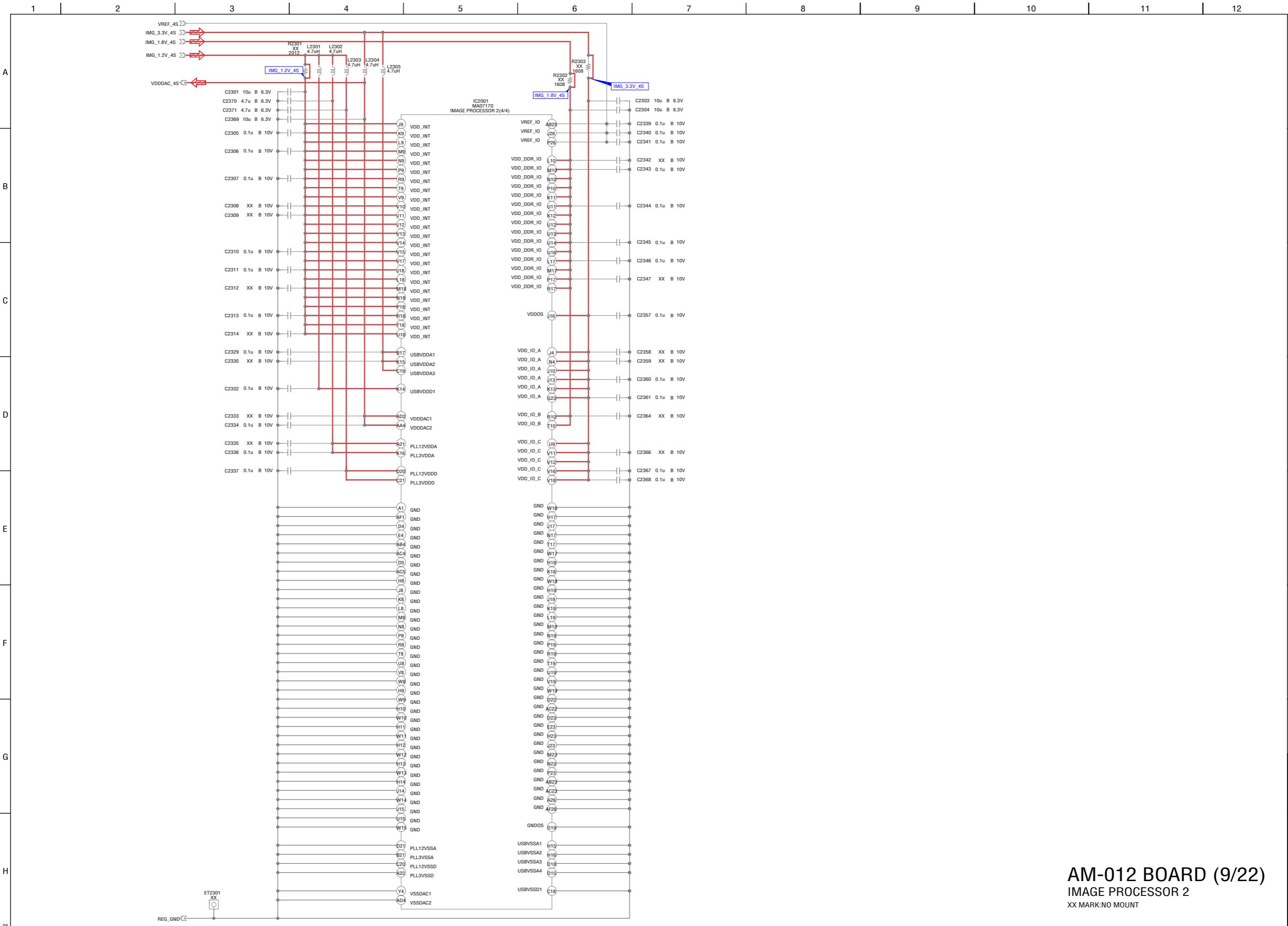


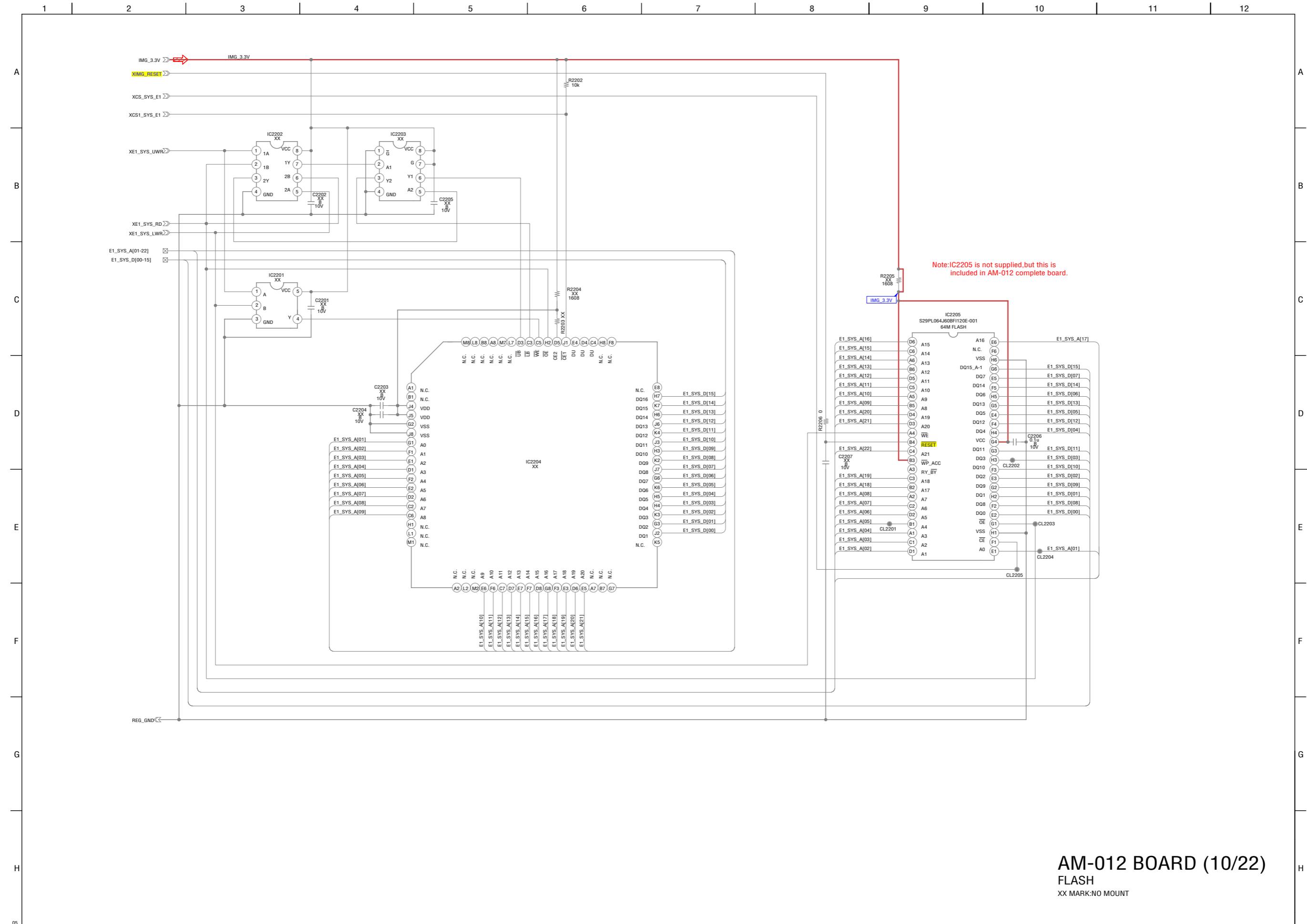


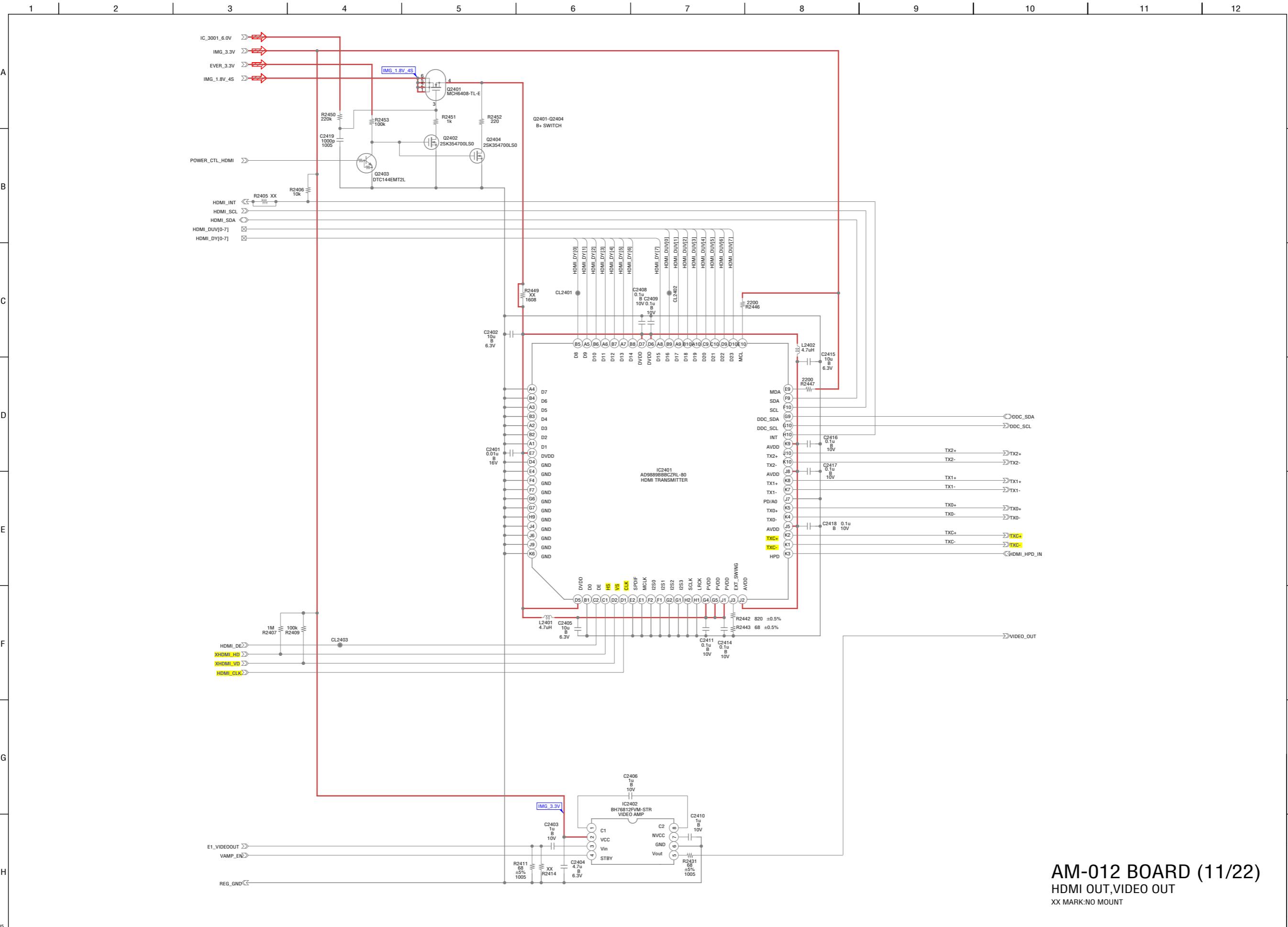




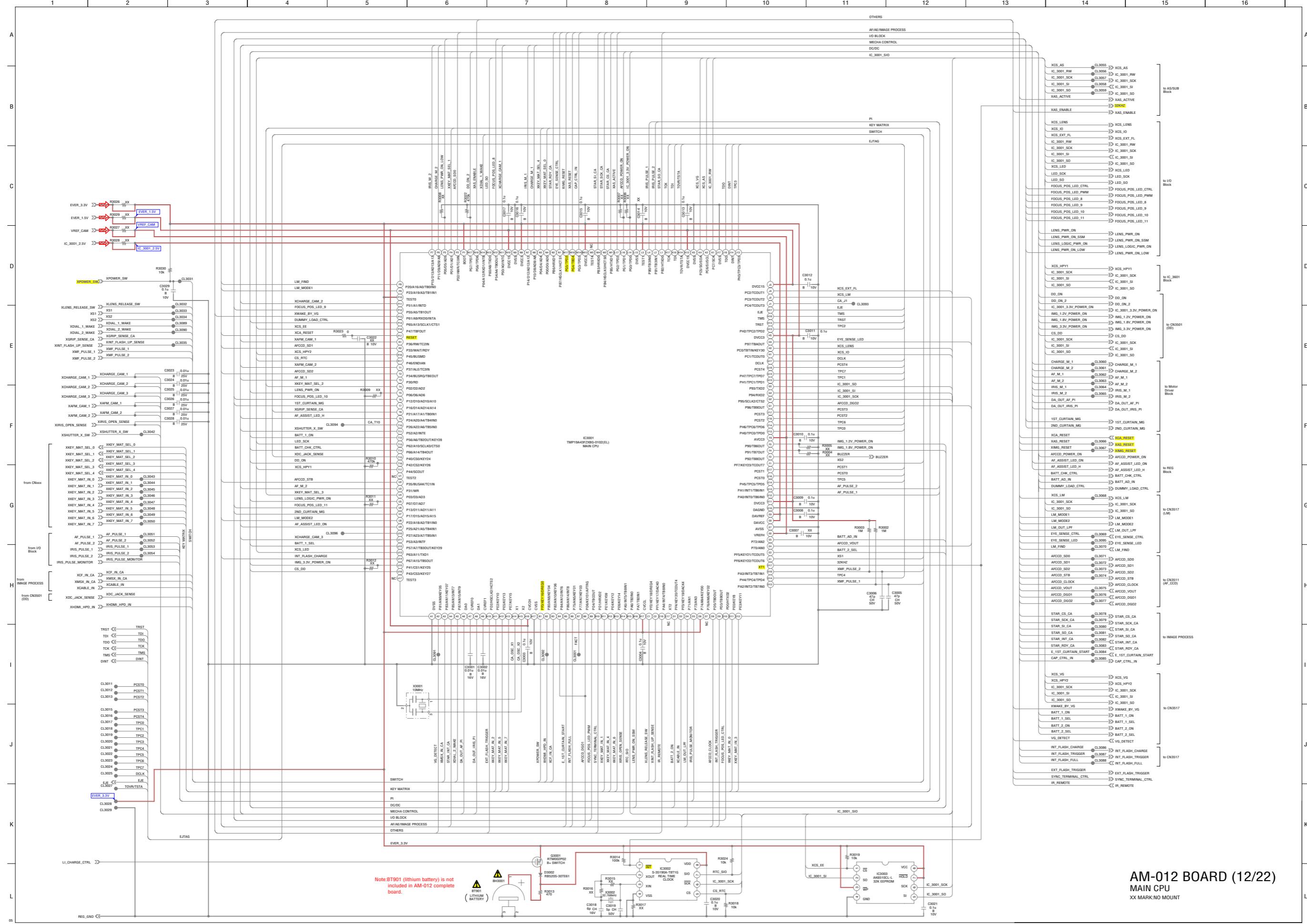
AM-012 BOARD (8/22)
IMAGE PROCESSOR 2, SDRAM
XX MARK: NO MOUNT

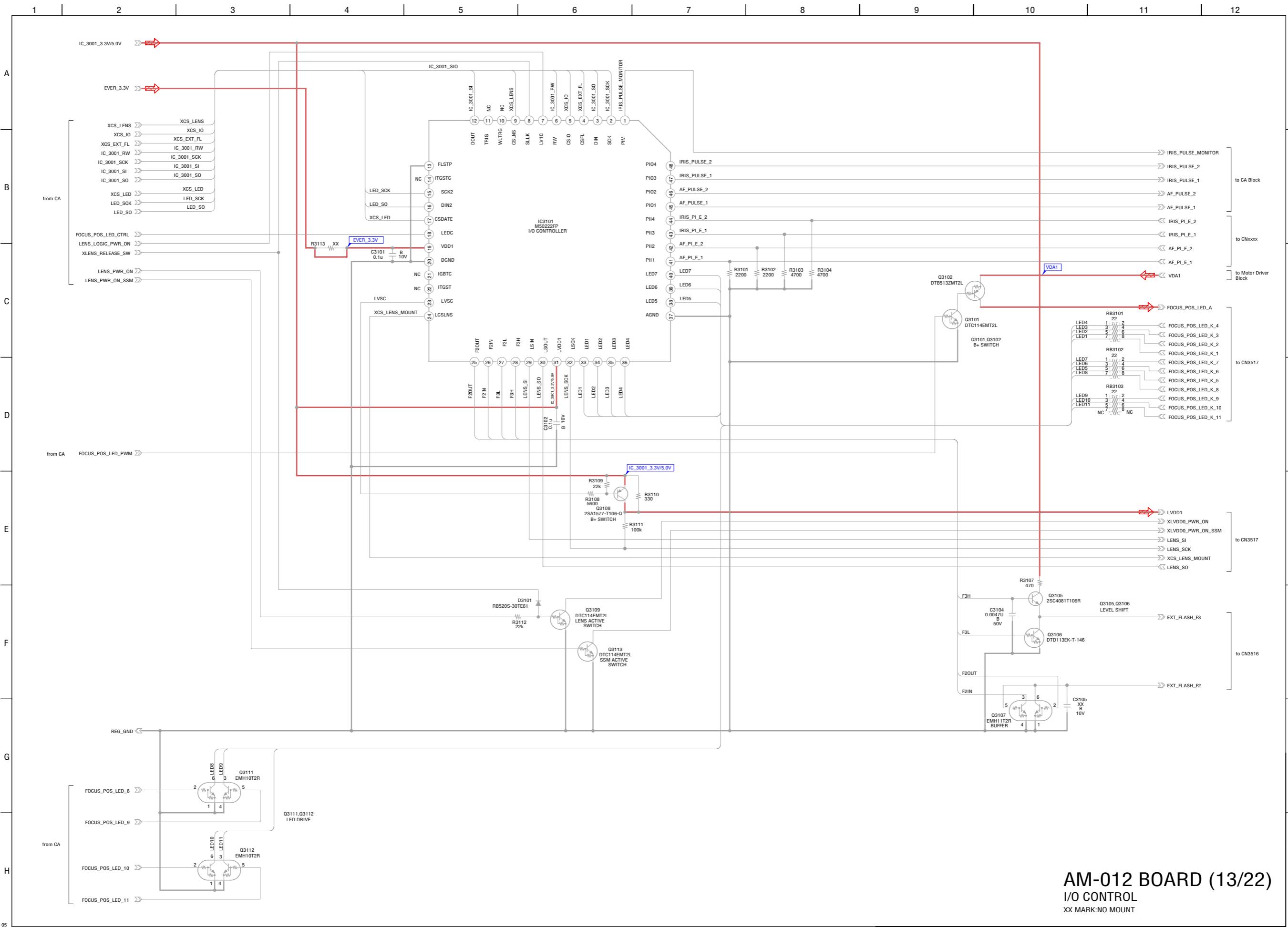




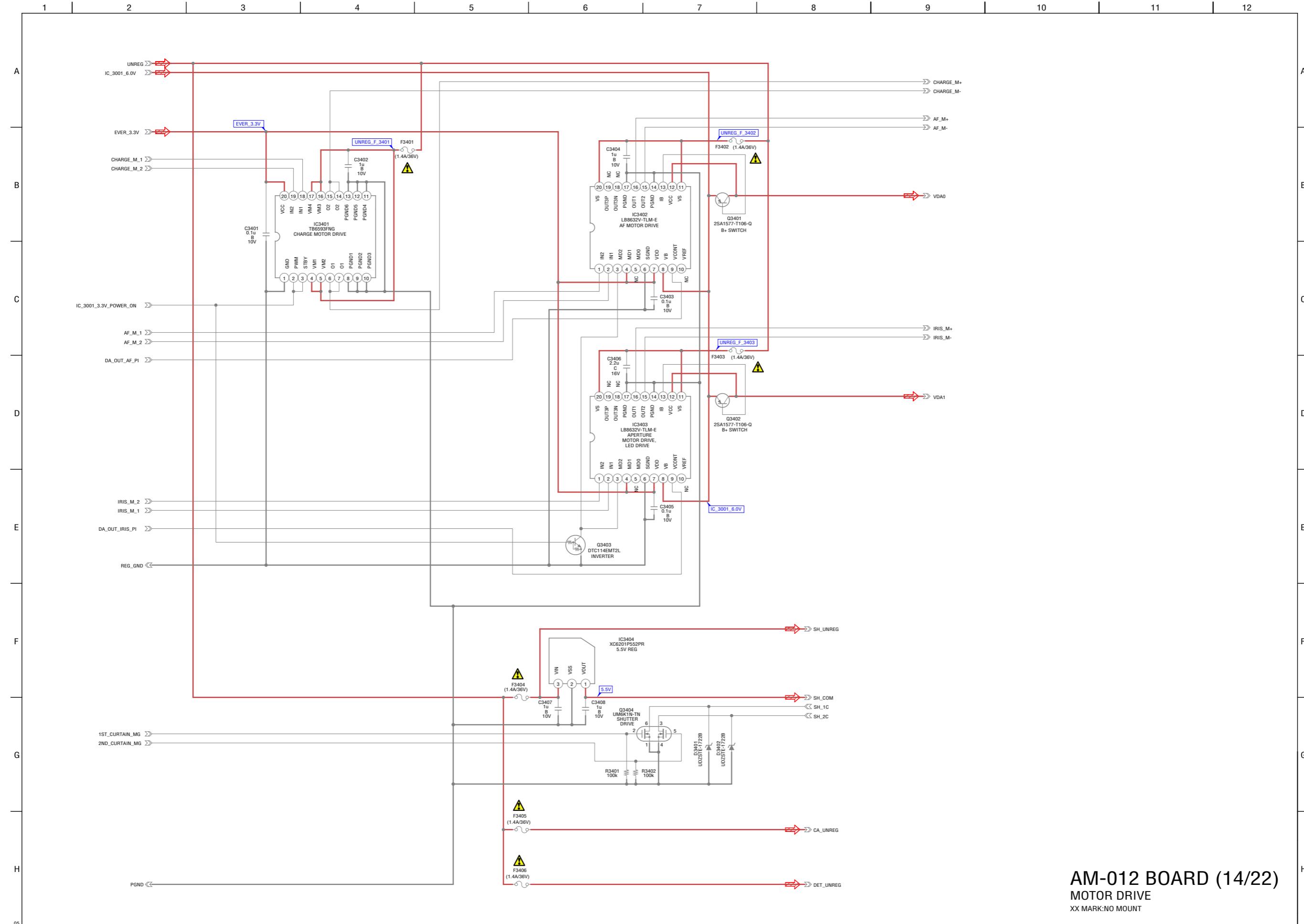


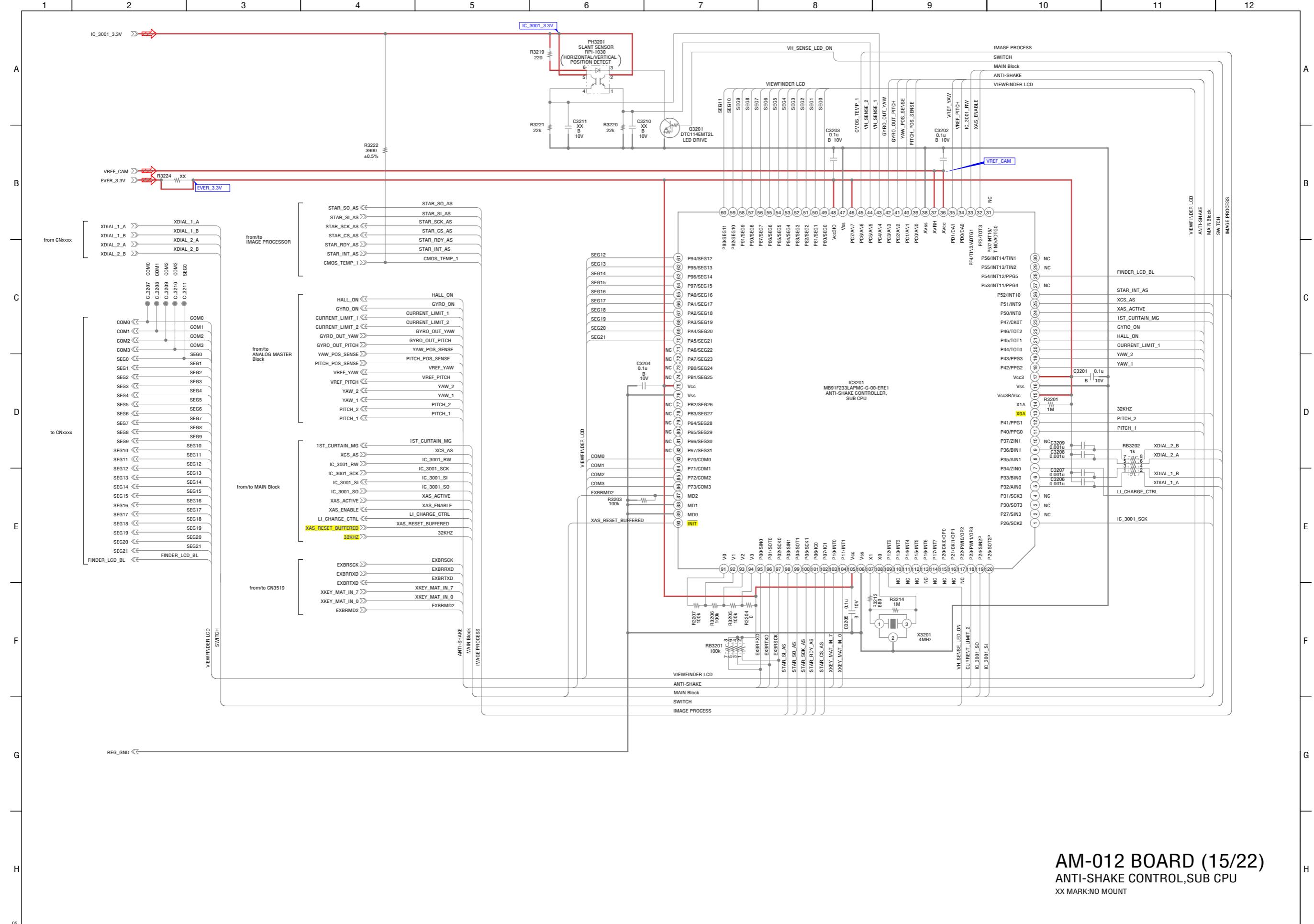
- Refer to page 4-3 for mark △.

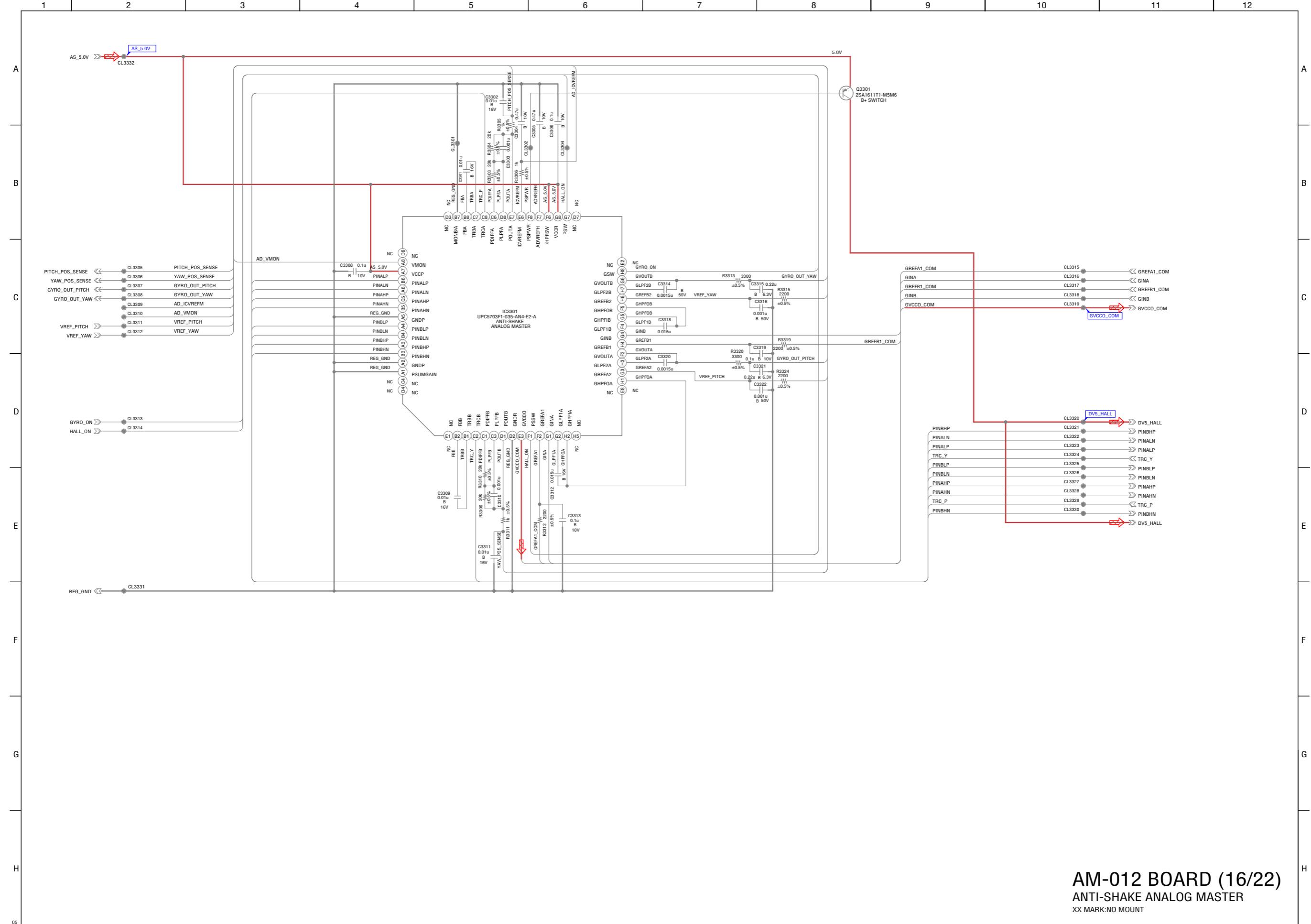


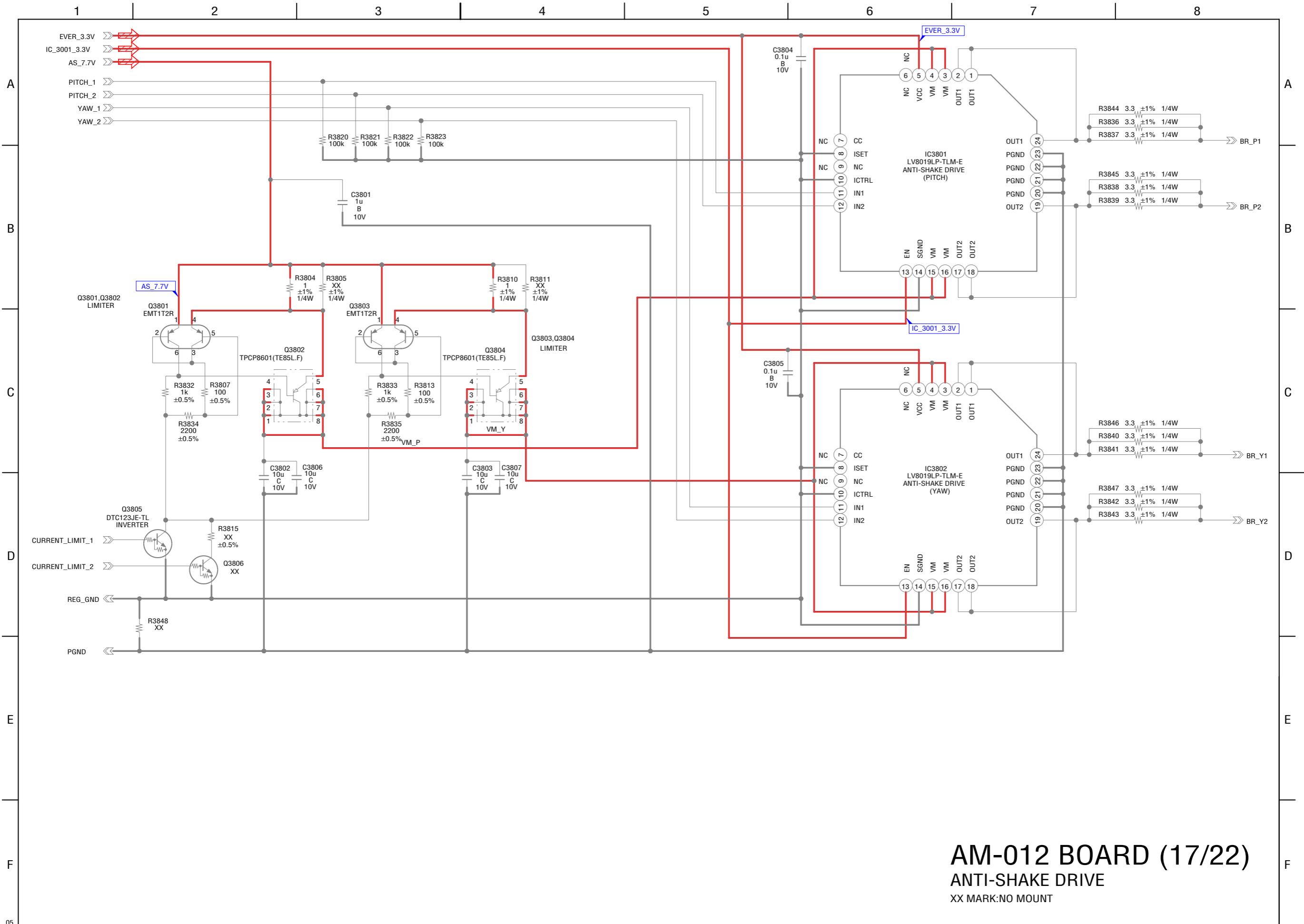


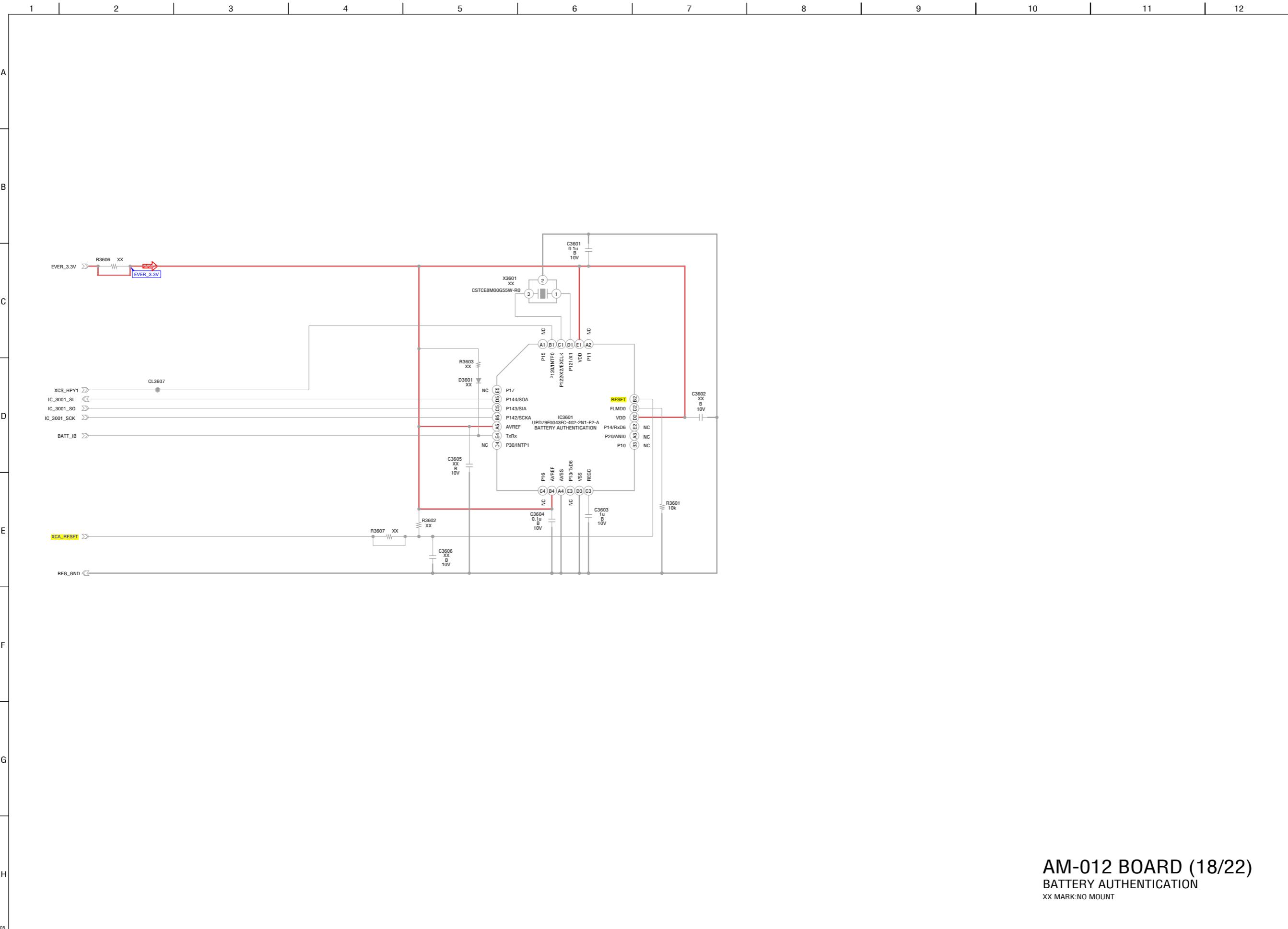
• Refer to page 4-3 for mark △.



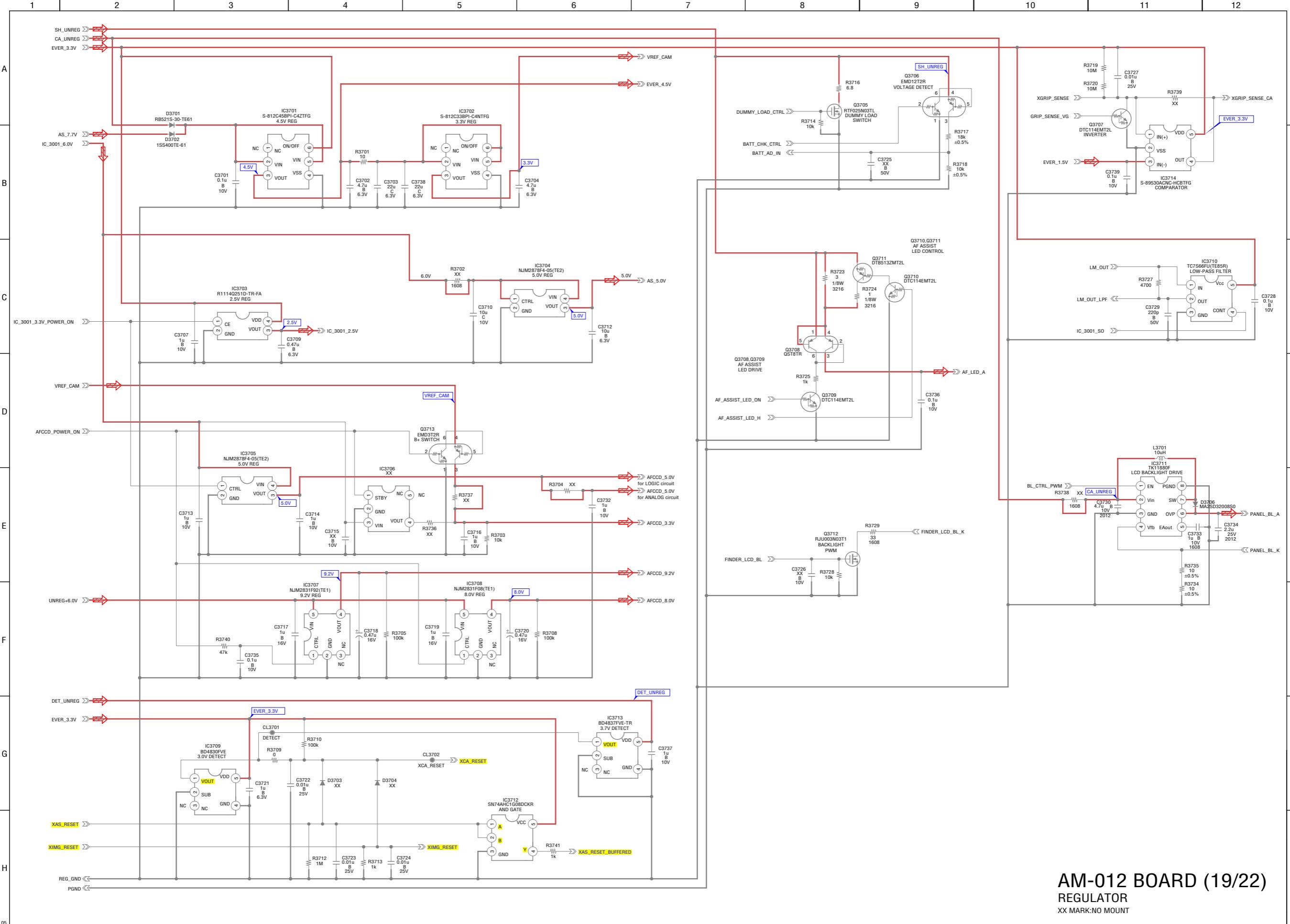


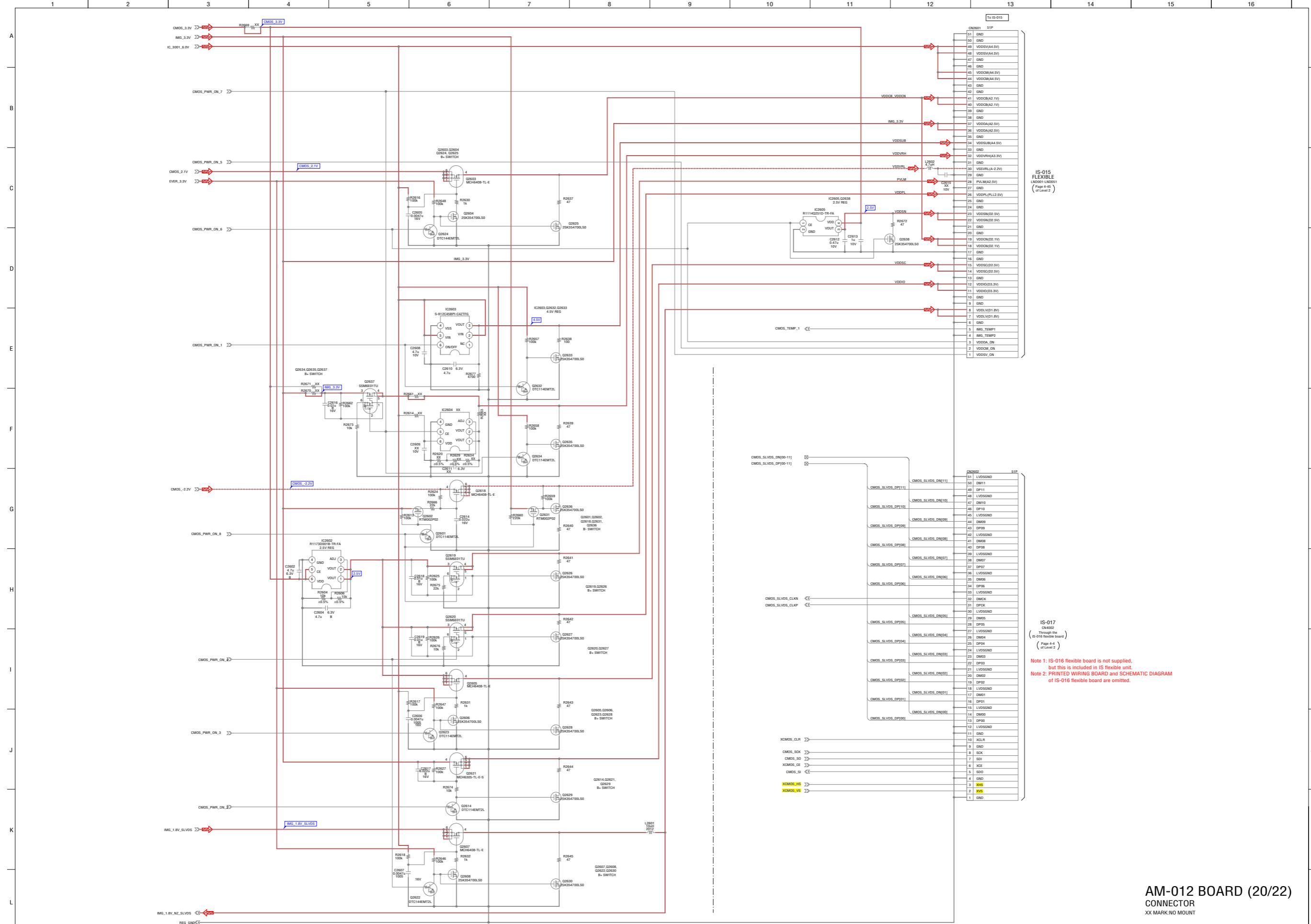


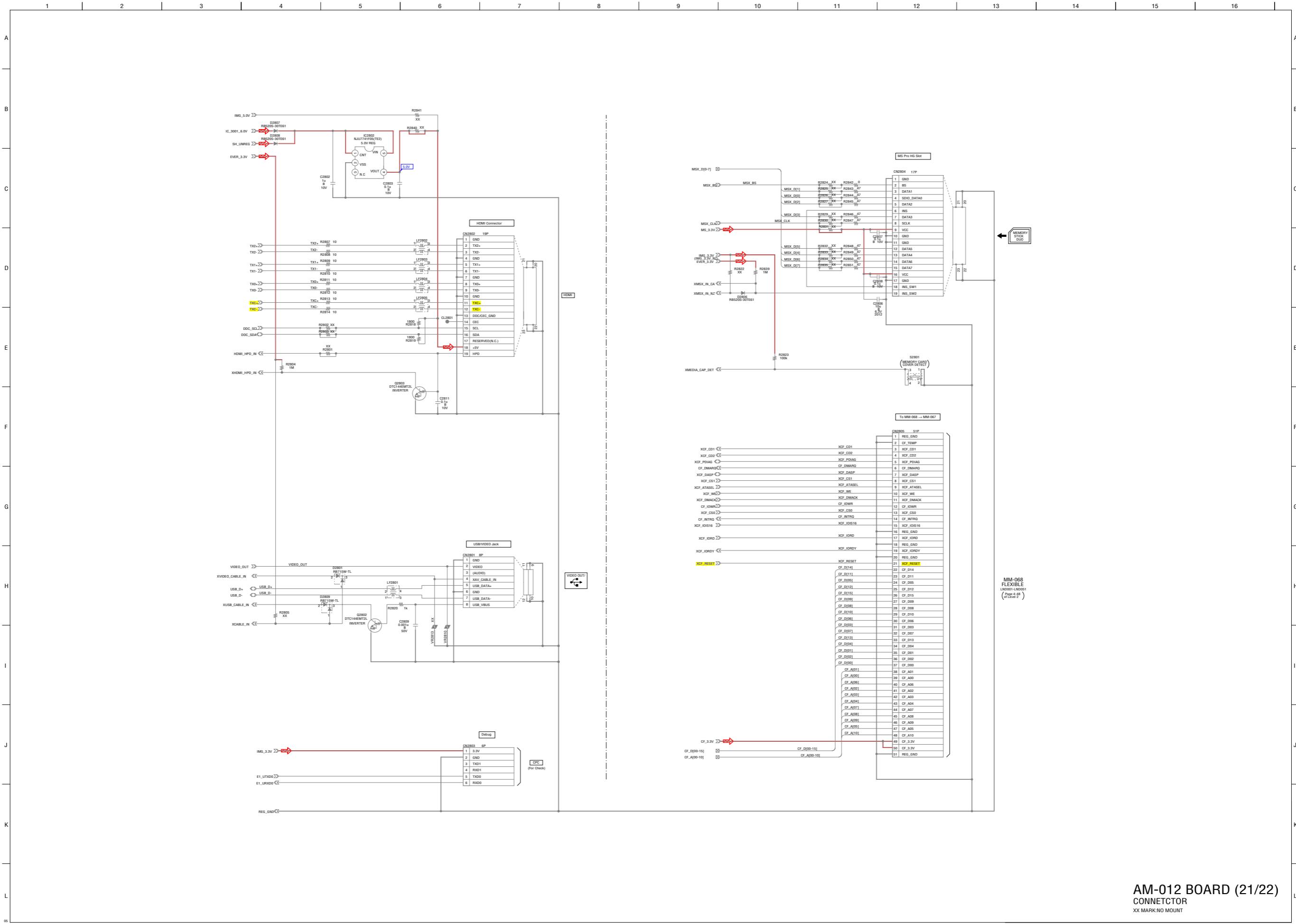


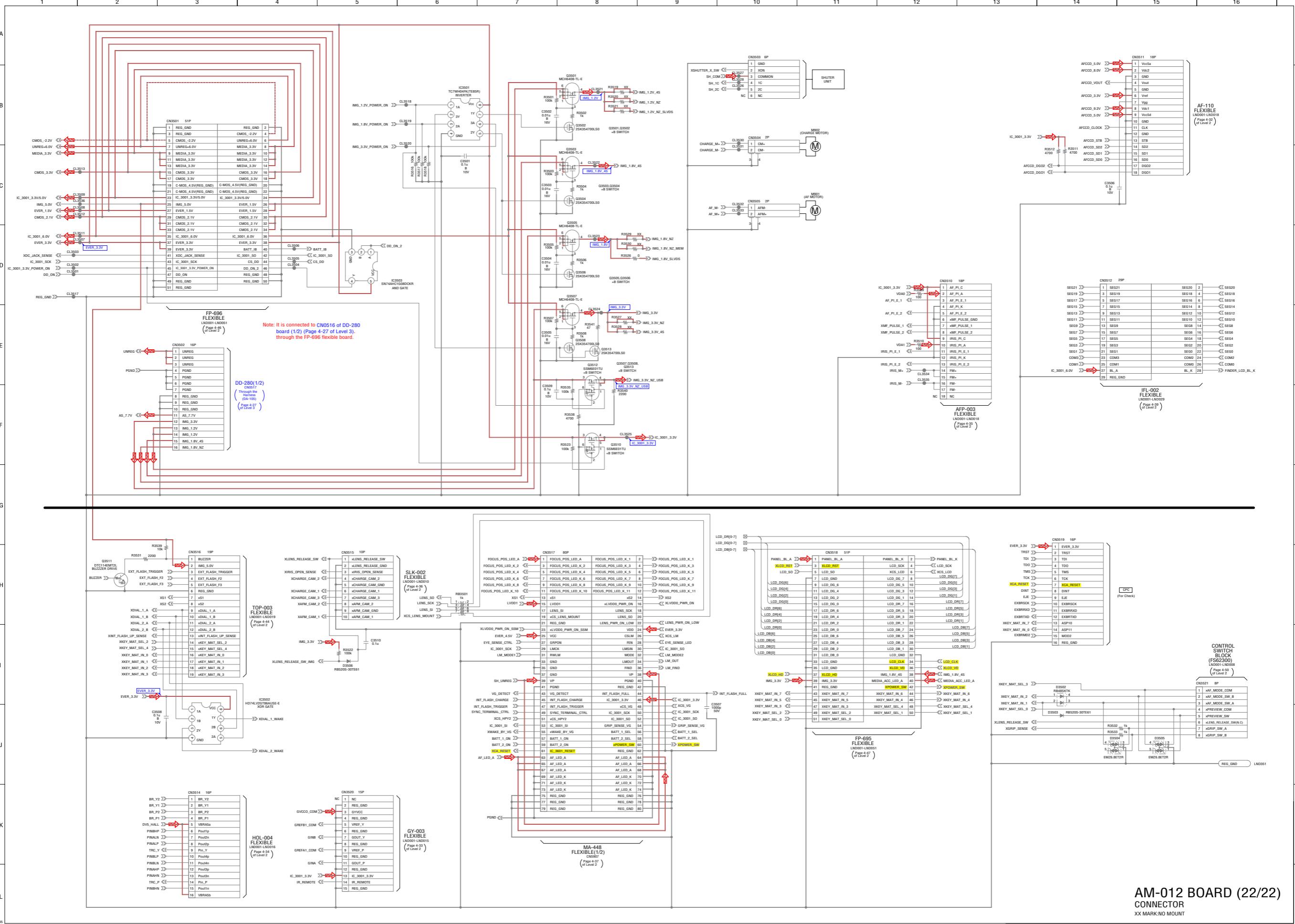


AM-012 BOARD (18/22)
BATTERY AUTHENTICATION
XX MARK: NO MOUNT



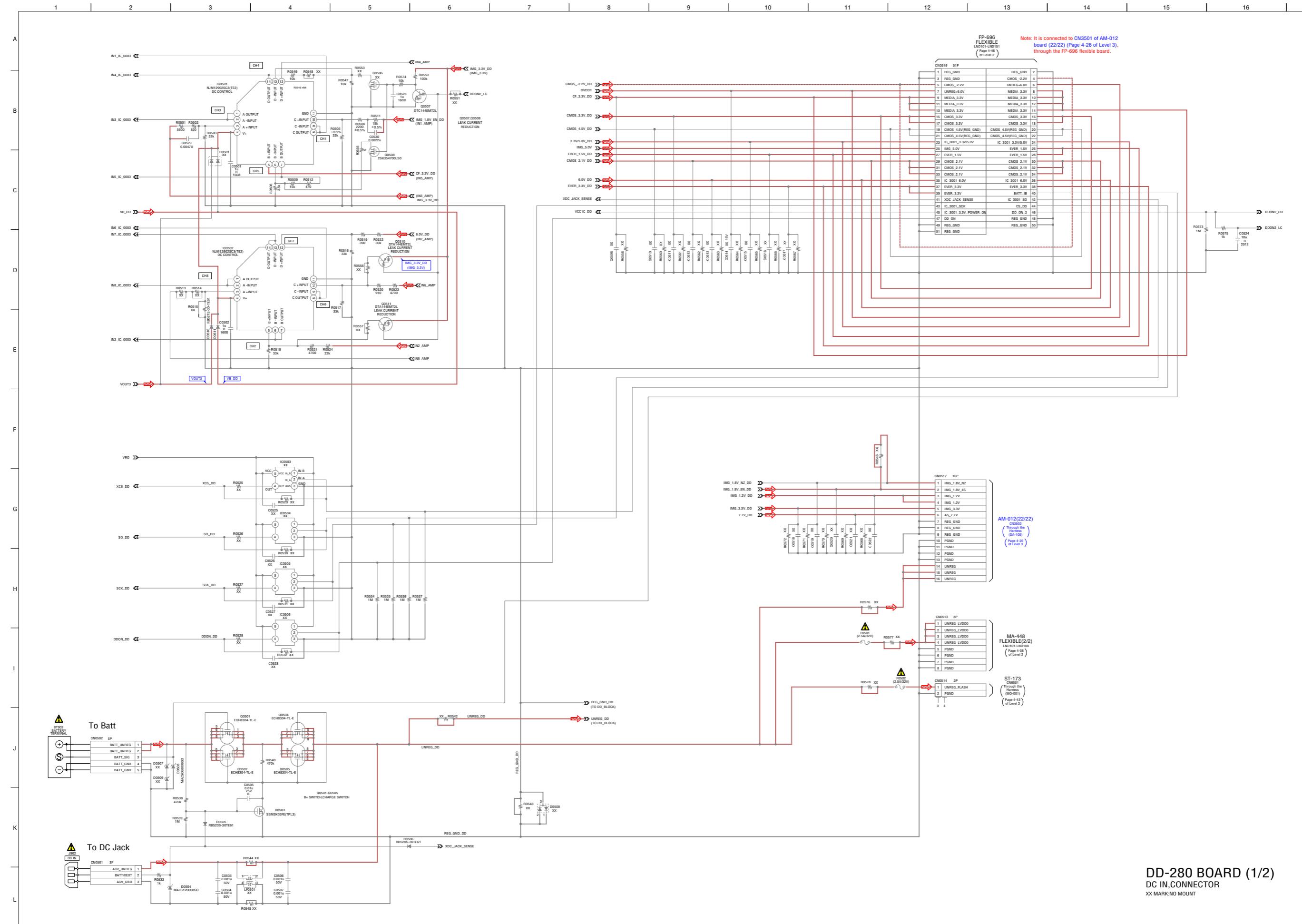




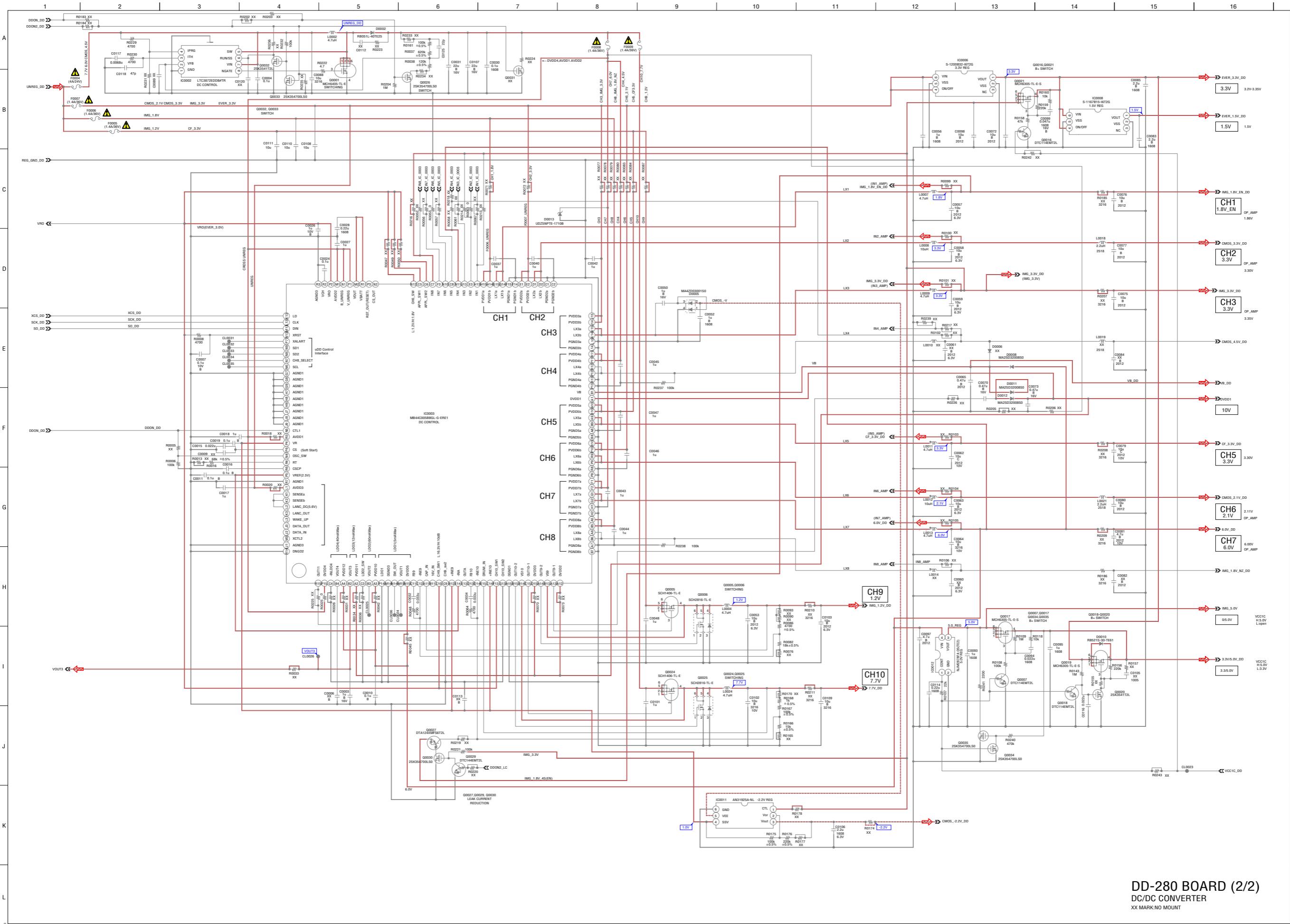


AM-012 BOARD (22/22)
CONNECTOR
XX MARK: NO MOUNT

- Refer to page 4-3 for mark △.



- Refer to page 4-3 for mark △.



4-3. PRINTED WIRING BOARDS

Link

• AM-012 BOARD (SIDE A)

• AM-012 BOARD (SIDE B)

• DD-280 BOARD

• COMMON NOTE FOR PRINTED WIRING BOARDS

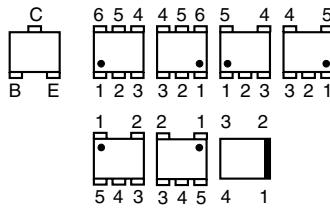
4-3. PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

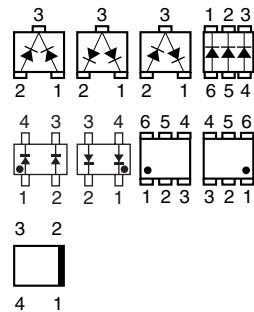
THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS

- : 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.
- There are a few cases that the part printed on diagram isn't mounted in this model.
- : panel designation

- Chip parts.
Transistor



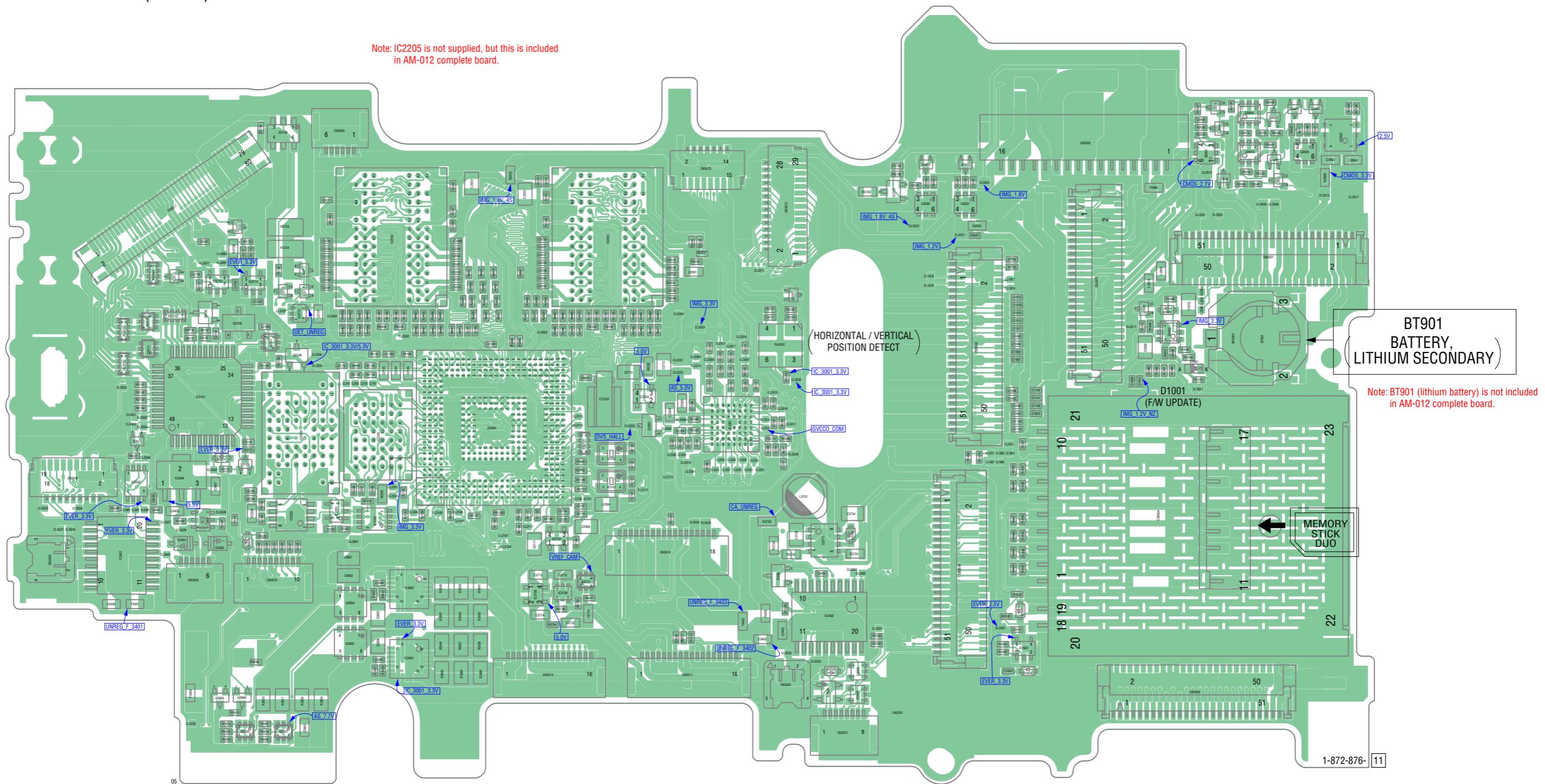
Diode



AM-012 (8 layers)

 : Uses unleaded solder.

AM-012 BOARD (SIDE A)



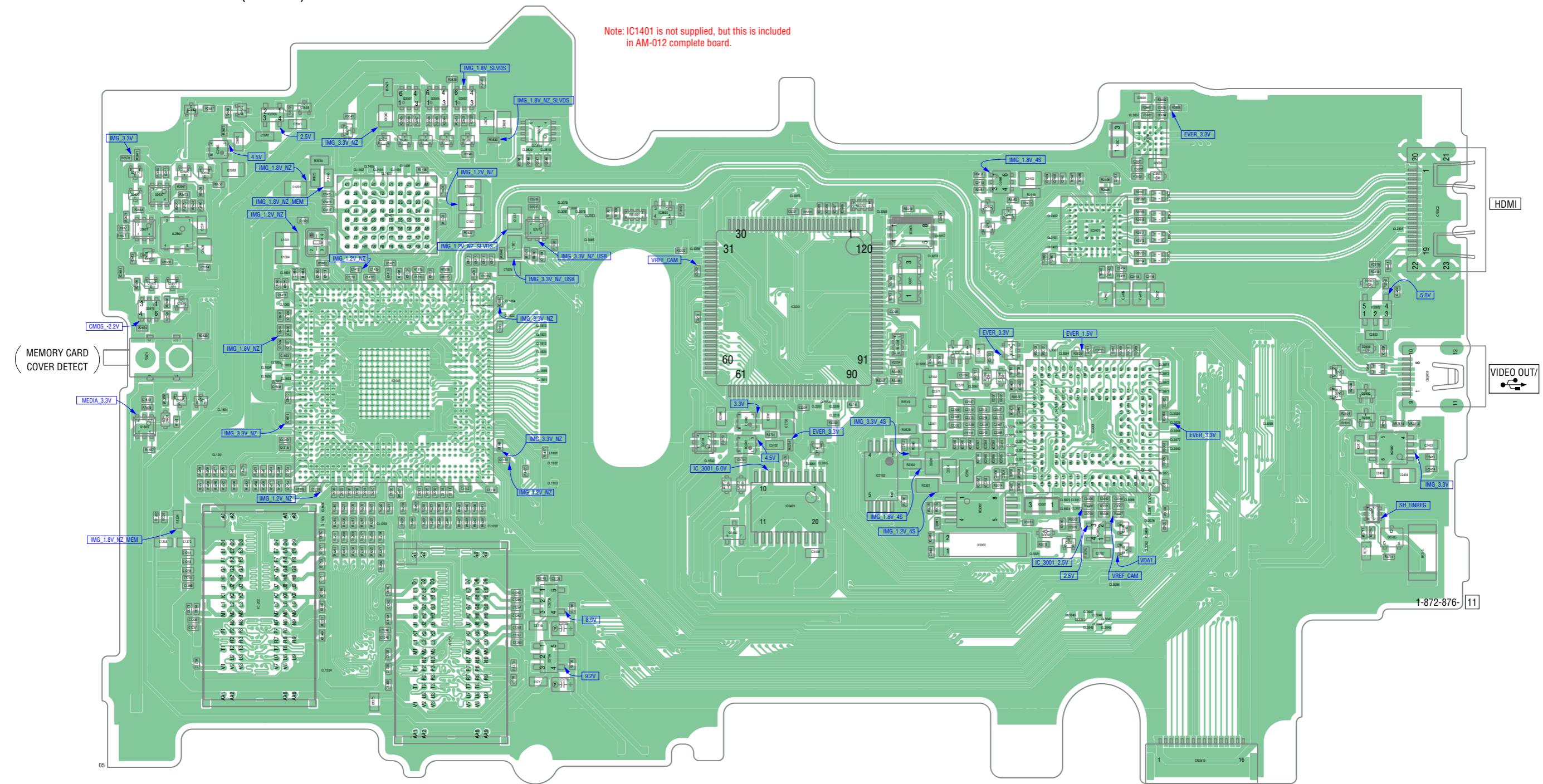
CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

Note: Replace the battery holder (BH3001) together when replacing the lithium battery (BT901) on the AM-012 board. (The battery holder removed once cannot be used again.)
When mounting these parts, mount new battery holder first and attach new lithium battery next.

AM-012 (8 layers)

 : Uses unleaded solder.

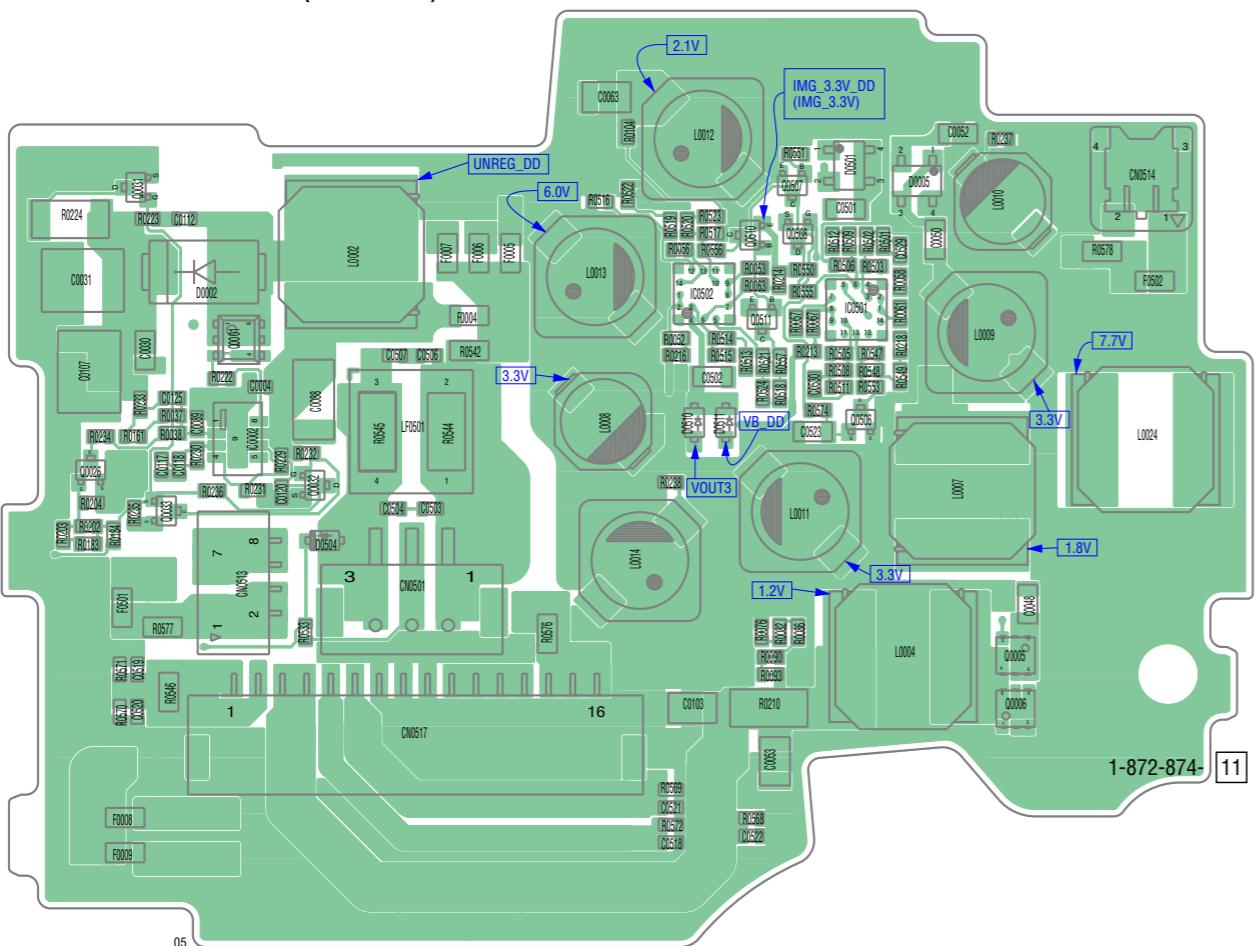
AM-012 BOARD (SIDE B)



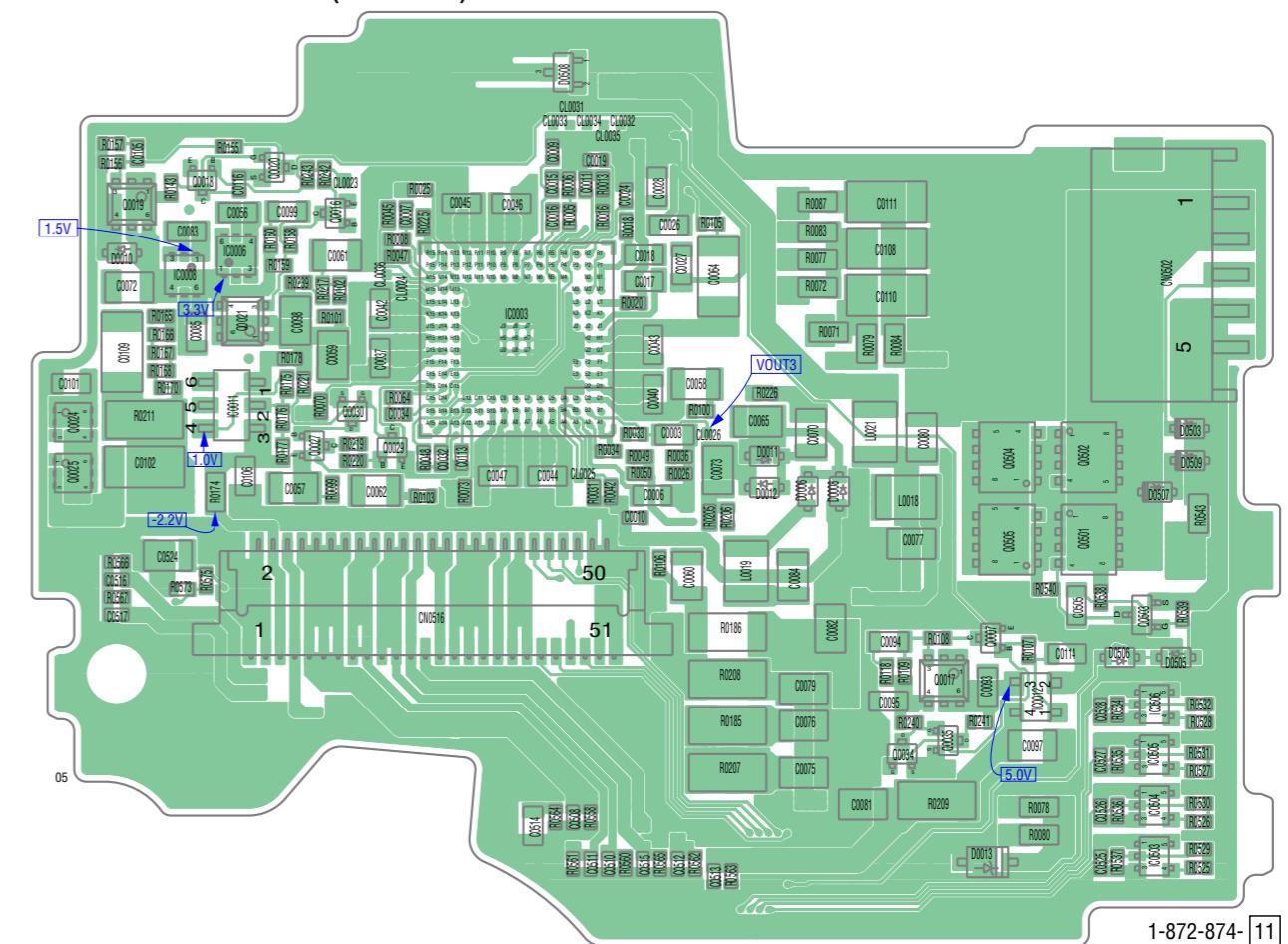
DD-280 (8 layers)

 : Uses unleaded solder.

DD-280 BOARD (SIDE A)



DD-280 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...
- 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.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
* CN3515	1-816-643-51	FFC/FPC CONNECTOR (LIF) 10P	* IC3001	6-807-711-01	IC 19A43FZXBG-0104 (EL)
* CN3516	1-817-697-71	CONNECTOR, FPC (ZIF) 19P	* IC3002	6-709-666-01	IC S-35190A-T8T1G
CN3517	1-816-925-11	CONNECTOR BOARD TO BOARD 80P	IC3003	6-702-355-01	IC AK6510CL-L
* CN3518	1-817-283-71	CONNECTOR, FPC (ZIF) 51P	* IC3101	6-709-676-01	IC M50222FP
* CN3519	1-816-646-51	FFC/FPC CONNECTOR (LIF) 16P	* IC3201	6-807-380-01	IC MB91F233LAPMC-G-00-ERE1
* CN3520	1-817-390-71	CONNECTOR, FPC (ZIF) 15P	* IC3301	6-711-675-01	IC uPC5703F1-035-AN4-E2-A
* CN3521	1-816-655-51	FFC/FPC CONNECTOR (LIF) 8P	* IC3401	6-709-661-01	IC TB6593FNG
		< DIODE >	* IC3402	6-709-658-01	IC LB8632V-TLM-E
D1001	8-719-063-83	DIODE SML-510MWT86 (F/W UPDATE)	* IC3403	6-709-658-01	IC LB8632V-TLM-E
D1602	6-500-813-01	DIODE MA2SD32008S0	* IC3404	6-709-663-01	IC XC6201P552PR
D1603	8-719-069-29	DIODE RB520S-30TE61	IC3501	8-759-598-43	IC TC7WH04FK (TE85R)
D2801	8-719-082-45	DIODE RB715W-TL	* IC3502	6-711-676-01	IC HD74LV2GT86AUSE-E
D2806	8-719-069-29	DIODE RB520S-30TE61	IC3503	8-759-649-46	IC SN74AHC1G08DCKR
D2807	8-719-069-29	DIODE RB520S-30TE61	* IC3601	6-807-572-01	IC uPD79F0043FC-402-2N1-E2-A
D2808	8-719-069-29	DIODE RB520S-30TE61	* IC3701	6-709-668-01	IC S-812C45BPI-C4ZTFG
D2809	8-719-082-45	DIODE RB715W-TL	* IC3702	6-709-667-01	IC S-812C33BPI-C4NTFG
D3002	8-719-069-29	DIODE RB520S-30TE61	* IC3703	6-708-464-01	IC R1114Q251D-TR-FA
D3101	8-719-069-29	DIODE RB520S-30TE61	* IC3704	6-711-661-01	IC NJM2878F4-05 (TE2)
D3401	8-719-083-85	DIODE UDZSNPTE-1722B	* IC3705	6-711-661-01	IC NJM2878F4-05 (TE2)
D3402	8-719-083-85	DIODE UDZSNPTE-1722B	* IC3707	6-711-679-01	IC NJM2831F92 (TE1)
D3502	8-719-074-08	DIODE MA4ZD03001S0	* IC3708	6-711-555-01	IC NJM2831F08 (TE1)
D3503	8-719-069-29	DIODE RB520S-30TE61	IC3709	6-704-433-01	IC BD4830FVE
D3504	8-719-084-17	DIODE EMZ6.8ET2R	IC3710	8-759-082-60	IC TC7S66FU
D3505	8-719-084-17	DIODE EMZ6.8ET2R	* IC3711	6-711-528-01	IC TK11880FTL
D3506	8-719-069-29	DIODE RB520S-30TE61	IC3712	8-759-649-46	IC SN74AHC1G08DCKR
D3701	8-719-071-34	DIODE RB521S-30-TE61	* IC3713	6-709-786-01	IC BD4837FVE-TR
D3702	8-719-069-28	DIODE 1SS400TE-61	IC3714	6-707-950-01	IC S-89530ACNC-HCBTFG
D3706	6-500-813-01	DIODE MA2SD32008S0	* IC3801	6-711-677-01	IC LV8019LP-TLM-E
		< FUSE >	* IC3802	6-711-677-01	IC LV8019LP-TLM-E
		< COIL >			
△F3401	1-576-407-21	FUSE (1.4A/36V)	L1001	1-400-397-11	INDUCTOR 10uH
△F3402	1-576-407-21	FUSE (1.4A/36V)	L1801	1-400-397-11	INDUCTOR 10uH
△F3403	1-576-407-21	FUSE (1.4A/36V)	L1802	1-400-397-11	INDUCTOR 10uH
△F3404	1-576-407-21	FUSE (1.4A/36V)	* L2301	1-400-411-21	INDUCTOR 4.7uH
△F3405	1-576-407-21	FUSE (1.4A/36V)	* L2302	1-400-411-21	INDUCTOR 4.7uH
△F3406	1-576-407-21	FUSE (1.4A/36V)	* L2303	1-400-411-21	INDUCTOR 4.7uH
		< FERRITE BEAD >	* L2304	1-400-411-21	INDUCTOR 4.7uH
FB2101	1-400-354-11	INDUCTOR, FERRITE BEAD (1005)	* L2305	1-400-411-21	INDUCTOR 4.7uH
FB2102	1-400-620-21	INDUCTOR, FERRITE BEAD (1005)	* L2401	1-400-411-21	INDUCTOR 4.7uH
		< IC >	* L2402	1-400-411-21	INDUCTOR 4.7uH
* IC1001	6-711-549-01	IC CXD9914GG	L2601	1-400-397-11	INDUCTOR 10uH
* IC1201	6-711-671-01	IC HYB18TC1G160BF-5	* L2602	1-481-103-21	INDUCTOR 4.7uH
* IC1202	6-711-671-01	IC HYB18TC1G160BF-5	L3701	1-456-500-11	INDUCTOR 10uH
IC1401	(Not supplied)	IC S99WS064K0010-03-ER			
IC1601	8-759-058-64	IC TC7S32FU (TE85R)			
* IC2001	6-711-636-01	IC MA07170			
* IC2002	6-711-672-01	IC HYB18TC512160BF-3.7			
* IC2003	6-711-672-01	IC HYB18TC512160BF-3.7			
IC2205	(Not supplied)	IC S29PL064J60BFI120E-001			
* IC2401	6-710-770-01	IC AD9889BBCZRL-80			
IC2402	6-707-834-01	IC BH76812FVM-STR			
IC2602	6-709-976-01	IC R1173D001B-TR-FA			
* IC2603	6-709-668-01	IC S-812C45BPI-C4ZTFG			
* IC2605	6-708-464-01	IC R1114Q251D-TR-FA			
* IC2802	6-711-682-01	IC NJU7741F05 (TE2)			
		< SENSOR >			
* PH3201	1-480-391-21	SLANT SENSOR (HORIZONTAL/VERTICAL POSITION DETECT)			

• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description			
< TRANSISTOR >								
Q1601	6-550-238-01	TRANSISTOR DTA114EMFS6T2L	Q3403	6-550-242-01	TRANSISTOR DTC114EMT2L			
Q1602	6-550-576-01	TRANSISTOR SSM6E01TU	Q3404	6-550-008-01	TRANSISTOR UM6K1N-TN			
Q1603	6-550-576-01	TRANSISTOR SSM6E01TU	* Q3501	6-551-833-01	TRANSISTOR MCH6408-TL-E			
Q1604	6-550-242-01	TRANSISTOR DTC114EMT2L	Q3502	6-550-379-01	TRANSISTOR 2SK354700LS0			
Q1605	6-550-242-01	TRANSISTOR DTC114EMT2L	* Q3503	6-551-833-01	TRANSISTOR MCH6408-TL-E			
* Q2401	6-551-833-01	TRANSISTOR MCH6408-TL-E	Q3504	6-550-379-01	TRANSISTOR 2SK354700LS0			
Q2402	6-550-379-01	TRANSISTOR 2SK354700LS0	* Q3505	6-551-833-01	TRANSISTOR MCH6408-TL-E			
Q2403	6-550-119-01	TRANSISTOR DTC114EMT2L	Q3506	6-550-379-01	TRANSISTOR 2SK354700LS0			
Q2404	6-550-379-01	TRANSISTOR 2SK354700LS0	* Q3507	6-551-833-01	TRANSISTOR MCH6408-TL-E			
Q2601	6-550-242-01	TRANSISTOR DTC114EMT2L	Q3508	6-550-379-01	TRANSISTOR 2SK354700LS0			
* Q2602	6-551-645-01	TRANSISTOR RTM002P02	Q3510	6-550-576-01	TRANSISTOR SSM6E01TU			
* Q2603	6-551-833-01	TRANSISTOR MCH6408-TL-E	Q3511	6-550-242-01	TRANSISTOR DTC114EMT2L			
Q2604	6-550-379-01	TRANSISTOR 2SK354700LS0	Q3512	6-550-576-01	TRANSISTOR SSM6E01TU			
* Q2605	6-551-833-01	TRANSISTOR MCH6408-TL-E	Q3513	6-550-379-01	TRANSISTOR 2SK354700LS0			
Q2606	6-550-379-01	TRANSISTOR 2SK354700LS0	Q3705	6-550-887-01	TRANSISTOR RTF025N03TL			
* Q2607	6-551-833-01	TRANSISTOR MCH6408-TL-E	Q3706	6-550-025-01	TRANSISTOR EMD12T2R			
Q2608	6-550-379-01	TRANSISTOR 2SK354700LS0	Q3707	6-550-242-01	TRANSISTOR DTC114EMT2L			
Q2614	6-550-242-01	TRANSISTOR DTC114EMT2L	Q3708	6-550-653-01	TRANSISTOR QST8TR			
* Q2618	6-551-833-01	TRANSISTOR MCH6408-TL-E	Q3709	6-550-242-01	TRANSISTOR DTC114EMT2L			
Q2619	6-550-576-01	TRANSISTOR SSM6E01TU	Q3710	6-550-242-01	TRANSISTOR DTC114EMT2L			
Q2620	6-550-576-01	TRANSISTOR SSM6E01TU	* Q3711	6-551-525-01	TRANSISTOR DTB513ZMT2L			
Q2621	6-551-184-01	TRANSISTOR MCH6305-TL-E-S	* Q3712	6-551-526-01	TRANSISTOR RJJU003N03T106			
Q2622	6-550-119-01	TRANSISTOR DTC114EMT2L	* Q3713	6-550-010-01	TRANSISTOR EMD3T2R			
Q2623	6-550-242-01	TRANSISTOR DTC114EMT2L	Q3801	8-729-053-54	TRANSISTOR HN1A01FE-Y/GR (TPLR3)			
Q2624	6-550-119-01	TRANSISTOR DTC114EMT2L	Q3802	6-551-329-01	TRANSISTOR TPCP8601 (TE85L.F)			
Q2625	6-550-379-01	TRANSISTOR 2SK354700LS0	Q3803	8-729-053-54	TRANSISTOR HN1A01FE-Y/GR (TPLR3)			
Q2626	6-550-379-01	TRANSISTOR 2SK354700LS0	Q3804	6-551-329-01	TRANSISTOR TPCP8601 (TE85L.F)			
Q2627	6-550-379-01	TRANSISTOR 2SK354700LS0	Q3805	8-729-929-08	TRANSISTOR DTC123JE			
Q2628	6-550-379-01	TRANSISTOR 2SK354700LS0	< RESISTOR >					
Q2629	6-550-379-01	TRANSISTOR 2SK354700LS0	R1001	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q2630	6-550-379-01	TRANSISTOR 2SK354700LS0	R1006	1-218-965-11	RES-CHIP	10K	5%	1/16W
* Q2631	6-551-645-01	TRANSISTOR RTM002P02	R1007	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q2632	6-550-242-01	TRANSISTOR DTC114EMT2L	R1009	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q2633	6-550-379-01	TRANSISTOR 2SK354700LS0	R1015	1-218-945-11	RES-CHIP	220	5%	1/16W
Q2634	6-550-242-01	TRANSISTOR DTC114EMT2L	R1201	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
Q2635	6-550-379-01	TRANSISTOR 2SK354700LS0	R1202	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
Q2636	6-550-379-01	TRANSISTOR 2SK354700LS0	R1279	1-218-945-11	RES-CHIP	220	5%	1/16W
Q2637	6-550-576-01	TRANSISTOR SSM6E01TU	R1281	1-218-945-11	RES-CHIP	220	5%	1/16W
Q2638	6-550-379-01	TRANSISTOR 2SK354700LS0	R1401	1-218-939-11	RES-CHIP	68	5%	1/16W
Q2802	6-550-119-01	TRANSISTOR DTC114EMT2L	R1403	1-218-977-11	RES-CHIP	100K	5%	1/16W
Q2803	6-550-119-01	TRANSISTOR DTC114EMT2L	R1602	1-218-989-11	RES-CHIP	1M	5%	1/16W
* Q3001	6-551-645-01	TRANSISTOR RTM002P02	R1603	1-218-989-11	RES-CHIP	1M	5%	1/16W
Q3101	6-550-242-01	TRANSISTOR DTC114EMT2L	R1604	1-218-981-91	RES-CHIP	220K	5%	1/16W
* Q3102	6-551-525-01	TRANSISTOR DTB513ZMT2L	R1605	1-218-981-91	RES-CHIP	220K	5%	1/16W
Q3105	8-729-905-35	TRANSISTOR 2SC4081-R	R1606	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q3106	8-729-904-66	TRANSISTOR DTD113EK-T-146	R1607	1-218-965-11	RES-CHIP	10K	5%	1/16W
Q3107	6-550-807-01	TRANSISTOR EMH11T2R	R1608	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
Q3108	8-729-922-06	TRANSISTOR 2SA1577-T106-Q	R1610	1-218-941-81	RES-CHIP	100	5%	1/16W
Q3109	6-550-242-01	TRANSISTOR DTC114EMT2L	R1611	1-218-941-81	RES-CHIP	100	5%	1/16W
* Q3111	6-550-011-01	TRANSISTOR EMH10T2R	R1809	1-218-953-11	RES-CHIP	1K	5%	1/16W
* Q3112	6-550-011-01	TRANSISTOR EMH10T2R	R1815	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
Q3113	6-550-242-01	TRANSISTOR DTC114EMT2L	R1816	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
Q3201	6-550-242-01	TRANSISTOR DTC114EMT2L	R1826	1-208-876-81	METAL CHIP	360	0.5%	1/16W
Q3301	8-729-140-63	TRANSISTOR 2SA1611-M5M6	R1827	1-208-876-81	METAL CHIP	360	0.5%	1/16W
Q3401	8-729-922-06	TRANSISTOR 2SA1577-T106-Q	R2031	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
Q3402	8-729-922-06	TRANSISTOR 2SA1577-T106-Q	R2032	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
			R2034	1-218-937-11	RES-CHIP	47	5%	1/16W

Ref. No.	Part No.	Description			Ref. No.	Part No.	Description				
R2035	1-218-937-11	RES-CHIP	47	5%	1/16W	R2640	1-218-937-11	RES-CHIP	47	5%	1/16W
R2036	1-218-937-11	RES-CHIP	47	5%	1/16W	R2641	1-218-937-11	RES-CHIP	47	5%	1/16W
						R2642	1-218-937-11	RES-CHIP	47	5%	1/16W
R2037	1-218-937-11	RES-CHIP	47	5%	1/16W	R2643	1-218-937-11	RES-CHIP	47	5%	1/16W
R2038	1-218-937-11	RES-CHIP	47	5%	1/16W	R2644	1-218-937-11	RES-CHIP	47	5%	1/16W
R2039	1-218-937-11	RES-CHIP	47	5%	1/16W						
R2040	1-218-937-11	RES-CHIP	47	5%	1/16W	R2645	1-218-937-11	RES-CHIP	47	5%	1/16W
R2041	1-218-937-11	RES-CHIP	47	5%	1/16W	R2646	1-218-977-11	RES-CHIP	100K	5%	1/16W
						R2647	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2042	1-218-945-11	RES-CHIP	220	5%	1/16W	R2648	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2043	1-218-945-11	RES-CHIP	220	5%	1/16W	R2657	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2101	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R2102	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2658	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2106	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2659	1-218-977-11	RES-CHIP	100K	5%	1/16W
						R2660	1-218-981-91	RES-CHIP	220K	5%	1/16W
R2107	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2662	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2108	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2666	1-218-969-11	RES-CHIP	22K	5%	1/16W
R2109	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R2111	1-218-989-11	RES-CHIP	1M	5%	1/16W	R2672	1-218-937-11	RES-CHIP	47	5%	1/16W
R2112	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2673	1-218-965-11	RES-CHIP	10K	5%	1/16W
						R2674	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2114	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W	R2675	1-218-969-11	RES-CHIP	22K	5%	1/16W
R2115	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2676	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2116	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R2120	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W	R2677	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R2122	1-218-941-11	RES-CHIP	100	5%	1/16W	R2804	1-218-989-11	RES-CHIP	1M	5%	1/16W
						R2807	1-218-929-11	RES-CHIP	10	5%	1/16W
R2141	1-218-990-81	SHORT CHIP	0			R2808	1-218-929-11	RES-CHIP	10	5%	1/16W
R2142	1-218-937-11	RES-CHIP	47	5%	1/16W	R2809	1-218-929-11	RES-CHIP	10	5%	1/16W
R2143	1-218-965-11	RES-CHIP	10K	5%	1/16W						
R2144	1-218-937-11	RES-CHIP	47	5%	1/16W	R2810	1-218-929-11	RES-CHIP	10	5%	1/16W
R2202	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2811	1-218-929-11	RES-CHIP	10	5%	1/16W
						R2812	1-218-929-11	RES-CHIP	10	5%	1/16W
R2206	1-218-990-81	SHORT CHIP	0			R2813	1-218-929-11	RES-CHIP	10	5%	1/16W
R2406	1-218-965-11	RES-CHIP	10K	5%	1/16W	R2814	1-218-929-11	RES-CHIP	10	5%	1/16W
R2407	1-218-989-11	RES-CHIP	1M	5%	1/16W						
R2409	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2818	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
R2411	1-218-939-11	RES-CHIP	68	5%	1/16W	R2819	1-218-956-11	RES-CHIP	1.8K	5%	1/16W
						R2820	1-218-953-11	RES-CHIP	1K	5%	1/16W
R2431	1-218-939-11	RES-CHIP	68	5%	1/16W	R2823	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2442	1-208-885-11	METAL CHIP	820	0.5%	1/16W	R2839	1-218-989-11	RES-CHIP	1M	5%	1/16W
R2443	1-218-939-11	RES-CHIP	68	5%	1/16W						
R2446	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R2842	1-218-990-81	SHORT CHIP	0		
R2447	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R2843	1-218-937-11	RES-CHIP	47	5%	1/16W
						R2844	1-218-937-11	RES-CHIP	47	5%	1/16W
R2450	1-218-981-91	RES-CHIP	220K	5%	1/16W	R2845	1-218-937-11	RES-CHIP	47	5%	1/16W
R2451	1-218-953-11	RES-CHIP	1K	5%	1/16W	R2846	1-218-937-11	RES-CHIP	47	5%	1/16W
R2452	1-218-945-11	RES-CHIP	220	5%	1/16W						
R2453	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2847	1-218-937-11	RES-CHIP	47	5%	1/16W
R2604	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	R2848	1-218-937-11	RES-CHIP	47	5%	1/16W
						R2849	1-218-937-11	RES-CHIP	47	5%	1/16W
R2606	1-208-711-11	METAL CHIP	15K	0.5%	1/16W	R2850	1-218-937-11	RES-CHIP	47	5%	1/16W
R2613	1-218-977-11	RES-CHIP	100K	5%	1/16W	R2851	1-218-937-11	RES-CHIP	47	5%	1/16W
R2616	1-218-977-11	RES-CHIP	100K	5%	1/16W						
R2617	1-218-977-11	RES-CHIP	100K	5%	1/16W	R3002	1-218-989-11	RES-CHIP	1M	5%	1/16W
R2618	1-218-977-11	RES-CHIP	100K	5%	1/16W	R3003	1-218-989-11	RES-CHIP	1M	5%	1/16W
						R3010	1-218-985-11	RES-CHIP	470K	5%	1/16W
R2624	1-218-977-11	RES-CHIP	100K	5%	1/16W	R3013	1-218-949-11	RES-CHIP	470	5%	1/16W
R2625	1-218-977-11	RES-CHIP	100K	5%	1/16W	R3014	1-218-977-11	RES-CHIP	100K	5%	1/16W
R2626	1-218-977-11	RES-CHIP	100K	5%	1/16W						
R2627	1-218-977-11	RES-CHIP	100K	5%	1/16W	R3018	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2630	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3019	1-218-965-11	RES-CHIP	10K	5%	1/16W
						R3022	1-218-985-11	RES-CHIP	470K	5%	1/16W
R2631	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3023	1-218-990-81	SHORT CHIP	0		
R2632	1-218-953-11	RES-CHIP	1K	5%	1/16W	R3024	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2637	1-218-937-11	RES-CHIP	47	5%	1/16W						
R2638	1-218-941-81	RES-CHIP	100	5%	1/16W	R3030	1-218-965-11	RES-CHIP	10K	5%	1/16W
R2639	1-218-937-11	RES-CHIP	47	5%	1/16W	R3101	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
						R3102	1-218-957-11	RES-CHIP	2.2K	5%	1/16W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
RB3102	1-234-943-21	RES, NETWORK 22 (1005X4)	C0056	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
RB3103	1-234-943-21	RES, NETWORK 22 (1005X4)	C0057	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
RB3201	1-234-381-11	RES, NETWORK 100K (1005X4)	C0058	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
RB3202	1-234-375-21	RES, NETWORK 1K (1005X4)	C0059	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
RB3501	1-234-375-21	RES, NETWORK 1K (1005X4)	C0062	1-100-966-91	CERAMIC CHIP 10uF 20% 10V
		< SWITCH >	C0063	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
* S2801	1-798-076-21	PUSHBUTTON SWITCH (MEMORY CARD COVER DETECT)	C0064	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
		< VARIABLE RESISTOR >	C0065	1-107-823-11	CERAMIC CHIP 0.47uF 10% 16V
* VR2810	1-802-128-11	VARISTOR (SMD)	C0070	1-107-823-11	CERAMIC CHIP 0.47uF 10% 16V
		< VIBRATOR >	C0072	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
* X1001	1-813-403-81	QUARTZ CRYSTAL OSCILLATOR (12MHz)	C0073	1-107-823-11	CERAMIC CHIP 0.47uF 10% 16V
* X2101	1-813-854-21	QUARTZ CRYSTAL OSCILLATOR (74.25MHz)	C0075	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
* X2102	1-814-051-21	QUARTZ CRYSTAL OSCILLATOR (74.175824MHz)	C0076	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
X3001	1-795-244-11	VIBRATOR, CERAMIC (10MHz)	C0077	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
X3002	1-767-994-23	VIBRATOR, CRYSTAL (32.768kHz)	C0079	1-100-966-91	CERAMIC CHIP 10uF 20% 10V
X3201	1-781-646-21	VIBRATOR, CERAMIC (4MHz)	C0080	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
		A-1317-976-A DD-280 BOARD, COMPLETE	C0081	1-112-300-91	CERAMIC CHIP 4.7uF 10% 10V
		*****	C0083	1-165-884-91	CERAMIC CHIP 2.2uF 10% 6.3V
		< CAPACITOR >	C0085	1-165-884-91	CERAMIC CHIP 2.2uF 10% 6.3V
* C0003	1-112-298-91	CERAMIC CHIP 1uF 10% 16V	C0088	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
C0004	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C0093	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C0007	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C0094	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V
C0010	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C0095	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C0011	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C0097	1-112-300-91	CERAMIC CHIP 4.7uF 10% 10V
C0015	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V	C0098	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C0016	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C0099	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V
C0017	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0101	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C0018	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0102	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
C0019	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C0103	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
C0024	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C0106	1-165-884-91	CERAMIC CHIP 2.2uF 10% 6.3V
C0026	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0107	1-100-055-21	CERAMIC CHIP 22uF 20% 16V
C0027	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0108	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
C0028	1-127-715-91	CERAMIC CHIP 0.22uF 10% 16V	C0109	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
C0030	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	C0110	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
C0031	1-100-055-21	CERAMIC CHIP 22uF 20% 16V	C0111	1-165-875-11	CERAMIC CHIP 10uF 10% 10V
C0032	1-127-772-81	CERAMIC CHIP 0.033uF 10% 10V	C0114	1-127-715-91	CERAMIC CHIP 0.22uF 10% 16V
C0034	1-127-772-81	CERAMIC CHIP 0.033uF 10% 10V	C0116	1-107-819-11	CERAMIC CHIP 0.022uF 10% 16V
C0037	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0117	1-164-942-11	CERAMIC CHIP 0.0068uF 10% 16V
C0040	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0118	1-164-866-11	CERAMIC CHIP 47PF 5% 50V
C0042	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0125	1-164-858-11	CERAMIC CHIP 22PF 5% 50V
C0043	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0501	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C0044	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0502	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C0045	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0503	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C0046	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0506	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
		< CONNECTOR >	C0507	1-164-937-11	CERAMIC CHIP 0.001uF 10% 50V
C0047	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0523	1-165-908-11	CERAMIC CHIP 1uF 10% 10V
C0048	1-165-908-11	CERAMIC CHIP 1uF 10% 10V	C0524	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V
* C0050	1-112-298-91	CERAMIC CHIP 1uF 10% 16V	C0529	1-100-581-81	CERAMIC CHIP 0.0047uF 10% 50V
* C0052	1-112-298-91	CERAMIC CHIP 1uF 10% 16V	C0530	1-164-939-11	CERAMIC CHIP 0.0022uF 10% 50V
C0053	1-165-989-11	CERAMIC CHIP 10uF 10% 6.3V	CN0501	1-691-550-11	PIN, CONNECTOR (1.5MM) (SMD) 3P
			CN0502	1-569-775-11	PIN, CONNECTOR (SMD) 5P
			CN0513	1-779-328-51	CONNECTOR, FFC/FPC 8P
			* CN0514	1-820-332-11	HOUSING, CONNECTOR 2P
			* CN0516	1-819-860-51	CONNECTOR, FPC (ZIF) 51P

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
CN0517	1-793-318-21	CONNECTOR 16P	Q0017	6-551-184-01	TRANSISTOR
		< DIODE >	Q0018	6-550-242-01	TRANSISTOR
D0002	8-719-066-98	DIODE RB051L-40TE25	Q0019	6-551-184-01	TRANSISTOR
D0005	8-719-074-08	DIODE MA4ZD03001S0	Q0020	6-551-346-01	TRANSISTOR
D0008	6-500-813-01	DIODE MA2SD32008S0	Q0021	6-551-184-01	TRANSISTOR
D0010	8-719-071-34	DIODE RB521S-30-TE61	Q0024	6-550-714-01	TRANSISTOR
D0011	6-500-813-01	DIODE MA2SD32008S0	Q0025	6-550-713-01	TRANSISTOR
D0012	6-500-813-01	DIODE MA2SD32008S0	Q0026	6-550-379-01	TRANSISTOR
* D0013	6-502-221-01	DIODE MM3Z10VST1G	* Q0027	6-550-524-01	TRANSISTOR
D0503	8-719-056-54	DIODE MAZS068008S0	Q0029	6-550-119-01	TRANSISTOR
D0504	8-719-056-59	DIODE MAZS120008S0	Q0030	6-550-379-01	TRANSISTOR
D0505	8-719-069-29	DIODE RB520S-30TE61	Q0032	6-551-346-01	TRANSISTOR
D0506	8-719-069-29	DIODE RB520S-30TE61	Q0033	6-550-379-01	TRANSISTOR
D0510	8-719-071-34	DIODE RB521S-30-TE61	Q0034	6-550-379-01	TRANSISTOR
D0511	8-719-071-34	DIODE RB521S-30-TE61	Q0035	6-550-379-01	TRANSISTOR
		< FUSE >	* Q0501	6-551-831-01	TRANSISTOR
* D0004	1-576-958-21	FUSE (4A/24V)	* Q0502	6-551-831-01	TRANSISTOR
* D0005	1-576-407-21	FUSE (1.4A/36V)	Q0503	8-729-047-68	TRANSISTOR
* D0006	1-576-407-21	FUSE (1.4A/36V)	* Q0504	6-551-831-01	TRANSISTOR
* D0007	1-576-407-21	FUSE (1.4A/36V)	* Q0505	6-551-831-01	TRANSISTOR
* D0008	1-576-407-21	FUSE (1.4A/36V)	Q0507	6-550-119-01	TRANSISTOR
* D0009	1-576-407-21	FUSE (1.4A/36V)	Q0508	6-550-379-01	TRANSISTOR
* D* F0501	1-576-874-11	FUSE (2.5A/32V)	Q0510	6-550-239-01	TRANSISTOR
* D* F0502	1-576-874-11	FUSE (2.5A/32V)	Q0511	6-550-239-01	TRANSISTOR
		< RESISTOR >	R0006	1-218-977-11	RES-CHIP
		< IC >	R0008	1-218-961-11	RES-CHIP
* IC0002	6-711-563-01	IC LTC3872EDDB#TR	R0016	1-208-931-11	METAL CHIP
* IC0003	6-710-636-01	IC MB44C005BBGL-G-ERE1	R0025	1-218-990-81	SHORT CHIP
* IC0006	6-711-562-01	IC S-1200B32-I6T2G	R0037	1-208-954-81	METAL CHIP
IC0008	6-711-149-01	IC S-1167B15-I6T2G	R0038	1-218-978-11	RES-CHIP
* IC0011	6-708-707-01	IC AN31925A-NL	R0048	1-218-961-11	RES-CHIP
* IC0012	6-711-661-01	IC NJM2878F4-05 (TE2)	R0053	1-218-990-81	SHORT CHIP
IC0501	6-702-523-01	IC NJM12902SC3 (TE2)	R0063	1-218-990-81	SHORT CHIP
IC0502	6-702-523-01	IC NJM12902SC3 (TE2)	R0064	1-218-961-11	RES-CHIP
		< COIL >	R0082	1-208-713-11	METAL CHIP
* L0002	1-457-522-21	INDUCTOR	R0086	1-208-699-11	METAL CHIP
* L0004	1-457-522-21	INDUCTOR	R0107	1-218-969-11	RES-CHIP
* L0007	1-457-522-21	INDUCTOR	R0108	1-218-977-11	RES-CHIP
L0008	1-456-500-11	INDUCTOR	R0109	1-218-989-11	RES-CHIP
L0009	1-456-135-11	INDUCTOR	R0118	1-218-965-11	RES-CHIP
L0011	1-456-135-11	INDUCTOR	R0143	1-218-989-11	RES-CHIP
L0012	1-456-136-21	INDUCTOR	R0156	1-218-981-91	RES-CHIP
L0013	1-456-135-11	INDUCTOR	R0158	1-218-973-11	RES-CHIP
* L0018	1-400-820-11	INDUCTOR	R0159	1-218-981-91	RES-CHIP
* L0021	1-400-820-11	INDUCTOR	R0160	1-218-965-11	RES-CHIP
* L0024	1-457-522-21	INDUCTOR	R0161	1-208-935-11	METAL CHIP
		< TRANSISTOR >	R0166	1-208-711-11	METAL CHIP
* Q0001	6-551-832-01	TRANSISTOR	R0167	1-208-935-11	METAL CHIP
Q0005	6-550-714-01	TRANSISTOR	R0168	1-208-683-11	METAL CHIP
Q0006	6-550-713-01	TRANSISTOR	R0175	1-208-935-11	METAL CHIP
Q0007	6-550-242-01	TRANSISTOR	R0176	1-208-943-11	METAL CHIP
Q0016	6-550-242-01	TRANSISTOR	R0204	1-218-989-11	RES-CHIP
			R0221	1-218-977-11	RES-CHIP
			R0222	1-220-803-81	RES-CHIP
			R0229	1-218-961-11	RES-CHIP
			R0230	1-218-961-11	RES-CHIP

• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description				
R0232	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R0237	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R0238	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R0240	1-218-985-11	RES-CHIP	470K	5%	1/16W	
R0241	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	
R0501	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W	
R0502	1-208-885-11	METAL CHIP	820	0.5%	1/16W	
R0503	1-208-923-11	METAL CHIP	33K	0.5%	1/16W	
R0505	1-208-923-11	METAL CHIP	33K	0.5%	1/16W	
R0506	1-208-923-11	METAL CHIP	33K	0.5%	1/16W	
R0508	1-208-691-11	METAL CHIP	2.2K	0.5%	1/16W	
R0509	1-208-711-11	METAL CHIP	15K	0.5%	1/16W	
R0511	1-208-711-11	METAL CHIP	15K	0.5%	1/16W	
R0512	1-208-675-11	METAL CHIP	470	0.5%	1/16W	
R0516	1-208-923-11	METAL CHIP	33K	0.5%	1/16W	
R0517	1-208-923-11	METAL CHIP	33K	0.5%	1/16W	
R0518	1-208-923-11	METAL CHIP	33K	0.5%	1/16W	
R0519	1-218-948-11	RES-CHIP	390	5%	1/16W	
R0520	1-208-886-81	METAL CHIP	910	0.5%	1/16W	
R0521	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W	
R0522	1-208-922-11	METAL CHIP	30K	0.5%	1/16W	
R0523	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W	
R0524	1-208-715-11	METAL CHIP	22K	0.5%	1/16W	
R0533	1-218-953-11	RES-CHIP	1K	5%	1/16W	
R0534	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R0535	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R0536	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R0537	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R0538	1-218-985-11	RES-CHIP	470K	5%	1/16W	
R0539	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R0540	1-218-985-11	RES-CHIP	470K	5%	1/16W	
R0547	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	
R0549	1-208-911-11	METAL CHIP	10K	0.5%	1/16W	
R0550	1-218-977-11	RES-CHIP	100K	5%	1/16W	
R0555	1-218-990-81	SHORT CHIP	0			
R0573	1-218-989-11	RES-CHIP	1M	5%	1/16W	
R0574	1-218-965-11	RES-CHIP	10K	5%	1/16W	
R0575	1-218-953-11	RES-CHIP	1K	5%	1/16W	

SONY®

LEVEL 3

SERVICE MANUAL

Ver. 1.2 2008.02

SUPPLEMENT-1

File this supplement with the service manual.
(DI07-268)

- Change of Repair Parts

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Japanese Model*

5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

Page	Former	New
	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u> A-1379-334-A AM-012 BOARD, COMPLETE (SERVICE) **** < FUSE > ▲F3401 1-576-407-21 FUSE (1.4A/36V) ▲F3402 1-576-407-21 FUSE (1.4A/36V) ▲F3403 1-576-407-21 FUSE (1.4A/36V) ▲F3404 1-576-407-21 FUSE (1.4A/36V) ▲F3405 1-576-407-21 FUSE (1.4A/36V) ▲F3406 1-576-407-21 FUSE (1.4A/36V) < TRANSISTOR > Q3805 8-729-929-08 TRANSISTOR DTC123JE	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u> A-1379-334-A AM-012 BOARD, COMPLETE (SERVICE) **** < FUSE > ▲F3401 1-576-406-11 FUSE (1.4A/32V) ▲F3402 1-576-406-11 FUSE (1.4A/32V) ▲F3403 1-576-406-11 FUSE (1.4A/32V) ▲F3404 1-576-406-11 FUSE (1.4A/32V) ▲F3405 1-576-406-11 FUSE (1.4A/32V) ▲F3406 1-576-406-11 FUSE (1.4A/32V) < TRANSISTOR > Q3805 8-729-929-09 TRANSISTOR DTC123JE-TL
5-21	A-1317-976-A DD-280 BOARD, COMPLETE **** < FUSE > ▲F0005 1-576-407-21 FUSE (1.4A/36V) ▲F0006 1-576-407-21 FUSE (1.4A/36V) ▲F0007 1-576-407-21 FUSE (1.4A/36V) ▲F0008 1-576-407-21 FUSE (1.4A/36V) ▲F0009 1-576-407-21 FUSE (1.4A/36V)	A-1317-976-A DD-280 BOARD, COMPLETE **** < FUSE > ▲F0005 1-576-406-11 FUSE (1.4A/32V) ▲F0006 1-576-406-11 FUSE (1.4A/32V) ▲F0007 1-576-406-11 FUSE (1.4A/32V) ▲F0008 1-576-406-11 FUSE (1.4A/32V) ▲F0009 1-576-406-11 FUSE (1.4A/32V)
5-22		
5-26		

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

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

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

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2007.09	Official Release	—	—
1.1	2007.10	Revised-1 (A1 DI07-173)	<ul style="list-style-type: none">• Addition of Note <p>S.M. revised: Page 4-24</p>	Yes
1.2	2008.02	Supplement-1 (S1 DI07-268)	<ul style="list-style-type: none">• Change of Repair Parts	No