

Caution Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Dispose of used batteries according to the instructions.	注意 如果电池更换不当会有爆炸危险。 只能用同样类型或等效类型的电池来更换。 务必按照说明处置用完的电池。
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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 SUPPLÉMENTS PUBLIÉS PAR SONY.
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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 350°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

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.

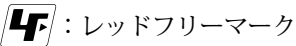
Caution 電池の交換は、正しく行わないと破裂する恐れがあります。 電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。 使用済み電池は、取扱指示に従って処分してください。

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。これらの注意書きおよ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パ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かなどを点検し、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
 - こて先温度を約350°Cに設定して行ってください。
 - 同一パターンに何度もこて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。

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)



: レッドフリーマーク

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てしまいます。

2. REPAIR PARTS LIST

AFF-2001	AFP-007	AM-1004
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(ENGLISH)

NOTE:

- XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- CAPACITORS:
uF: μ F
COILS
uH: μ H
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- SEMICONDUCTORS
In each case, u: μ , for example:
uA..., μ A..., uPA..., μ PA...,
uPB..., μ PB..., 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 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.

Caution
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Dispose of used batteries according to the instructions.

注意
如果电池更换不当会有爆炸危险。只能用同样类型或等效类型的电池来更换。务必按照说明处置用完的电池。

Note 1: Be sure to read “Precautions for Replacement of Imager” on page 6-1.

Note 2: Replace the battery holder (BH6660) together when replacing the lithium secondary battery (BT6660) on the AM-1004 board. (The battery holder removed once cannot be used again.) When mounting these parts, mount new battery holder first and attach new lithium storage battery next.

(JAPANESE)

【使用上の注意】

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

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

$\triangle$ 印の部品、または $\triangle$ 印付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ください。

注意
電池の交換は、正しく行わないと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。使用済み電池は、取扱指示に従って処分してください。

Note 1: イメージャの交換時は6-1ページの“イメージャ交換時の注意”を必ずお読みください。

Note 2: AM-1004基板のリチウム蓄電池（BT6660）を交換する場合はバッテリーホルダ（BH6660）も同時に新品に交換してください。（一度使用したバッテリーホルダは再使用できません。）部品取り付けの際は、先にバッテリーホルダを取り付けてからリチウム蓄電池を装着してください。

2-2. ELECTRICAL PARTS LIST

Ref. No.	Part No.	Description
	A-1890-674-A (Not supplied)	ALX-8800 AFF-2001 FLEXIBLE BOARD, COMPLETE *****
(All mounted parts and AFF-2001 FLEXIBLE COMPLETE BOARD are not supplied, but they are included in ALX-8800.)		
	A-1837-337-A (Not supplied)	AF DRIVING UNIT AFP-007 FLEXIBLE BOARD, COMPLETE *****
(All mounted parts and AFP-007 FLEXIBLE COMPLETE BOARD are not supplied, but they are included in AF DRIVING UNIT.)		
	A-2042-679-A	AM-1004 BOARD, COMPLETE (SERVICE) *****
(C0501, C1009, C1110, C1114, C1115, C1117, C1119, C1120, C1121, C1122, C1123, C1124, C1125, C1126, C1127, C1128, C1129, C1130, C2901, C2902, C3009, C3202, C3203, C3204, C3604, C5102, C5300, C5402, C5500, C6064, C6207, C6208, C6209, C6210, C6220, C6221, C6230, C6235, C6236, C6240, C6241, C6242, C6500, C6501, C6502, C6503, C6504, C6508, C6510, C6513, C6850, C6851, C6852, C6853, C6861, C6863, C6870, C6875, C7403, C7404, C7731, C8424, C8425, CN3001, CN3901, CN9000, CP7301, IC0501, IC3402, IC3601, IC3602, IC5100, IC6000, IC6200, IC6500, IC6852, L9000, L9001, L9002, Q5510, Q6832, R1130, R1131, R1136, R5100, R5157, R5300, R5301, R5544, R5805, R6125, R6126, R6128, R6129, R6130, R6662, R6852, R6853, R6855, R6856 and X1000 are not supplied, but they are included in AM-1004 COMPLETE BOARD (SERVICE).) (BT6660 is not included in AM-1004 COMPLETE BOARD (SERVICE).)		
< BATTERY HOLDER >		
$\triangle$ BH6660	1-251-928-21	SOCKET, BATTERY
< BATTERY >		
$\triangle$ BT6660	1-756-134-15	BATTERY, LITHIUM (SECONDARY)
< CAPACITOR >		
C0301	1-118-040-11	CERAMIC CHIP 2.2uF 10% 16V
C0501	(Not supplied)	CERAMIC CHIP 10uF 20% 6.3V
C0502	1-116-737-11	CERAMIC CHIP 1uF 20% 10V
* C0503	1-116-738-11	CERAMIC CHIP 1uF 10% 6.3V
C0505	1-114-354-11	CERAMIC CHIP 0.1uF 10% 16V
C0506	1-116-724-11	CERAMIC CHIP 4.7uF 20% 6.3V
C0507	1-116-724-11	CERAMIC CHIP 4.7uF 20% 6.3V
C1009	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1110	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1111	1-100-252-11	CERAMIC CHIP 0.1uF 10% 6.3V
C1112	1-100-252-11	CERAMIC CHIP 0.1uF 10% 6.3V
C1113	1-100-252-11	CERAMIC CHIP 0.1uF 10% 6.3V
C1114	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1115	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1117	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1119	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1120	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1121	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1122	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1123	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1124	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V
C1125	(Not supplied)	CERAMIC CHIP 0.1uF 10% 10V

Ref. No.	Part No.	Description			
C1126	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C1127	(Not supplied)	CERAMIC CHIP	0.001uF	10%	25V
C1128	(Not supplied)	CERAMIC CHIP	0.001uF	10%	25V
C1129	(Not supplied)	CERAMIC CHIP	0.001uF	10%	25V
C1130	(Not supplied)	CERAMIC CHIP	0.001uF	10%	25V
C2901	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C2902	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C3000	1-118-045-11	CERAMIC CHIP	2.2uF	10%	25V
* C3001	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
* C3008	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C3009	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
* C3012	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
C3202	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C3203	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C3204	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C3401	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
* C3402	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C3403	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C3404	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C3405	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C3406	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
C3407	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
* C3408	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C3409	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C3410	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C3411	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C3412	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
C3413	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C3603	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C3604	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
* C3802	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C3803	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C4212	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
C4214	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C4215	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
* C4217	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
C4218	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C4220	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
C4221	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C4222	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
* C4223	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
C4224	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C4225	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
C4226	1-116-737-11	CERAMIC CHIP	1uF	20%	10V
C4227	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
* C4228	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
C4229	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C4230	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
C4601	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
C4602	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
C4604	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C4605	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C4606	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C4705	1-116-724-11	CERAMIC CHIP	4.7uF	20%	6.3V
C4706	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
C4707	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
C4801	1-100-249-11	CERAMIC CHIP	0.01uF	10%	16V
C4802	1-118-417-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			
C5100	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5101	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C5102	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C5103	1-118-039-11	CERAMIC CHIP	1uF	10%	25V
C5104	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5105	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5106	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
* C5107	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
C5108	1-118-477-11	CERAMIC CHIP	2.2uF	10%	6.3V
C5109	1-118-477-11	CERAMIC CHIP	2.2uF	10%	6.3V
C5110	1-118-040-11	CERAMIC CHIP	2.2uF	10%	16V
C5111	1-118-040-11	CERAMIC CHIP	2.2uF	10%	16V
C5112	1-118-040-11	CERAMIC CHIP	2.2uF	10%	16V
C5114	1-118-040-11	CERAMIC CHIP	2.2uF	10%	16V
C5116	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
* C5117	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C5118	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C5120	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C5150	1-118-417-11	CERAMIC CHIP	0.1uF	10%	16V
C5151	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C5152	1-114-354-11	CERAMIC CHIP	0.1uF	10%	16V
C5153	1-114-354-11	CERAMIC CHIP	0.1uF	10%	16V
C5154	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5155	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5156	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5157	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
C5158	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
C5159	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
C5160	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
C5300	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C5301	1-118-045-11	CERAMIC CHIP	2.2uF	10%	25V
* C5325	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C5326	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
* C5327	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C5328	1-118-041-11	CERAMIC CHIP	4.7uF	10%	10V
C5329	1-118-040-11	CERAMIC CHIP	2.2uF	10%	16V
C5400	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5401	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5402	(Not supplied)	CERAMIC CHIP	0.022uF	10%	10V
C5403	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5406	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5407	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5408	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C5500	(Not supplied)	CERAMIC CHIP	10uF	20%	6.3V
* C5561	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C5562	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C5564	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C5565	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C5800	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C5801	1-118-047-11	CERAMIC CHIP	10uF	10%	16V
△* C5803	1-116-456-11	CERAMIC CHIP	0.047uF	10%	350V
△ C5804	1-100-761-21	CERAMIC CHIP	0.01uF	10%	250V
* C6003	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C6004	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6005	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6008	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6009	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6010	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6041	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V

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Ref. No.	Part No.	Description			
* C6060	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C6061	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C6062	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6063	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C6064	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
* C6065	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C6066	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6067	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6080	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6081	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6084	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6086	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6100	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C6102	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C6103	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6104	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6127	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6128	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6129	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6130	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6131	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6132	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6133	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6134	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C6141	1-116-713-11	CERAMIC CHIP	22uF	20%	10V
* C6142	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C6200	1-116-749-11	CERAMIC CHIP	22uF	20%	6.3V
C6201	1-116-749-11	CERAMIC CHIP	22uF	20%	6.3V
C6202	1-116-749-11	CERAMIC CHIP	22uF	20%	6.3V
* C6203	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6204	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6205	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6206	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C6207	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6208	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6209	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6210	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6220	(Not supplied)	CERAMIC CHIP	10uF	20%	6.3V
C6221	(Not supplied)	CERAMIC CHIP	10uF	20%	6.3V
* C6222	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6223	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6224	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6225	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6227	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6228	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6229	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C6230	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6235	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6236	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6240	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6241	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6242	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
* C6243	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6244	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6245	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C6500	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C6501	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C6502	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			
C6503	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C6504	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C6508	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C6510	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C6511	1-100-249-11	CERAMIC CHIP	0.01uF	10%	16V
C6513	(Not supplied)	CERAMIC CHIP	0.1uF	10%	10V
C6520	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C6521	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C6660	1-112-197-91	CERAMIC CHIP	10pF	0.5pF	50V
C6661	1-128-605-11	CERAMIC CHIP	12pF	5%	25V
* C6662	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6663	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6664	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6665	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6666	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C6800	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C6801	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C6850	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C6851	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C6852	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C6853	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C6854	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C6855	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C6856	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C6857	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
C6858	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
* C6859	1-118-390-11	CERAMIC CHIP	0.015uF	10%	25V
C6860	1-118-459-11	CERAMIC CHIP	0.01uF	10%	25V
C6861	(Not supplied)	CERAMIC CHIP	0.022uF	10%	10V
C6862	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6863	(Not supplied)	CERAMIC CHIP	0.022uF	10%	10V
* C6865	1-118-390-11	CERAMIC CHIP	0.015uF	10%	25V
C6866	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C6867	1-118-047-11	CERAMIC CHIP	10uF	10%	16V
C6869	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C6870	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C6871	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C6872	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C6873	1-116-717-11	CERAMIC CHIP	10uF	20%	10V
C6875	(Not supplied)	CERAMIC CHIP	0.22uF	10%	6.3V
C6876	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6877	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6878	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6879	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6880	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6881	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6882	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6883	1-118-389-11	CERAMIC CHIP	0.022uF	10%	25V
C6885	1-118-480-11	CERAMIC CHIP	4.7uF	10%	6.3V
* C6886	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
* C6887	1-116-720-11	CERAMIC CHIP	10uF	20%	6.3V
C6888	1-118-480-11	CERAMIC CHIP	4.7uF	10%	6.3V
* C7100	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C7101	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C7301	1-118-477-11	CERAMIC CHIP	2.2uF	10%	6.3V
C7302	1-118-477-11	CERAMIC CHIP	2.2uF	10%	6.3V
C7303	1-118-477-11	CERAMIC CHIP	2.2uF	10%	6.3V
C7304	1-118-477-11	CERAMIC CHIP	2.2uF	10%	6.3V

Ref. No.	Part No.	Description			
C7305	1-118-477-11	CERAMIC CHIP	2.2uF	10%	6.3V
* C7401	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C7403	(Not supplied)	CERAMIC CHIP	47pF	1%	50V
C7404	(Not supplied)	CERAMIC CHIP	47pF	1%	50V
C7731	(Not supplied)	CERAMIC CHIP	4.7uF	20%	6.3V
* C7732	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C7733	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
* C8060	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
* C8061	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
* C8062	1-118-035-11	CERAMIC CHIP	0.1uF	10%	25V
C8063	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C8064	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
C8065	1-118-386-11	CERAMIC CHIP	0.1uF	10%	16V
* C8420	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C8421	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
* C8423	1-116-738-11	CERAMIC CHIP	1uF	10%	6.3V
C8424	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
C8425	(Not supplied)	CERAMIC CHIP	0.01uF	10%	16V
* C8426	1-118-458-11	CERAMIC CHIP	0.1uF	10%	6.3V
C8427	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
C8428	1-118-026-11	CERAMIC CHIP	470pF	10%	25V
C8800	1-118-462-11	CERAMIC CHIP	1uF	10%	10V
< CONNECTOR >					
CN0001	1-580-056-21	PIN, CONNECTOR (SMD) 3P			
CN0002	1-580-056-21	PIN, CONNECTOR (SMD) 3P			
CN0701	1-822-769-21	CONNECTOR, FPC (ZIF) 27P			
* CN0702	1-821-501-11	CONNECTOR, FPC (ZIF) 51P			
* CN0801	1-821-666-21	PIN, CONNECTOR			
* CN0802	1-821-666-11	PIN, CONNECTOR			
CN3001	(Not supplied)	CONNECTOR, FPC (ZIF) 33P			
CN3901	(Not supplied)	SOCKET, USB CONNECTOR			
* CN4001	1-816-644-51	FFC/CONNECTOR, FPC (LIF) 12P			
* CN4201	1-816-650-51	FFC/CONNECTOR, FPC (LIF) 24P			
CN4401	1-816-646-61	FFC/FPC CONNECTOR (LIF) 16P			
* CN4501	1-816-649-51	FFC/CONNECTOR, FPC (LIF) 22P			
* CN4601	1-816-647-61	FFC/CONNECTOR, FPC (LIF) 18P			
* CN4701	1-822-768-21	CONNECTOR, FPC (ZIF) 25P			
CN4702	1-816-645-61	FFC/FPC CONNECTOR (LIF) 14P			
* CN4703	1-842-269-11	CONNECTOR, FPC (ZIF) 23P			
CN4704	1-817-554-62	CONNECTOR, FFC/FPC 6P			
CN4704	1-816-654-61	FFC/FPC CONNECTOR (LIF) 6P			
CN4705	1-816-654-61	FFC/FPC CONNECTOR (LIF) 6P			
* CN4707	1-818-087-51	FFC/CONNECTOR, FPC (LIF) 26P			
CN4801	1-816-648-61	FFC/CONNECTOR, FPC (LIF) 20P			
* CN4802	1-816-650-51	FFC/CONNECTOR, FPC (LIF) 24P			
* CN4803	1-816-644-51	FFC/CONNECTOR, FPC (LIF) 12P			
* CN4804	1-820-332-11	HOUSING, CONNECTOR 2P			
CN7100	1-843-088-23	CARD CONNECTOR			
* CN8060	1-842-176-51	CONNECTOR, FPC (ZIF) 61P			
CN9000	(Not supplied)	CONNECTOR, HDMI (TYPE-D)			
< COMPOSITION CIRCUIT BLOCK >					
CP7301	(Not supplied)	WLAN MODULE			
< DIODE >					
D0005	6-502-934-01	DIODE DB2S31100K8			
D1100	6-503-126-01	DIODE DA2S10100K8			

Ref. No.	Part No.	Description
D1101	6-503-126-01	DIODE DA2S10100K8
D3811	6-503-126-01	DIODE DA2S10100K8
D3812	6-503-126-01	DIODE DA2S10100K8
D4701	6-503-126-01	DIODE DA2S10100K8
* D4704	6-502-988-01	DIODE RB480Y-40T2R
* D4801	6-502-988-01	DIODE RB480Y-40T2R
* D4802	6-502-988-01	DIODE RB480Y-40T2R
* D4803	6-502-988-01	DIODE RB480Y-40T2R
D4808	6-502-193-01	DIODE SML-D12V8WT86SN
* D4811	6-600-647-01	BCR08AS-12A-B11H
D5320	6-503-737-01	DIODE CES520
D5321	6-503-737-01	DIODE CES520
△* D5800	6-503-901-01	DIODE DA2JF6500L
△ D5801	6-501-119-01	DIODE RR264M-400
△* D5802	6-503-001-01	DIODE RR255M-400FJTR
* D6503	6-502-988-01	DIODE RB480Y-40T2R
D6660	6-500-854-01	DIODE 1SS413 (TPL3)
D6661	6-502-934-01	DIODE DB2S31100K8
* D6700	6-502-988-01	DIODE RB480Y-40T2R
D6701	8-719-084-17	DIODE EMZ6.8EFJT2R
* D6703	6-503-587-01	DIODE EDZVT2R6.8B
D6830	6-503-031-01	DIODE DZ2J18000L
D6831	6-502-975-01	DIODE DZ2J15000L
D8800	6-503-126-01	DIODE DA2S10100K8
* D9000	6-502-988-01	DIODE RB480Y-40T2R
< FUSE >		
△ F0001	1-576-874-41	FUSE (2.5A/32V)
△* F0002	1-576-407-41	FUSE (1.4A/36V)
△ F0003	1-576-874-41	FUSE (2.5A/32V)
△* F0004	1-576-407-41	FUSE (1.4A/36V)
△ F0005	1-576-874-41	FUSE (2.5A/32V)
△ F0006	1-576-874-41	FUSE (2.5A/32V)
△ F0007	1-576-596-41	FUSE (1A/36V)
< FERRITE BEAD >		
FB6060	1-469-580-21	INDUCTOR, FERRITE BEAD (1005)
FB6080	1-400-354-11	INDUCTOR, FERRITE BEAD (1005)
FB6081	1-400-723-11	INDUCTOR, FERRITE BEAD (1005)
FB6082	1-400-354-11	INDUCTOR, FERRITE BEAD (1005)
FB6083	1-400-354-11	INDUCTOR, FERRITE BEAD (1005)
FB6084	1-400-354-11	INDUCTOR, FERRITE BEAD (1005)
FB6085	1-400-354-11	INDUCTOR, FERRITE BEAD (1005)
FB6240	1-481-912-21	EMI FERRITE (SMD) (1005)
FB6241	1-481-912-21	EMI FERRITE (SMD) (1005)
< IC >		
IC0501	(Not supplied)	IC BD2224G-BZTR
IC0502	6-717-768-01	IC R1163N501B-TR-FE
* IC0503	6-713-979-01	IC S-1200B30-I6T2G
* IC0504	6-719-398-01	IC MM3416A10RRE
IC3401	6-716-783-01	IC BD11600NXX-E2
IC3402	(Not supplied)	IC MM3416A31URE
IC3601	(Not supplied)	IC MM3416A33URE
IC3602	(Not supplied)	IC TCK107G
* IC4203	6-715-286-01	IC AN41400A-PB
* IC4204	6-715-286-01	IC AN41400A-PB
* IC4205	6-715-286-01	IC AN41400A-PB

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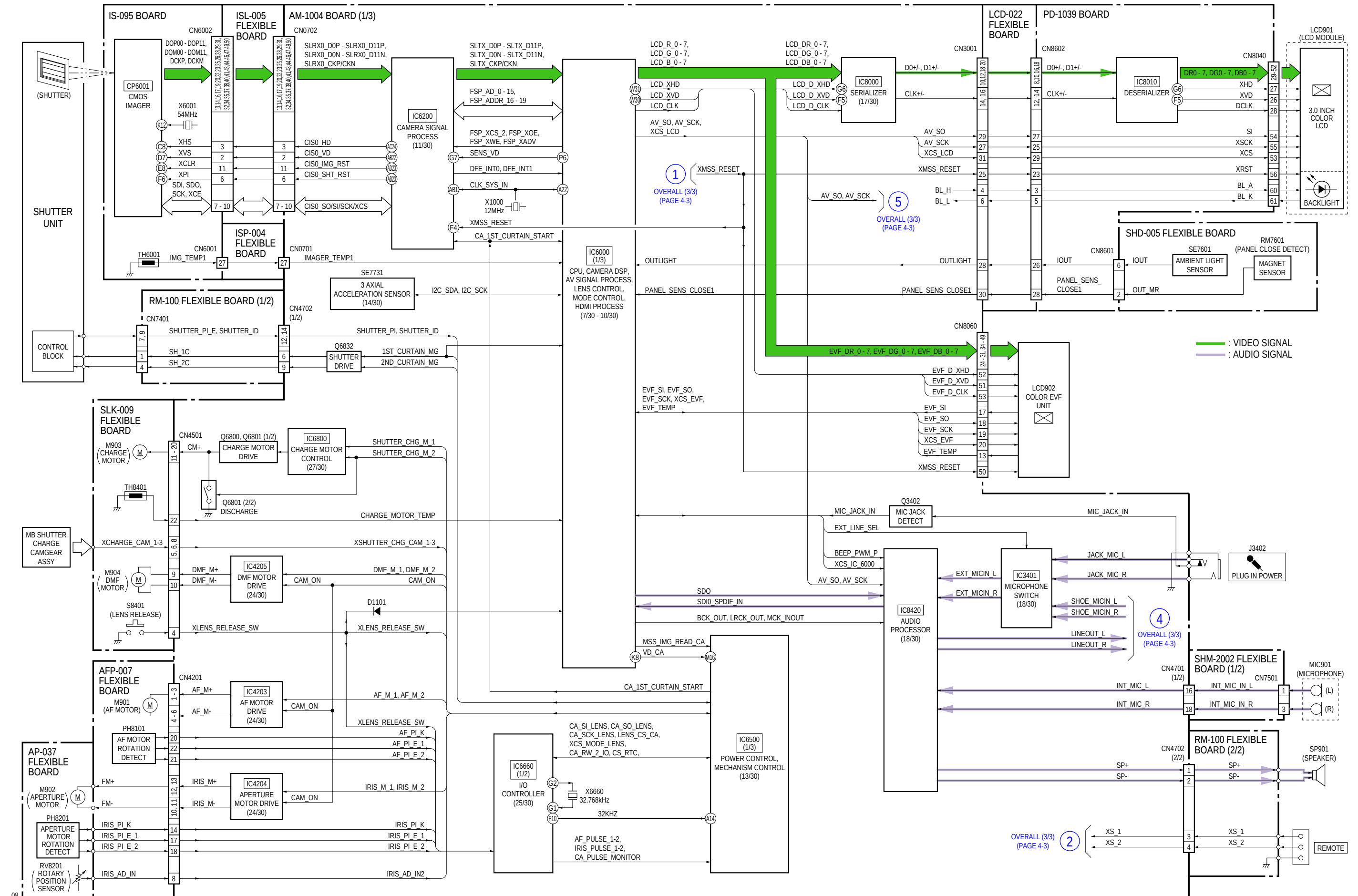
Ref. No.	Part No.	Description
* IC4601	6-709-032-01	IC R1154N120B-TR-FE
IC4701	6-716-993-01	IC MM1836A33NRE
IC5100	(Not supplied)	IC BD8336GU-E2
IC5150	6-717-448-01	IC AN30235A-PL
IC5300	6-718-155-01	IC R1207N823B-TR-FE
* IC5321	6-720-977-01	IC TPS61093DSKR
IC5400	6-717-276-01	IC MM3416A45URE
IC5401	6-717-276-01	IC MM3416A45URE
IC5402	6-717-276-01	IC MM3416A45URE
IC5500	6-717-848-01	IC NCP380HSNAJAAT1G
* IC5560	6-716-958-01	IC uPD79F0107FC-404-2N1-E2-A
* IC5561	6-716-958-01	IC uPD79F0107FC-404-2N1-E2-A
IC5800	6-716-806-01	IC R2J20071DNS
IC5801	6-710-250-01	IC TC7SG08FU
IC5802	6-708-327-01	IC TC7WH240FK
IC6000	(Not supplied)	IC MHZ4G8G11A
IC6200	(Not supplied)	IC CXD90027GF
IC6500	(Not supplied)	IC 19A44FDAXBG7PB1 (EL
IC6501	6-715-620-01	IC PST8240UL
IC6502	6-713-490-01	IC PST8227UL
* IC6660	6-714-058-01	IC BU7050GUW-E2
IC6800	6-706-491-01	IC TC7SH86FU
* IC6850	6-714-059-01	IC uPD168165K9-9E5-E1-AT
IC6852	(Not supplied)	IC MM3416A31URE
* IC7401	6-715-114-01	IC CXD9950AK
* IC8000	6-719-663-01	IC BU79T272-E2
IC8420	6-718-156-01	IC BU76312GUW-E2
J3402	1-793-703-21	JACK (DIA. 3.5)
J7381	1-820-196-11	CONNECTOR, COAXIAL (SMT TYPE)
< COIL >		
L0101	1-460-355-11	INDUCTOR 4.7uH
L0102	1-460-356-11	INDUCTOR 4.7uH
L0103	1-460-356-11	INDUCTOR 4.7uH
L0104	1-460-356-11	INDUCTOR 4.7uH
L0301	1-460-369-11	INDUCTOR 33uH
L5150	1-460-355-11	INDUCTOR 4.7uH
L5151	1-460-355-11	INDUCTOR 4.7uH
L5320	1-460-578-21	INDUCTOR 10uH
* L6220	1-400-411-21	INDUCTOR 4.7uH
* L6221	1-400-411-21	INDUCTOR 4.7uH
L9000	(Not supplied)	COMMON MODE CHOKE COIL15(0806)
L9001	(Not supplied)	COMMON MODE CHOKE COIL15(0806)
L9002	(Not supplied)	COMMON MODE CHOKE COIL15(0806)
* L9003	1-457-648-21	INDUCTOR 0uH
< TRANSISTOR >		
Q0001	6-552-842-01	TRANSISTOR QS8J2FU7TR
Q0002	6-552-621-01	TRANSISTOR SSM3K37MFV, L3SOF
Q1050	6-551-631-01	TRANSISTOR RN1104MFV (TL3S
Q2901	8-729-053-57	TRANSISTOR RN1902FE
* Q3402	6-552-700-01	TRANSISTOR SSM3K15AMFV, L3SF
Q4601	6-551-631-01	TRANSISTOR RN1104MFV (TL3S
Q4602	6-550-791-01	TRANSISTOR SSM3J15FV (TL3S
Q4603	6-551-631-01	TRANSISTOR RN1104MFV (TL3S
Q4604	6-550-791-01	TRANSISTOR SSM3J15FV (TL3S
Q4701	6-552-621-01	TRANSISTOR SSM3K37MFV, L3SOF

Ref. No.	Part No.	Description
Q4703	6-551-630-01	TRANSISTOR RN1102MFV (TL3S
* Q4801	6-551-624-01	TRANSISTOR RN2102MFV (TL3S
Q4802	8-729-055-01	TRANSISTOR RN4984FE
Q5322	8-729-053-52	TRANSISTOR HN1C01FE
* Q5323	6-551-623-01	TRANSISTOR 2SA2154MFV (TL3S
Q5400	6-551-631-01	TRANSISTOR RN1104MFV (TL3S
Q5401	6-552-845-01	TRANSISTOR SSM3K121TU, LSOYF
Q5402	6-552-830-01	TRANSISTOR SSM6N15AFE
Q5510	(Not supplied)	TRANSISTOR RN1101, LSONYF
Q5511	6-552-874-01	TRANSISTOR RW1C025ZPT2CR
* Q5520	6-552-213-01	TRANSISTOR RW1A020ZPFU7
Q5521	6-551-631-01	TRANSISTOR RN1104MFV (TL3S
Q5541	8-729-055-01	TRANSISTOR RN4984FE
△ Q5800	6-553-018-01	TRANSISTOR RJP4009ANS
Q6500	6-551-631-01	TRANSISTOR RN1104MFV (TL3S
Q6700	6-552-842-01	TRANSISTOR QS8J2FU7TR
Q6701	6-551-630-01	TRANSISTOR RN1102MFV (TL3S
Q6702	8-729-053-52	TRANSISTOR HN1C01FE
Q6703	6-552-842-01	TRANSISTOR QS8J2FU7TR
Q6800	6-551-630-01	TRANSISTOR RN1102MFV (TL3S
Q6801	6-552-883-01	TRANSISTOR US6M2GTR
Q6830	6-551-630-01	TRANSISTOR RN1102MFV (TL3S
Q6832	(Not supplied)	TRANSISTOR MTM765200LBF
Q8800	6-551-631-01	TRANSISTOR RN1104MFV (TL3S
Q8801	6-552-874-01	TRANSISTOR RW1C025ZPT2CR
Q9000	6-551-202-01	TRANSISTOR LM6K1FS8T2R
* Q9001	6-552-700-01	TRANSISTOR SSM3K15AMFV, L3SF
Q9002	8-729-055-01	TRANSISTOR RN4984FE
Q9301	6-551-663-01	TRANSISTOR MTM684110LS0
* Q9302	6-552-700-01	TRANSISTOR SSM3K15AMFV, L3SF
Q9304	8-729-053-58	TRANSISTOR RN1904FE
< RESISTOR >		
R0502	1-218-953-11	METAL CHIP 1K 5% 1/16W
R1003	1-694-535-91	SHORT CHIP 0
R1060	1-240-707-91	METAL CHIP 10K 5% 1/20W
R1061	1-240-708-91	METAL CHIP 12K 5% 1/20W
R1126	1-218-945-11	METAL CHIP 220 5% 1/16W
R1130	(Not supplied)	METAL CHIP 4.7K 1% 1/20W
R1131	(Not supplied)	METAL CHIP 4.7K 1% 1/20W
R1136	(Not supplied)	METAL CHIP 100K 1% 1/20W
R1146	1-218-989-11	METAL CHIP 1M 5% 1/16W
R1147	1-218-989-11	METAL CHIP 1M 5% 1/16W
R1149	1-218-977-11	METAL CHIP 100K 5% 1/16W
R1150	1-240-718-91	METAL CHIP 100K 5% 1/20W
R1202	1-218-990-81	SHORT CHIP 0
R2311	1-218-947-11	METAL CHIP 330 5% 1/16W
R2902	1-240-701-91	METAL CHIP 3.3K 5% 1/20W
R3401	1-218-945-11	METAL CHIP 220 5% 1/16W
R3404	1-218-963-11	METAL CHIP 6.8K 5% 1/16W
R3405	1-218-963-11	METAL CHIP 6.8K 5% 1/16W
R3406	1-218-985-11	METAL CHIP 470K 5% 1/16W
R3407	1-218-985-11	METAL CHIP 470K 5% 1/16W
R3408	1-218-953-11	METAL CHIP 1K 5% 1/16W
R3419	1-240-713-91	METAL CHIP 33K 5% 1/20W
R3420	1-250-495-11	METAL CHIP 1K 1% 1/16W
R3421	1-250-495-11	METAL CHIP 1K 1% 1/16W
R3425	1-218-953-11	METAL CHIP 1K 5% 1/16W

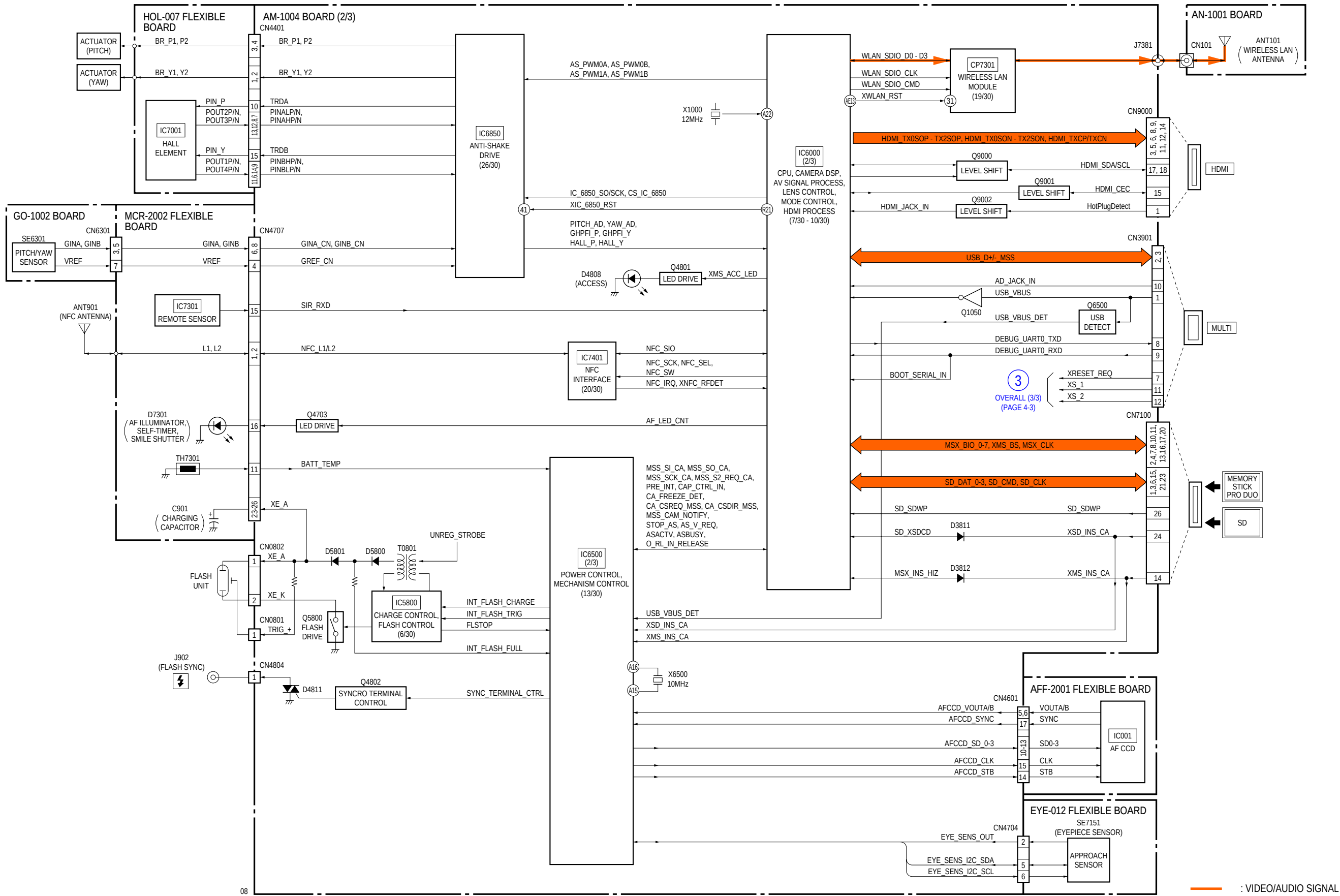
Ref. No.	Part No.	Description			
R3426	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3803	1-218-937-11	METAL CHIP	47	5%	1/16W
R4405	1-218-602-11	METAL CHIP	1	5%	1W
R4406	1-218-602-11	METAL CHIP	1	5%	1W
R4607	1-218-977-11	METAL CHIP	100K	5%	1/16W
R4608	1-218-977-11	METAL CHIP	100K	5%	1/16W
R4611	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R4702	1-218-977-11	METAL CHIP	100K	5%	1/16W
R4716	1-216-797-11	METAL CHIP	10	5%	1/10W
R4804	1-218-940-11	METAL CHIP	82	5%	1/16W
R4805	1-218-929-11	METAL CHIP	10	5%	1/16W
R4806	1-218-953-11	METAL CHIP	1K	5%	1/16W
R5100	(Not supplied)	METAL CHIP	47K	1%	1/20W
R5153	1-250-525-11	METAL CHIP	18K	1%	1/16W
* R5154	1-250-506-11	METAL CHIP	3K	1%	1/16W
R5156	1-250-531-11	METAL CHIP	33K	1%	1/16W
R5157	(Not supplied)	METAL CHIP	7.5K	1%	1/16W
R5300	(Not supplied)	METAL CHIP	13	1%	1/16W
R5301	(Not supplied)	METAL CHIP	13	1%	1/16W
R5325	1-218-954-11	METAL CHIP	1.2K	5%	1/16W
R5327	1-250-519-11	METAL CHIP	10K	1%	1/16W
* R5328	1-250-528-11	METAL CHIP	24K	1%	1/16W
R5329	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5331	1-240-707-91	METAL CHIP	10K	5%	1/20W
R5334	1-218-981-81	METAL CHIP	220K	5%	1/16W
R5336	1-250-553-11	METAL CHIP	270K	1%	1/16W
R5337	1-250-519-11	METAL CHIP	10K	1%	1/16W
R5400	1-218-953-11	METAL CHIP	1K	5%	1/16W
R5401	1-218-937-11	METAL CHIP	47	5%	1/16W
R5409	1-216-295-91	SHORT CHIP	0		
R5410	1-216-295-91	SHORT CHIP	0		
R5500	1-240-711-91	METAL CHIP	22K	5%	1/20W
R5501	1-218-953-11	METAL CHIP	1K	5%	1/16W
R5510	1-240-718-91	METAL CHIP	100K	5%	1/20W
R5512	1-218-953-11	METAL CHIP	1K	5%	1/16W
R5520	1-240-722-91	METAL CHIP	220K	5%	1/20W
* R5543	1-257-267-11	METAL CHIP	18K	1%	1/20W
R5544	(Not supplied)	METAL CHIP	10K	1%	1/20W
R5800	1-218-941-81	METAL CHIP	100	5%	1/16W
R5801	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R5802	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R5803	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R5804	1-208-895-81	METAL CHIP	2.2K	0.5%	1/16W
R5805	(Not supplied)	METAL CHIP	240	0.5%	1/16W
* R5806	1-246-338-21	METAL CHIP	3M	1%	1/8W
R5807	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R5808	1-208-859-81	METAL CHIP	68	0.5%	1/16W
△ R5809	1-216-238-91	METAL CHIP	47K	5%	1/8W
△ R5810	1-216-238-91	METAL CHIP	47K	5%	1/8W
R5811	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
R6000	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6001	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6040	1-240-695-91	METAL CHIP	1K	5%	1/20W
* R6060	1-250-507-11	METAL CHIP	3.3K	1%	1/16W
R6061	1-250-521-11	METAL CHIP	12K	1%	1/16W
* R6062	1-250-507-11	METAL CHIP	3.3K	1%	1/16W
R6083	1-240-676-91	METAL CHIP	22	5%	1/20W
R6084	1-240-683-91	METAL CHIP	100	5%	1/20W
R6085	1-240-678-91	METAL CHIP	33	5%	1/20W

4. BLOCK DIAGRAMS

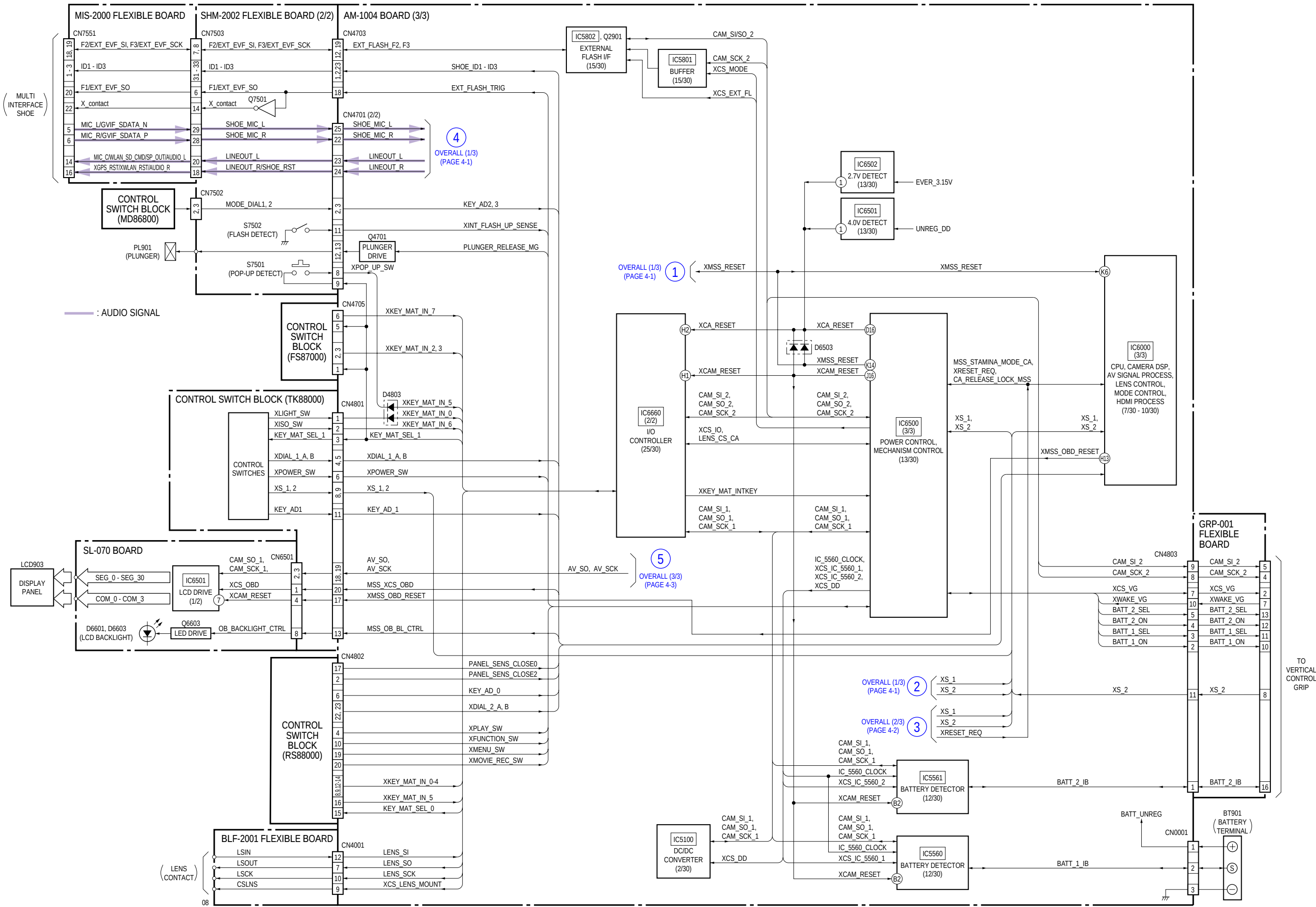
4-1. OVERALL BLOCK DIAGRAM (1/3) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



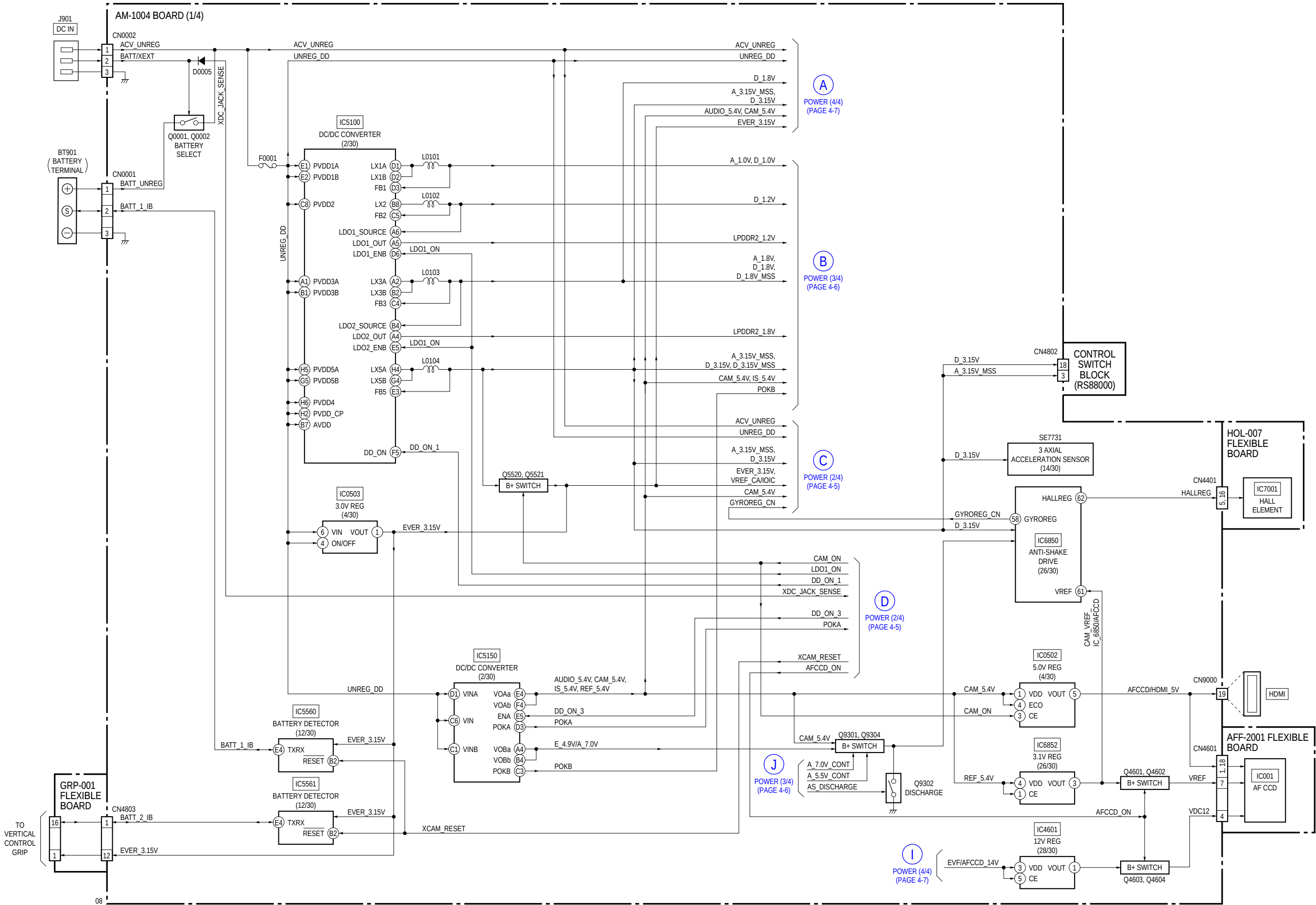
4-2. OVERALL BLOCK DIAGRAM (2/3) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



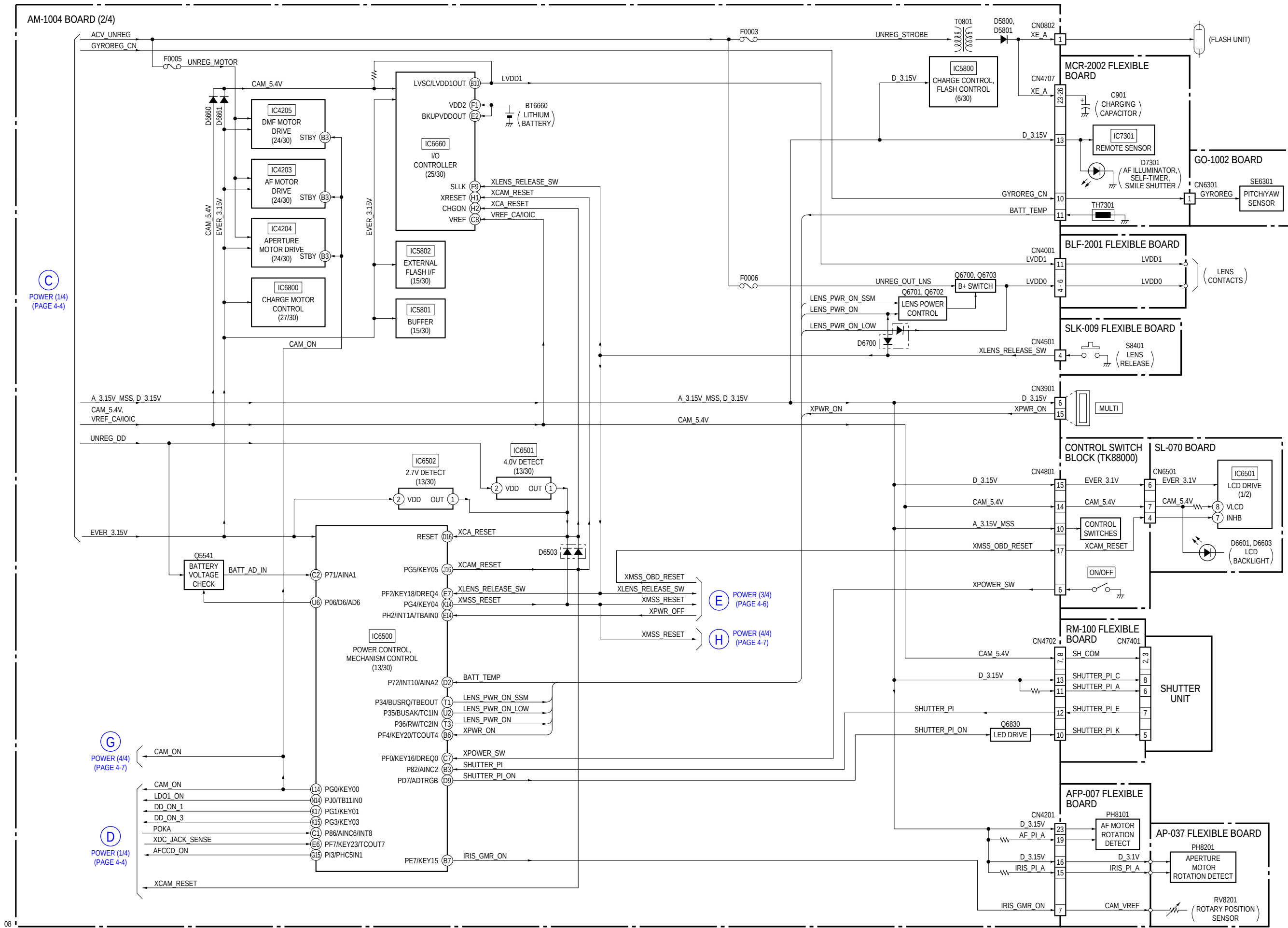
4-3. OVERALL BLOCK DIAGRAM (3/3) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



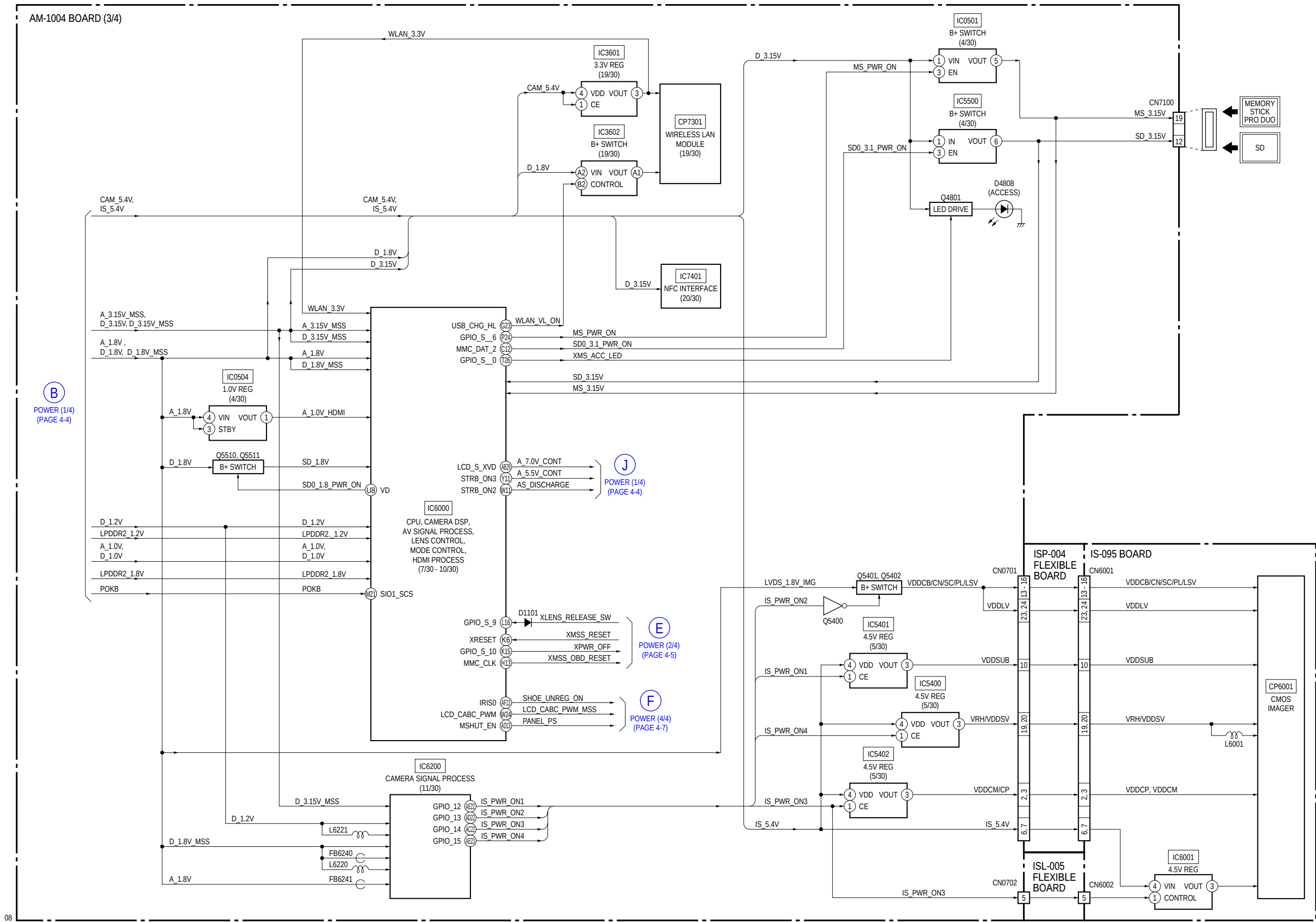
4-4. POWER BLOCK DIAGRAM (1/4) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



4-5. POWER BLOCK DIAGRAM (2/4) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



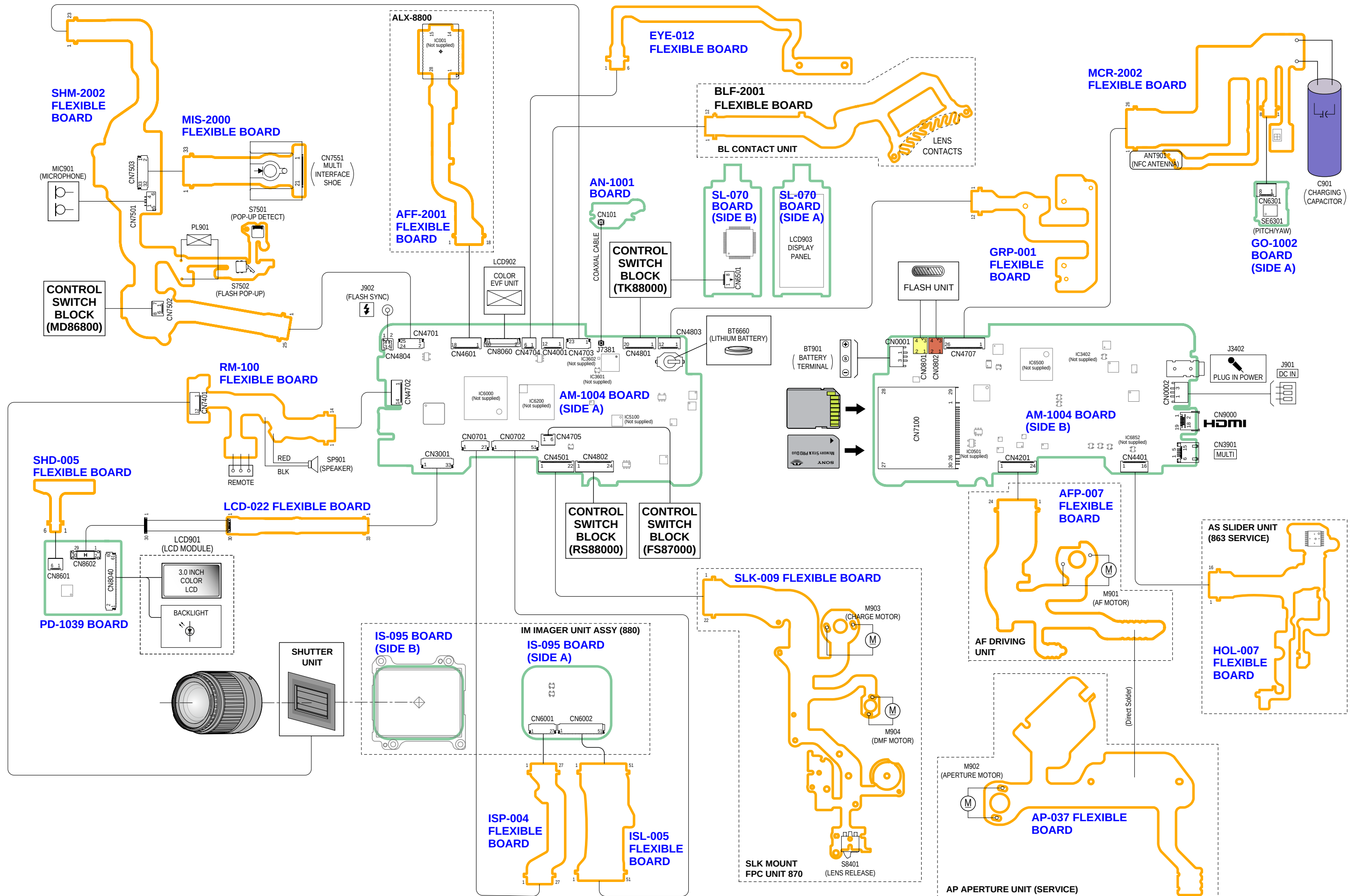
4-6. POWER BLOCK DIAGRAM (3/4) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



4-7. POWER BLOCK DIAGRAM (4/4) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



5. FRAME SCHEMATIC DIAGRAMS



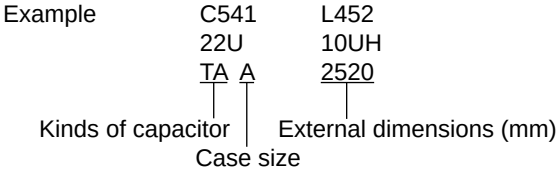
6. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

– ENGLISH –

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

For Schematic Diagrams

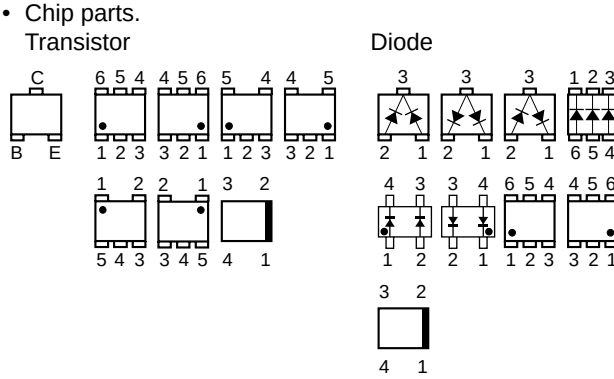
- All capacitors are in μF unless otherwise noted. pF : μF . 50 V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10 W unless otherwise noted. $\text{k}\Omega=1000\ \Omega$, $\text{M}\Omega=1000\ \text{k}\Omega$.
- Caution when replacing chip parts.
New parts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



- 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.

For Printed Wiring Boards

- : Uses unleaded solder.
- : Circuit board
- : Flexible board
- : 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



- 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 Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

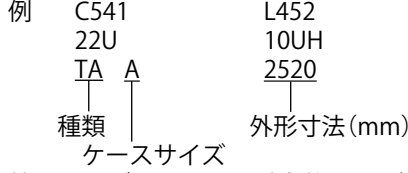
Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

– JAPANESE –

回路図, プリント図共通ノート
(他に必要なノートは各セクションに記載しています)

回路図ノート

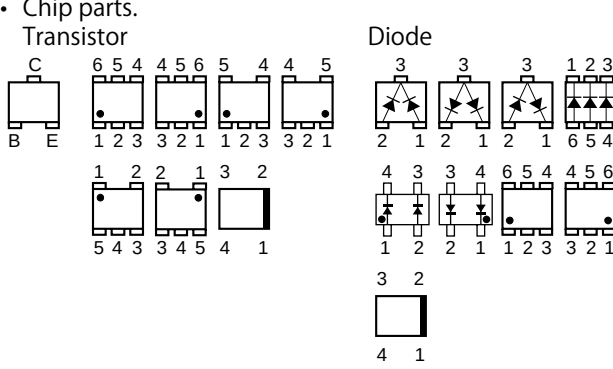
- ケミコン, タンタルを除くコンデンサで, 耐圧50V以下のものはその耐圧を省略。単位はすべて μF (pはpF)。
- チップ抵抗で指示のないものは, 1/10W以下。
 $\text{k}\Omega=1000\ \Omega$, $\text{M}\Omega=1000\ \text{k}\Omega$
- チップ部品交換時の注意
取り外した部品は再使用せず, 未使用の部品をご使用ください。
タンタルコンデンサのマイナス側は熱に弱いため注意してください。
- チップ部品には下記のように表示したものがあります。



- 抵抗, コンデンサ, ICなど定数にXXがあるものは, 使用していない事を示しています。このため, 使用していない回路が記載されている事があります。
- ★印のある部品は, 機種などにより異なりますので機能別マウント一覧表を参照してください。
- 可変抵抗と半固定抵抗で, B特性の表示を省略。
- 信号名表記について, 下記のような場合があります。
XEDIT → EDIT PB/XREC → PB/REC
- は不燃性抵抗。
- はヒューズ抵抗。
- はパネル表示名称。
- はB+ライン。
- はB-ライン。
- はBライン(+, -)の入出力方向を示す。
- は調整名称。

プリント図ノート

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

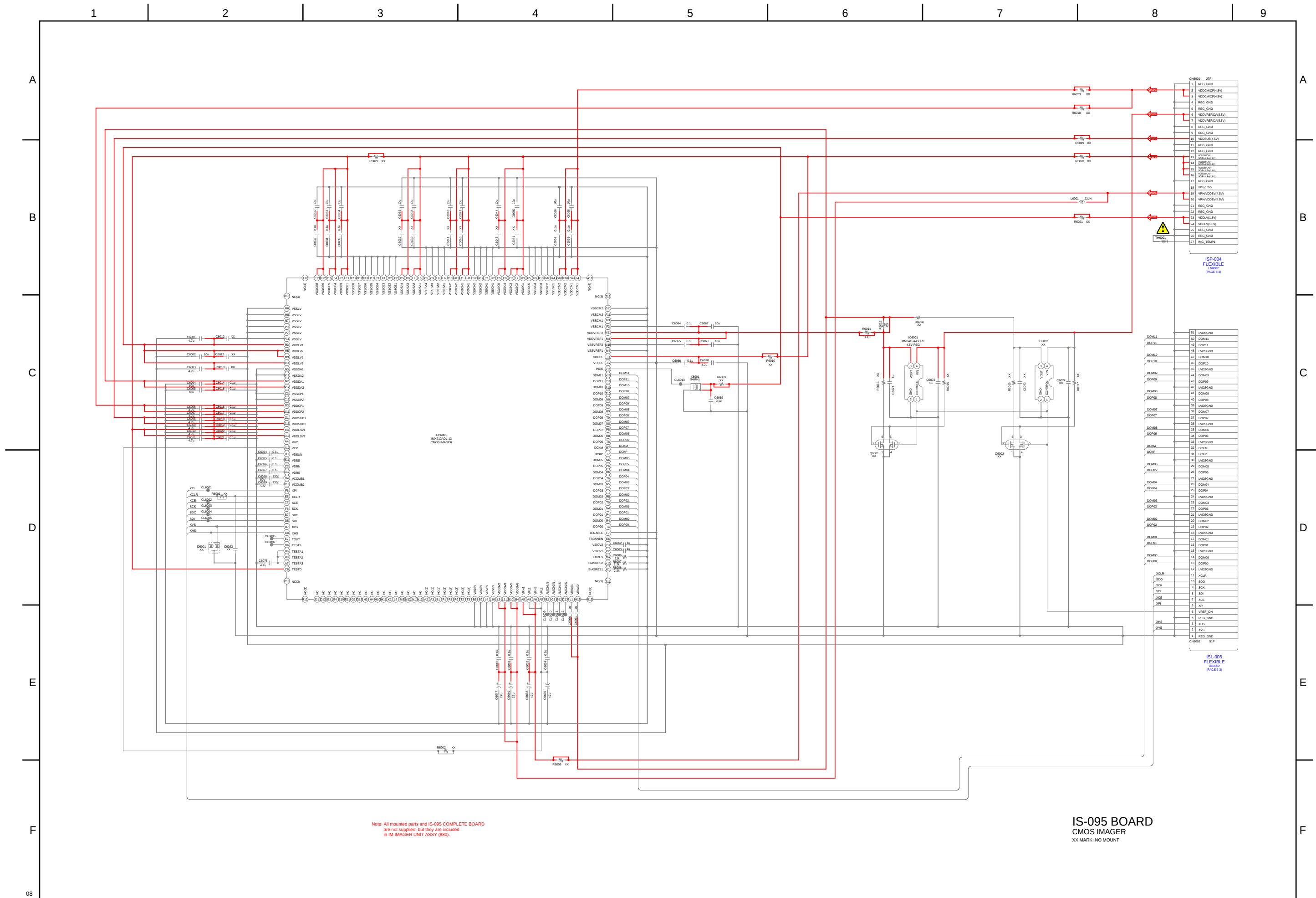


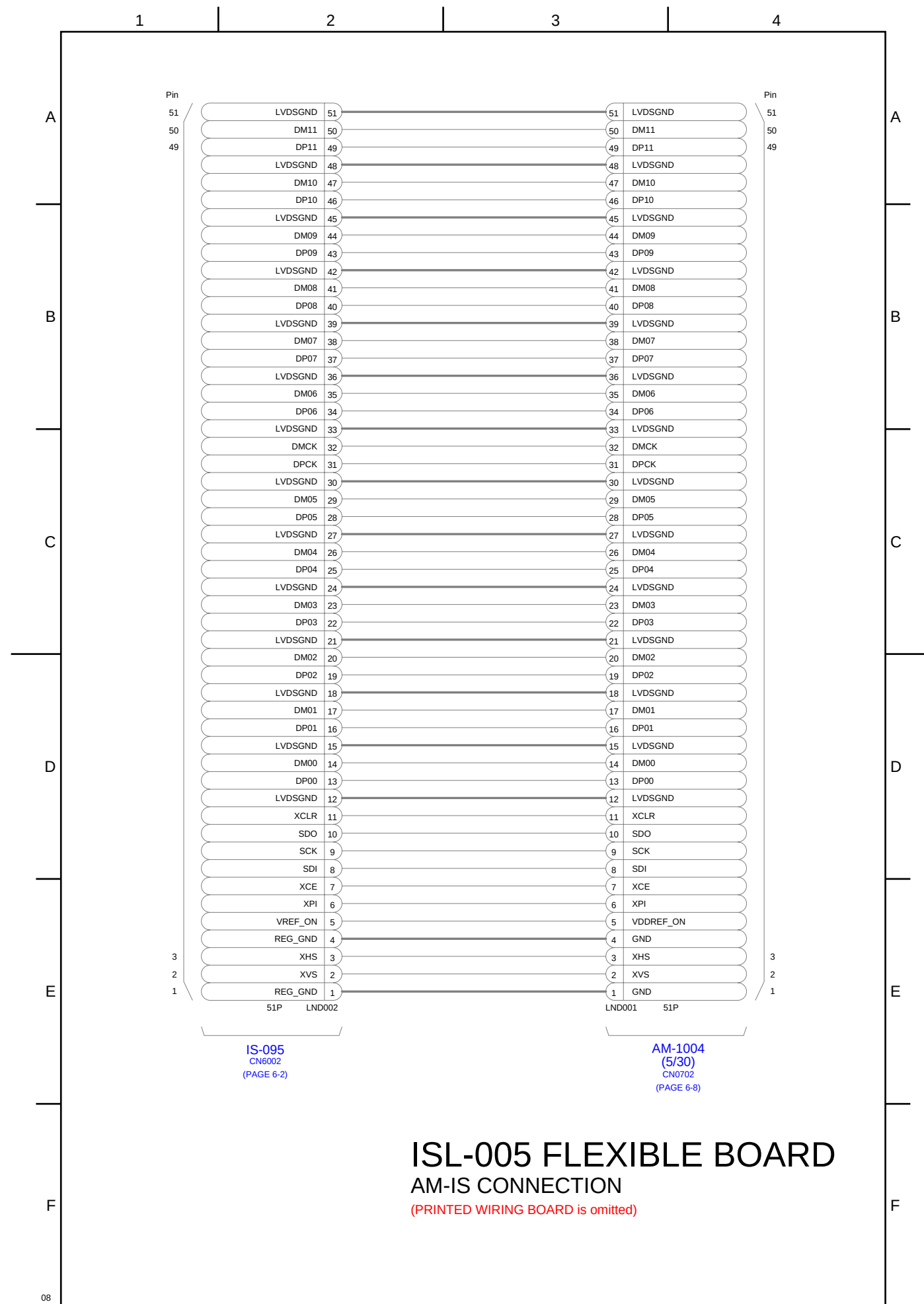
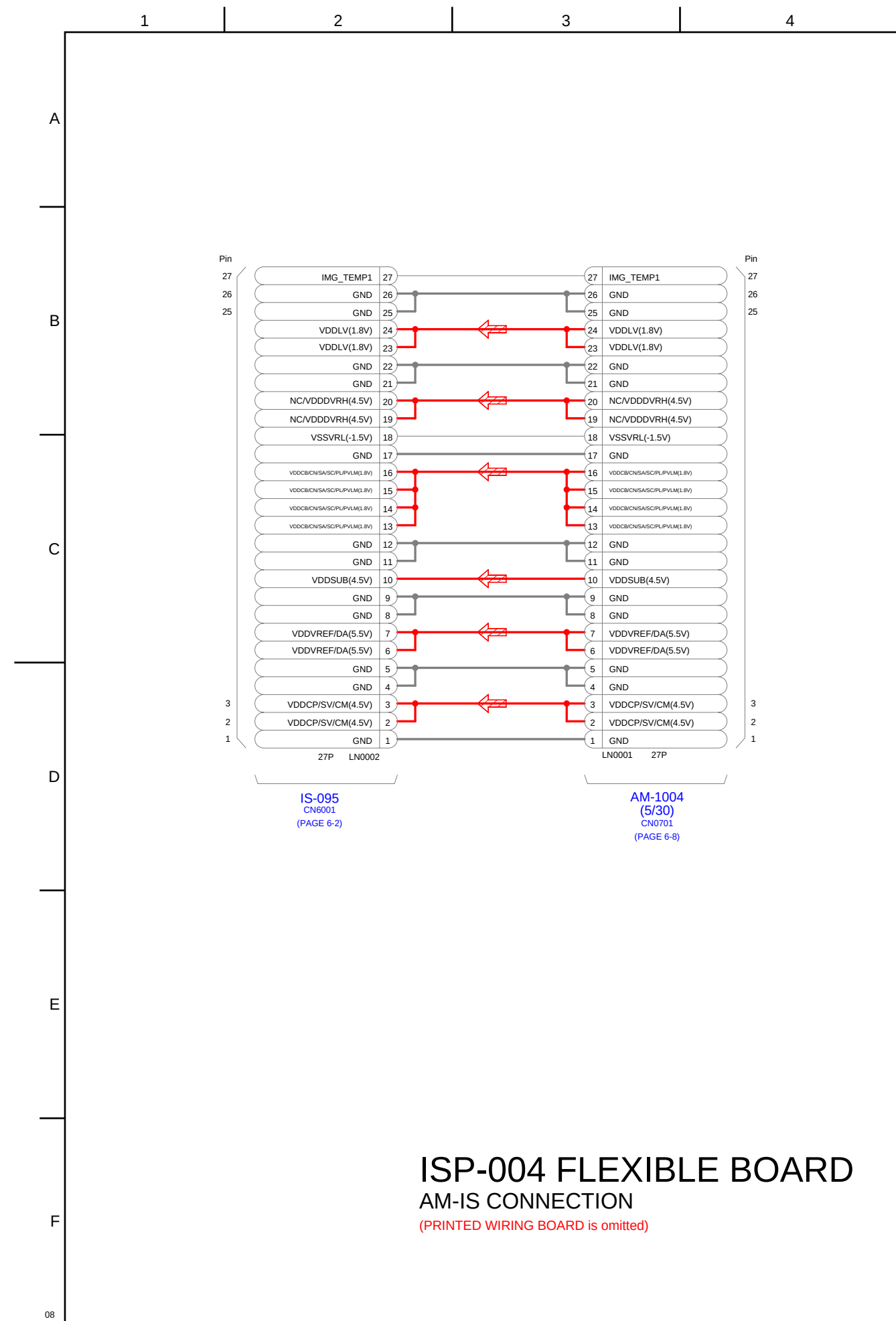
- イメージ交換時の注意**
- イメージャを交換した場合は, カメラ部の全調整を行ってください。
 - イメージャは構造上, 静電気により破壊される恐れがあるため, MOS ICと同様に注意して取り扱ってください。
また, 受光部にはゴミの付着, および強い光はいることのないように注意してください。

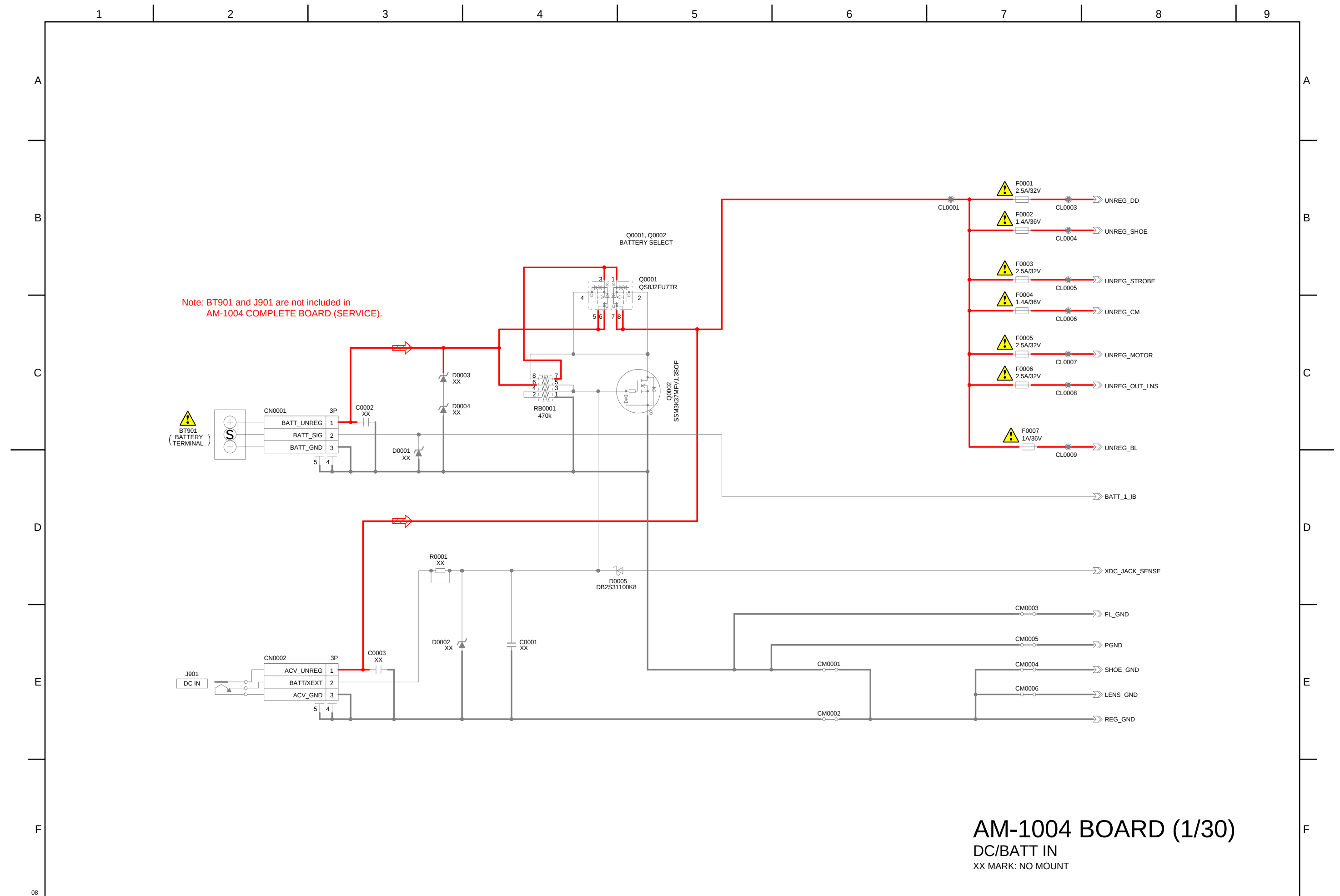
— お願い —
図面番号で部品を指定するときは基板名又はブロックを併せて指定してください。

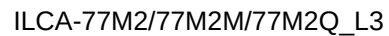
Δ 印の部品, または Δ 印付の点線で囲まれた部品は, 安全性を維持するために, 重要な部品です。
従って交換時は, 必ず指定の部品を使用してください。

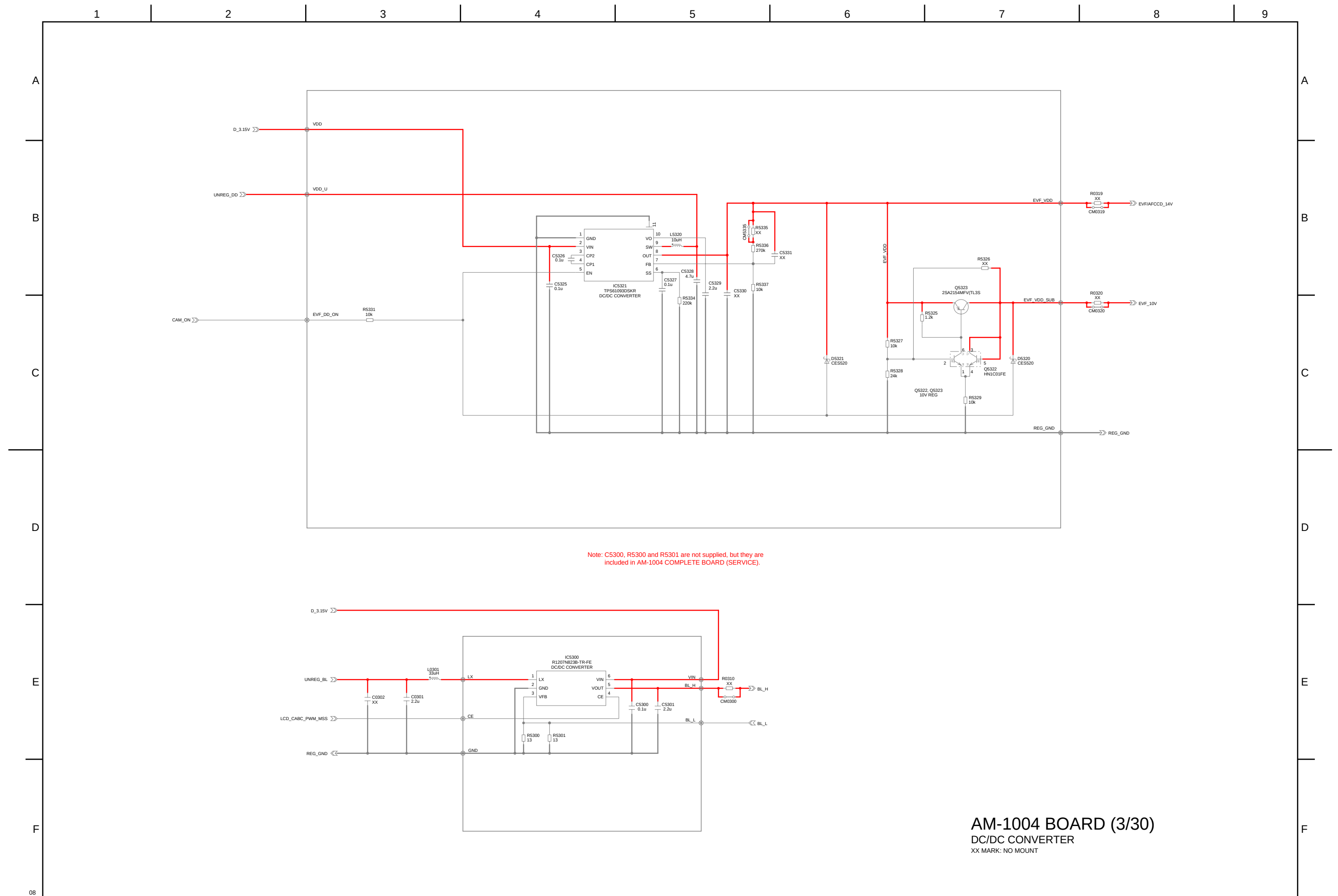
6-1. SCHEMATIC DIAGRAMS

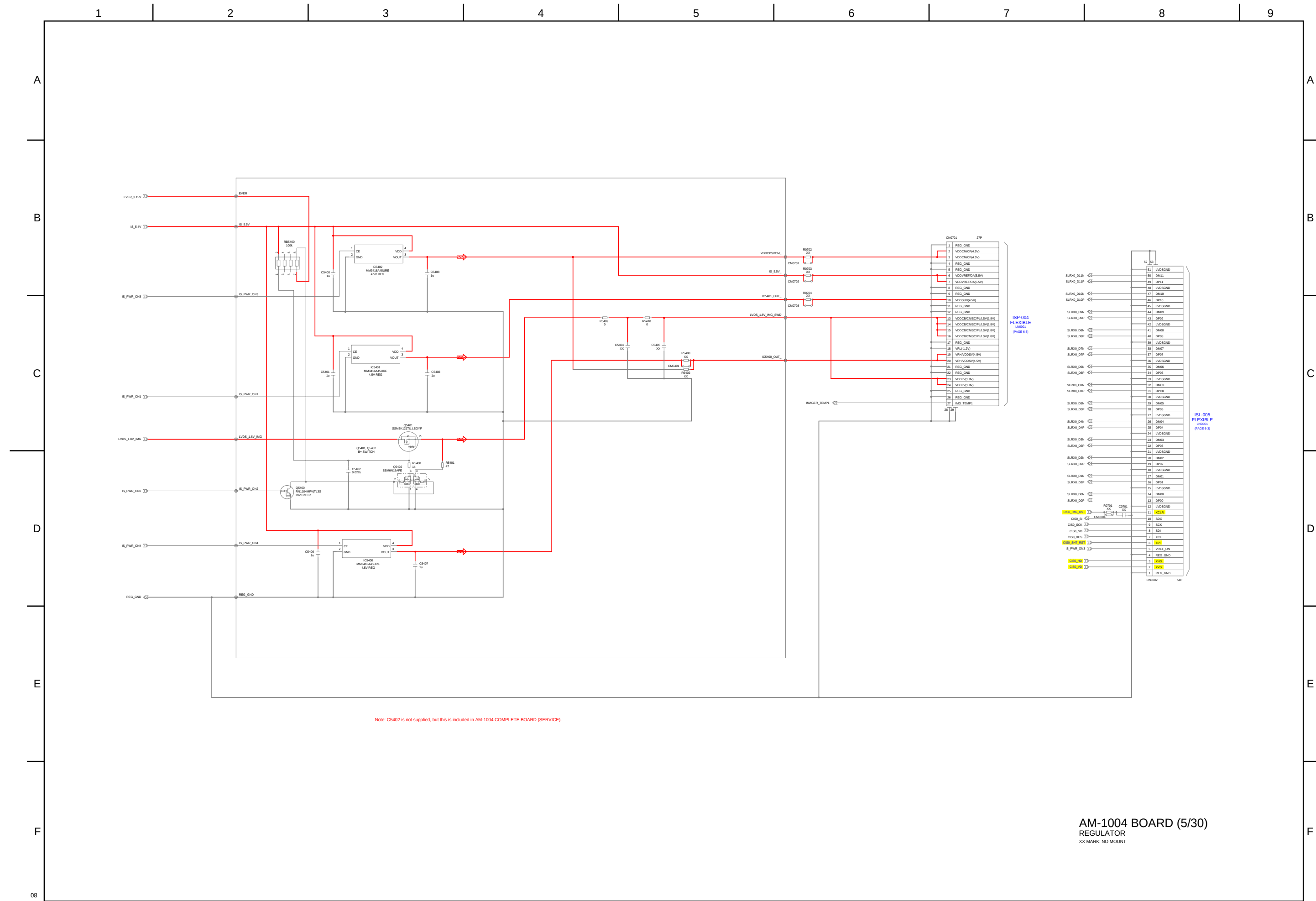




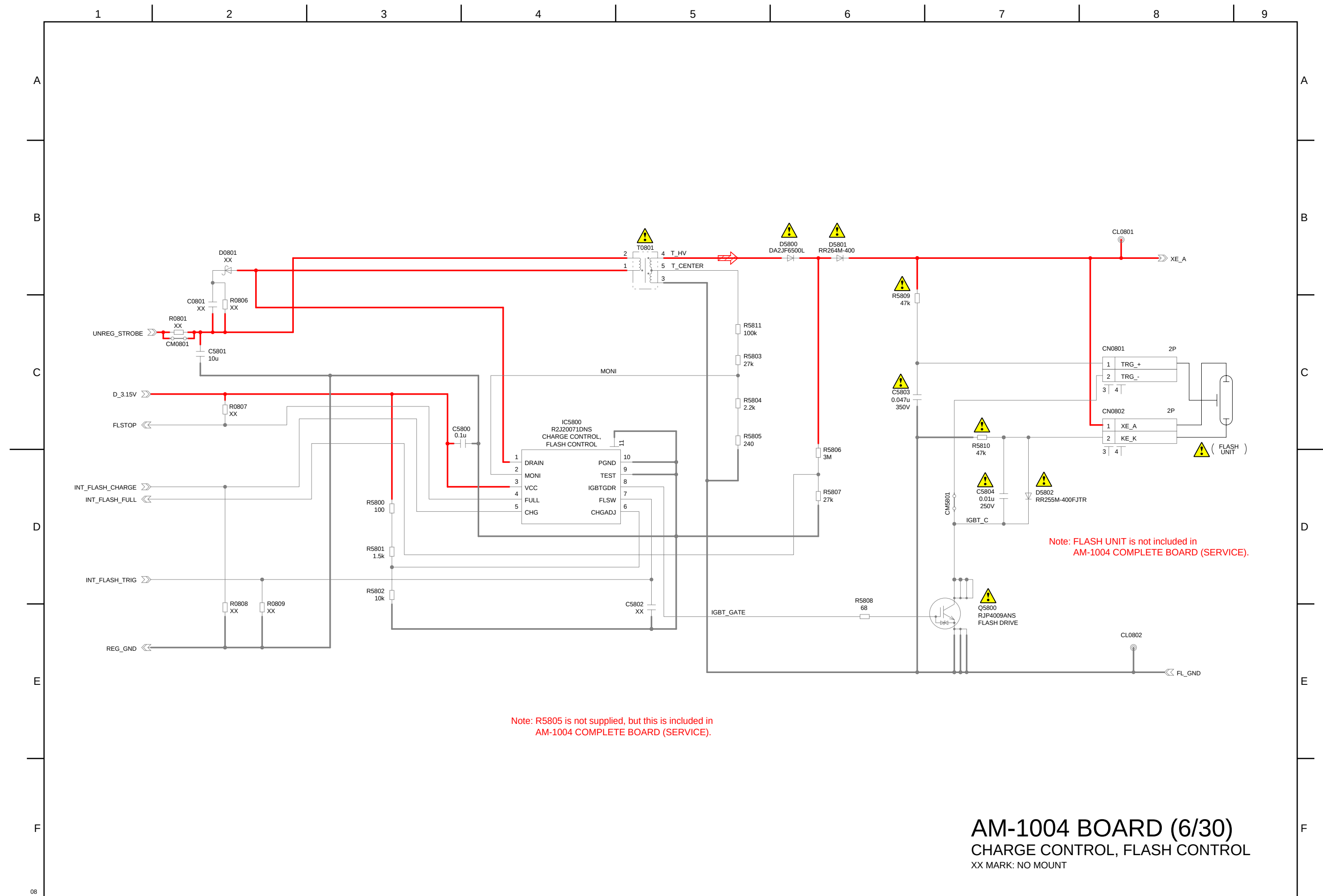


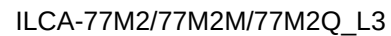


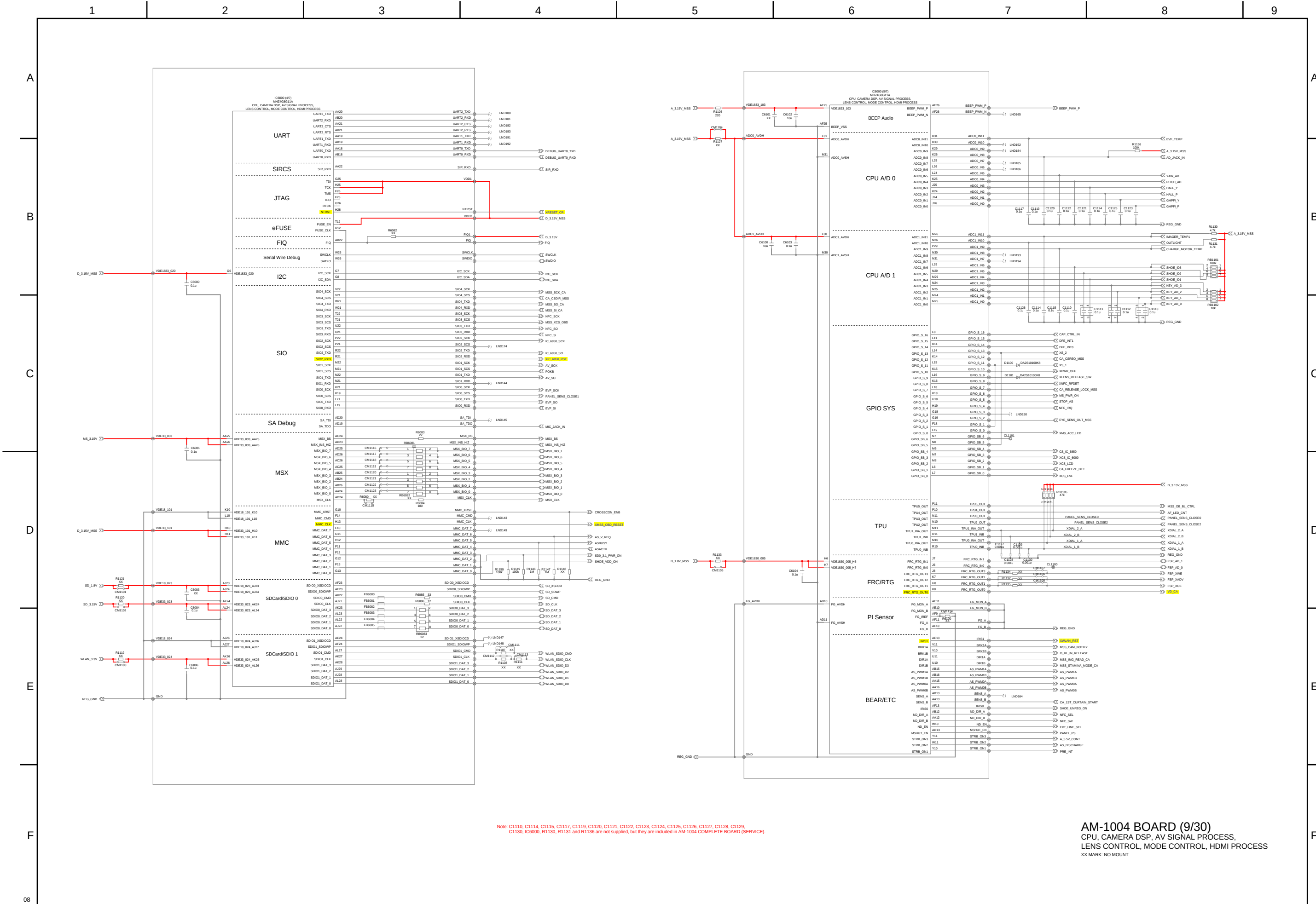




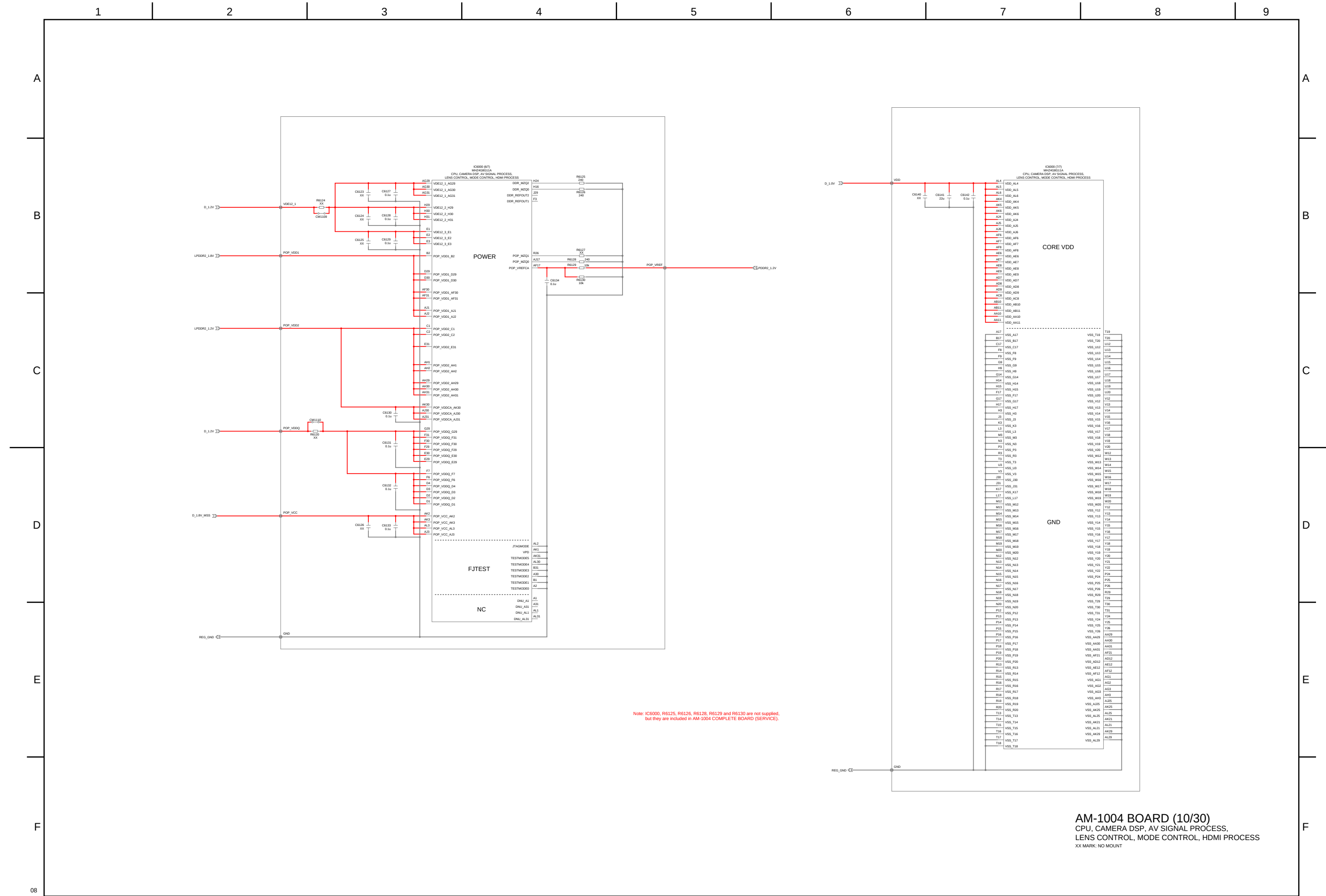
AM-1004 BOARD (5/30)
REGULATOR
XX MARK: NO MOUNT





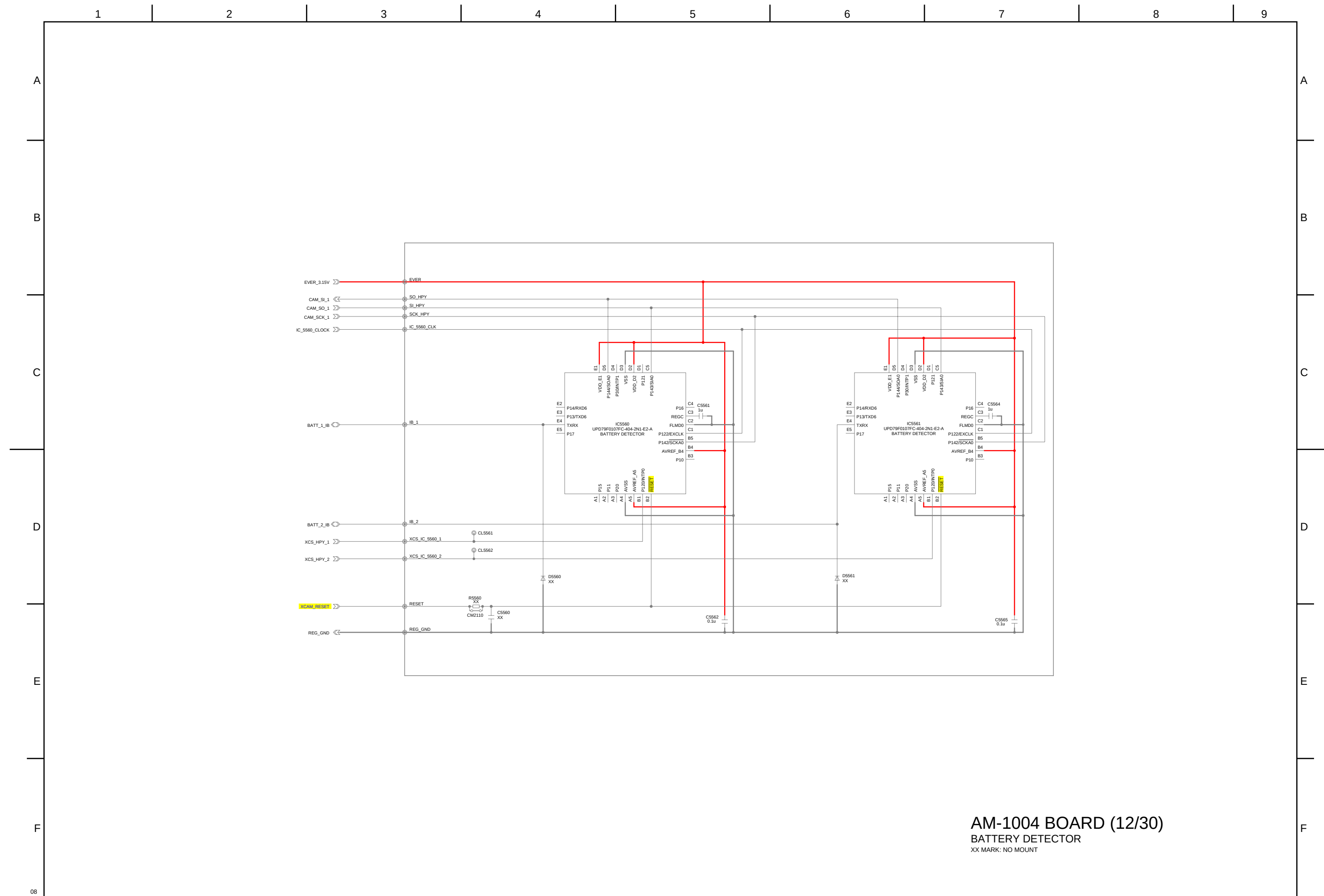


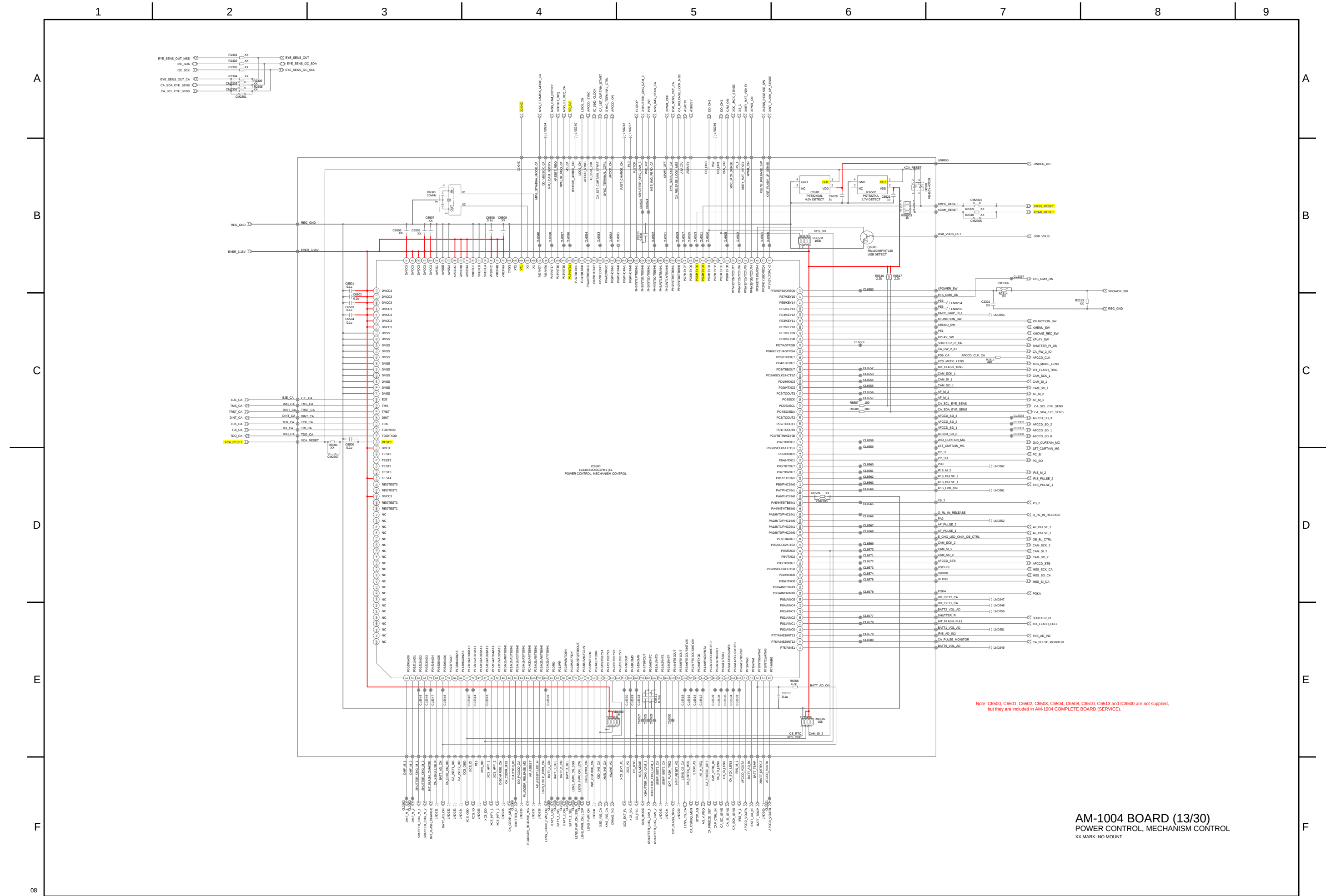
AM-1004 BOARD (9/30)
CPU, CAMERA DSP, AV SIGNAL PROCESS,
LENS CONTROL, MODE CONTROL, HDMI PROCESS
XX MARK: NO MOUNT

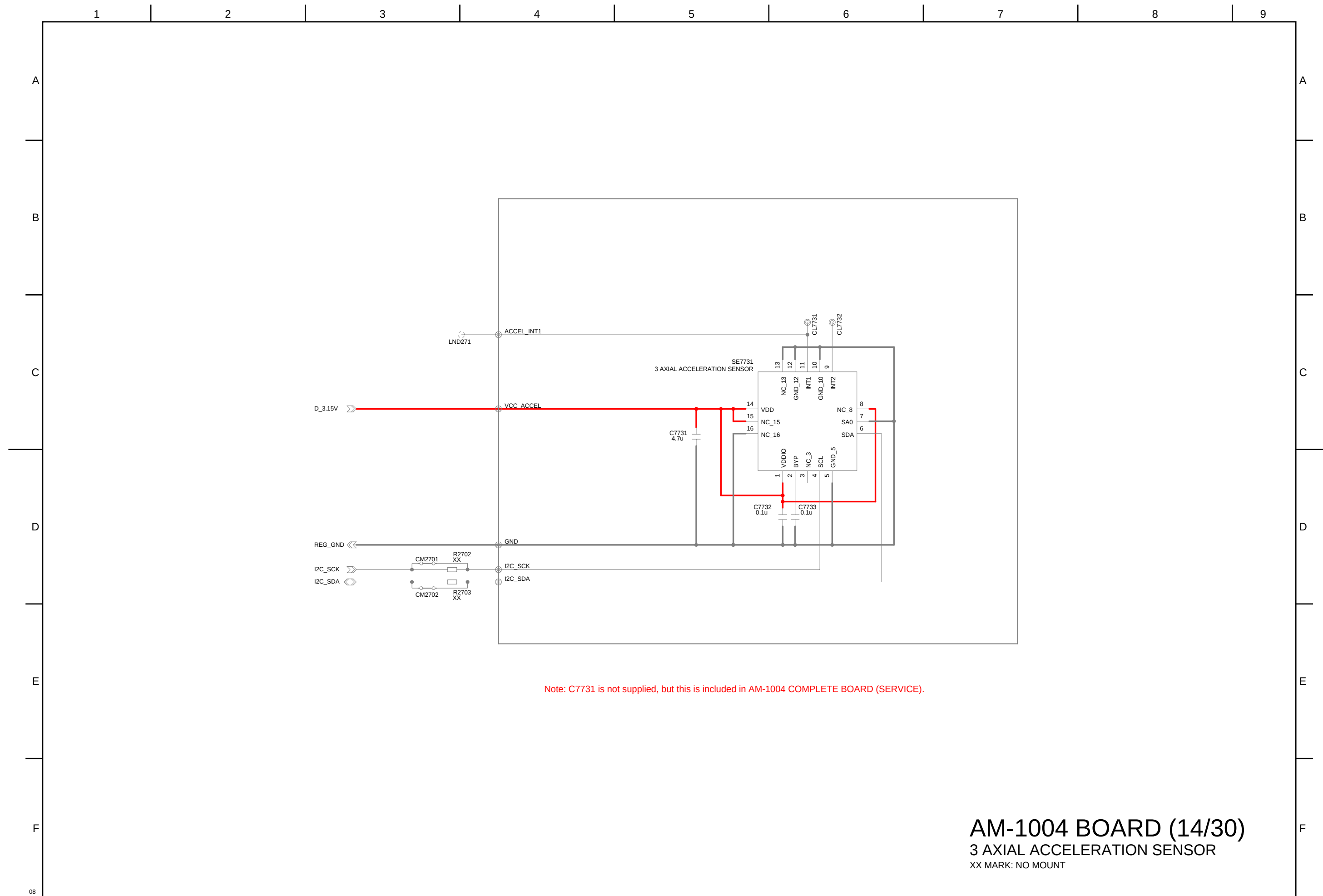


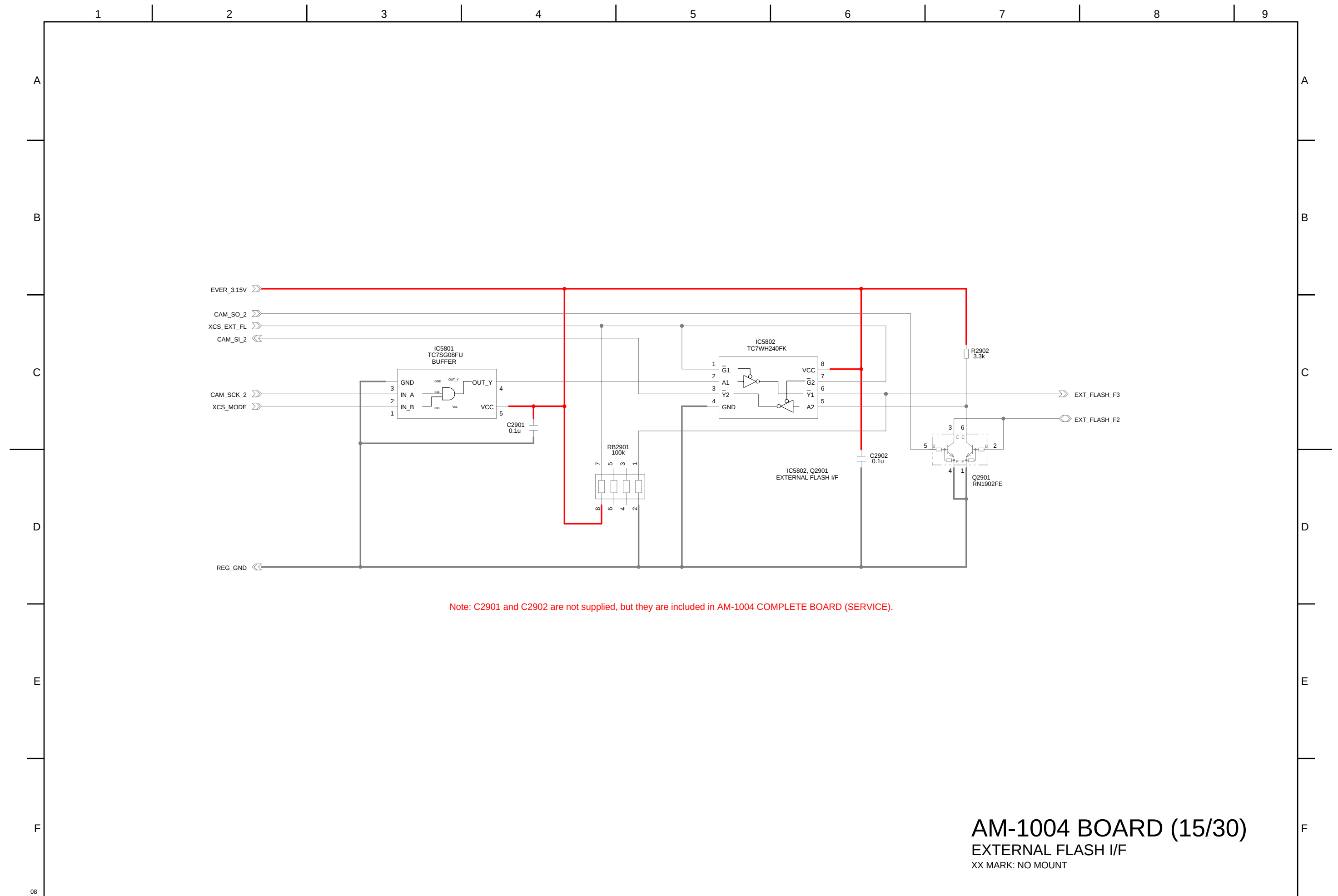


AM-1004 BOARD (11/30)
CAMERA SIGNAL PROCESS
XX MARK: NO MOUNT

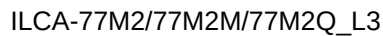


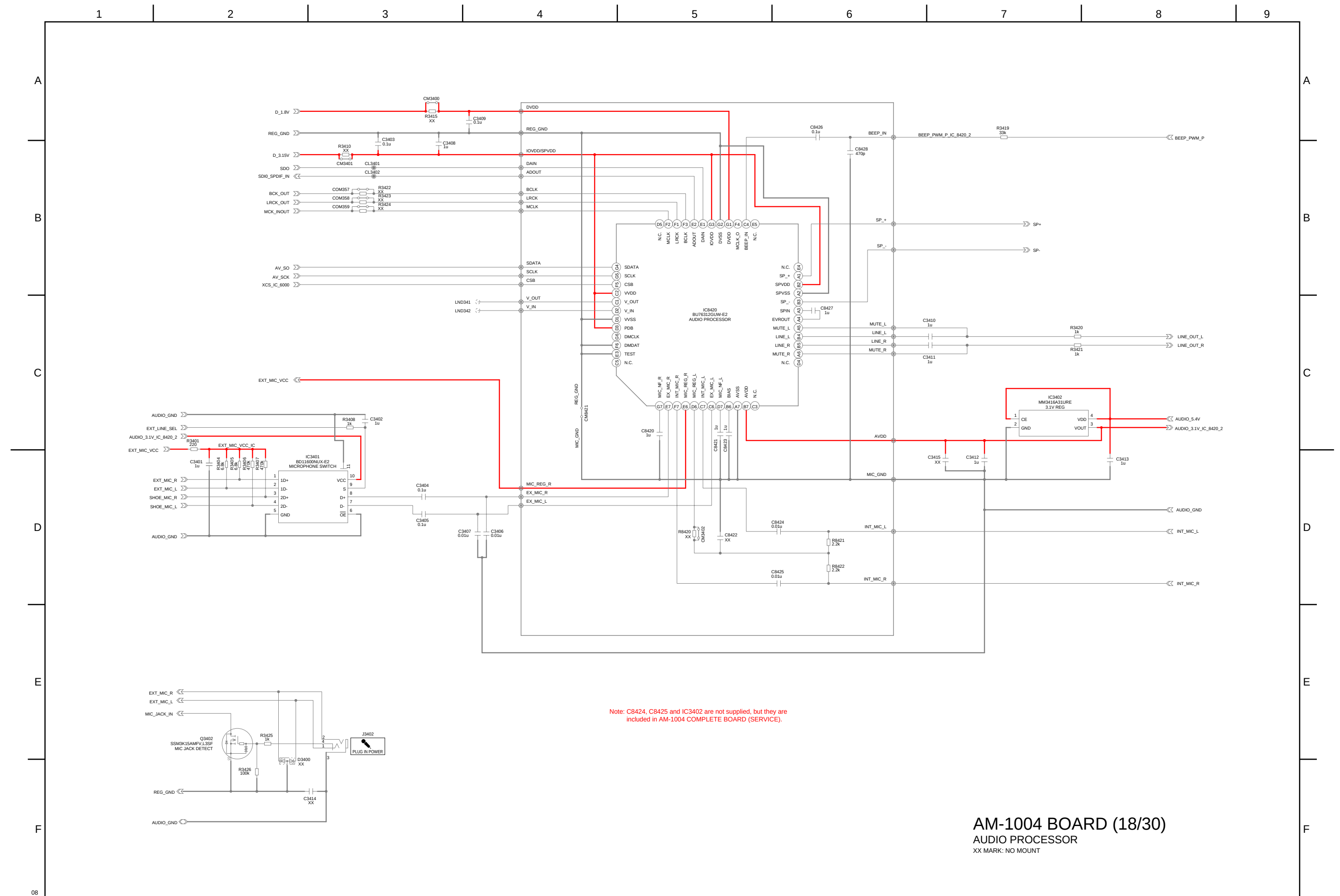


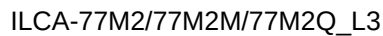


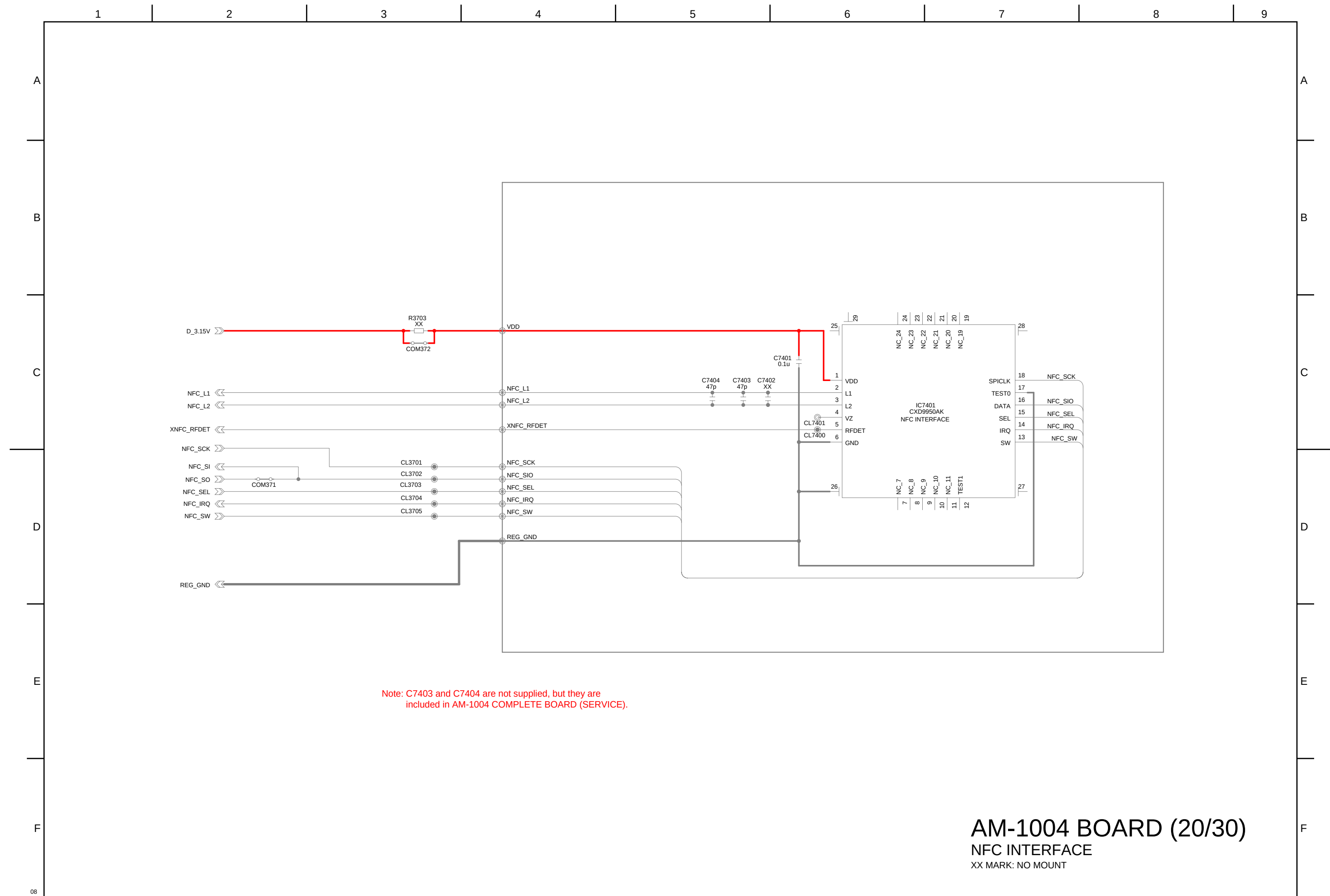


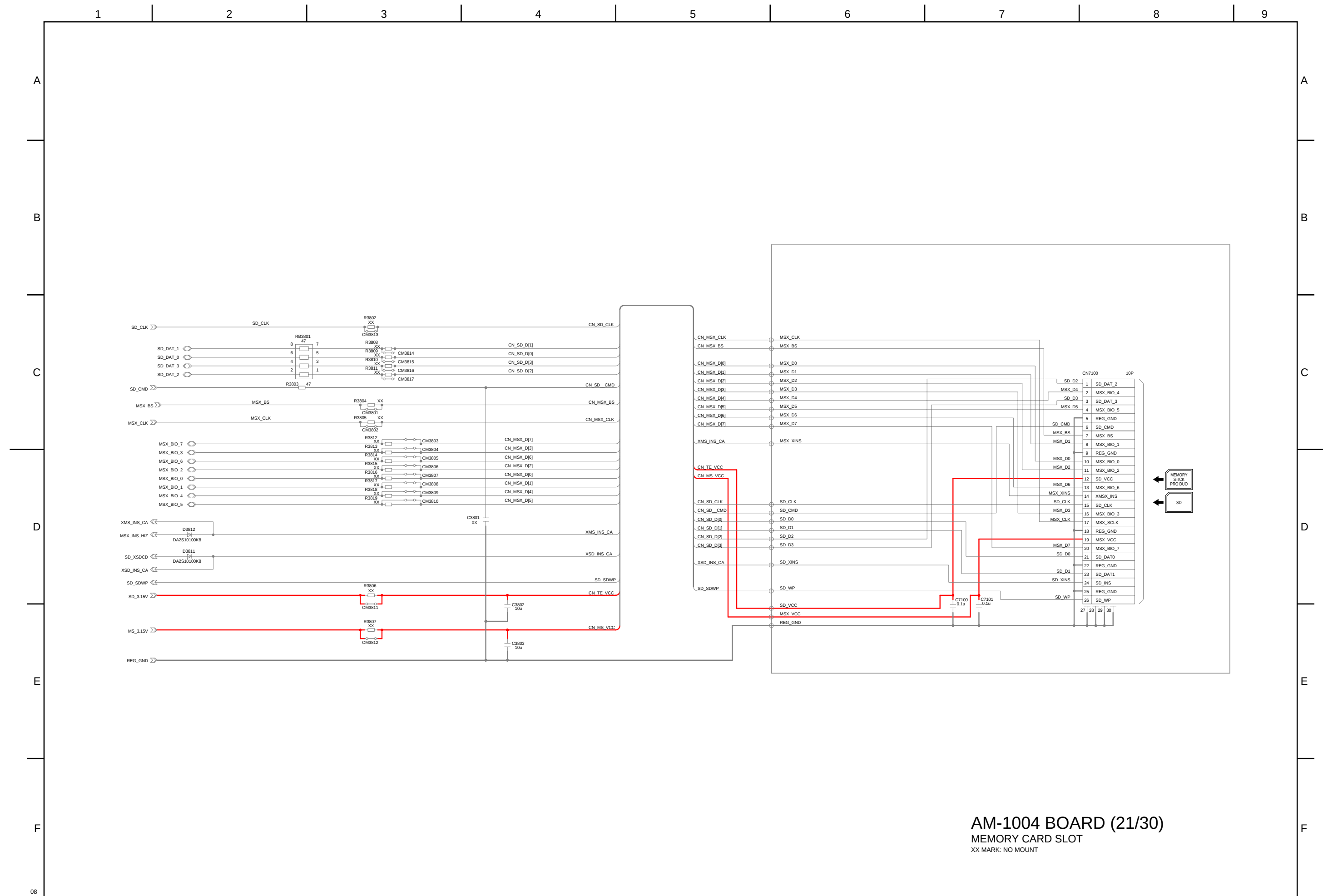
AM-1004 BOARD (15/30)
 EXTERNAL FLASH I/F
 XX MARK: NO MOUNT

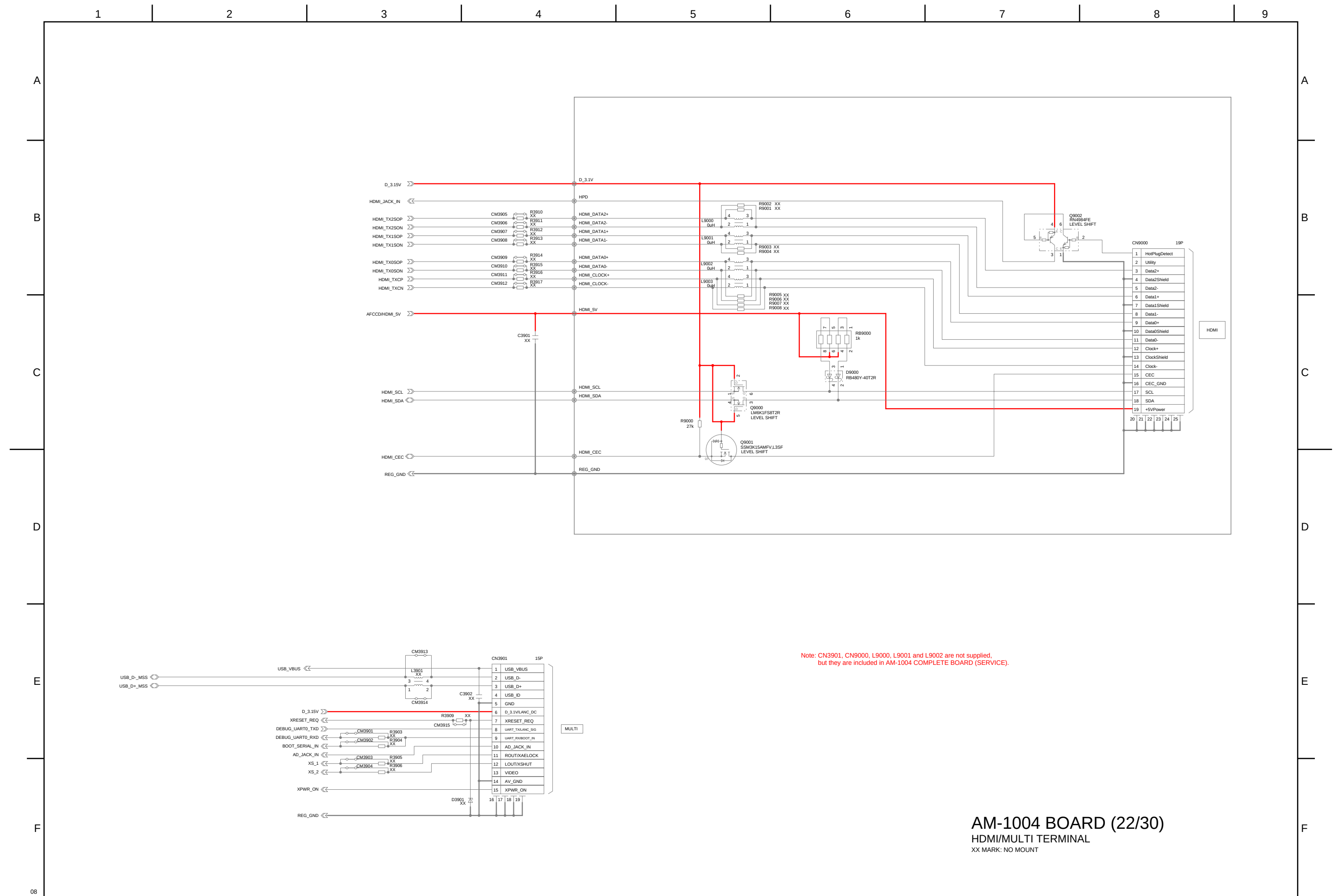


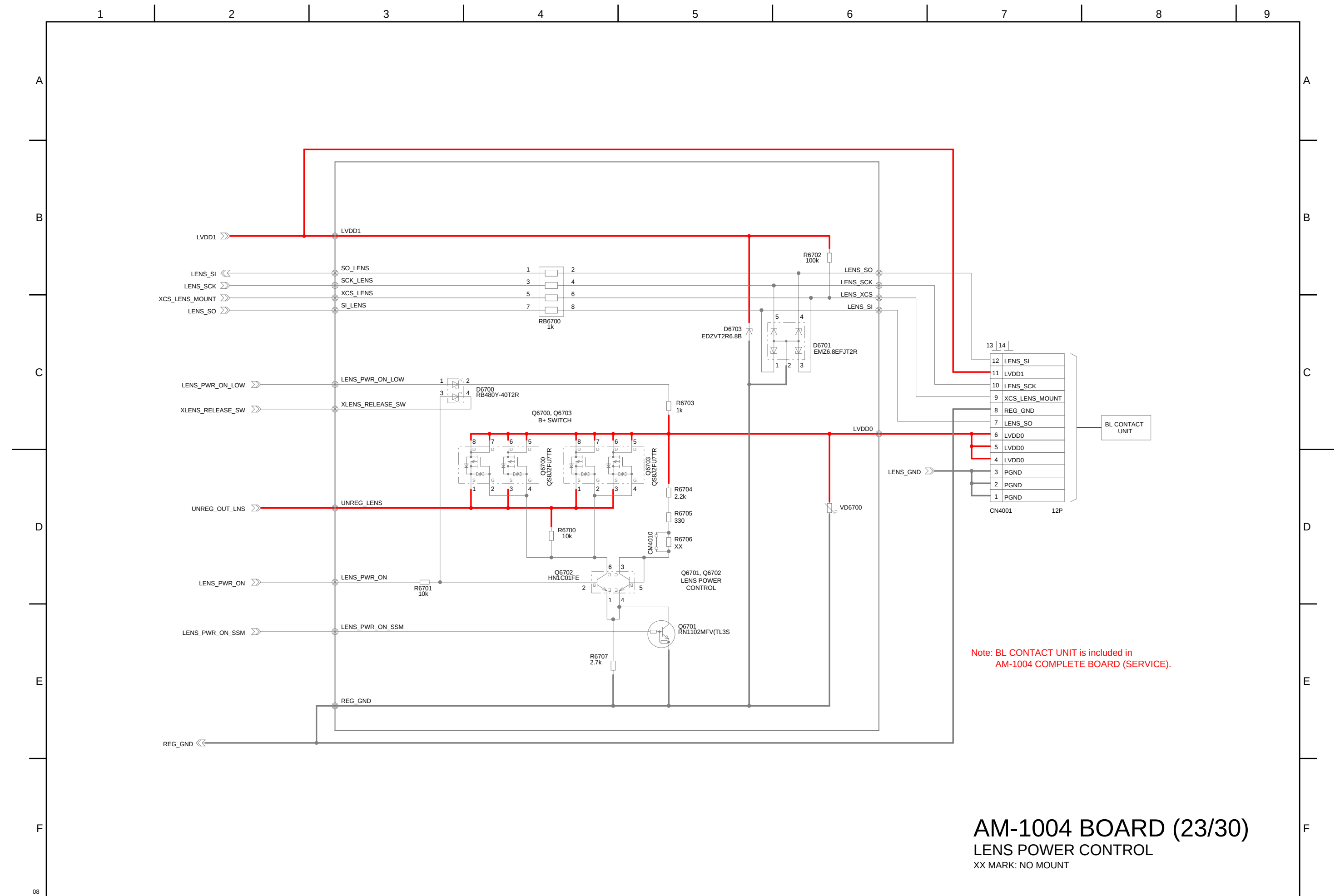


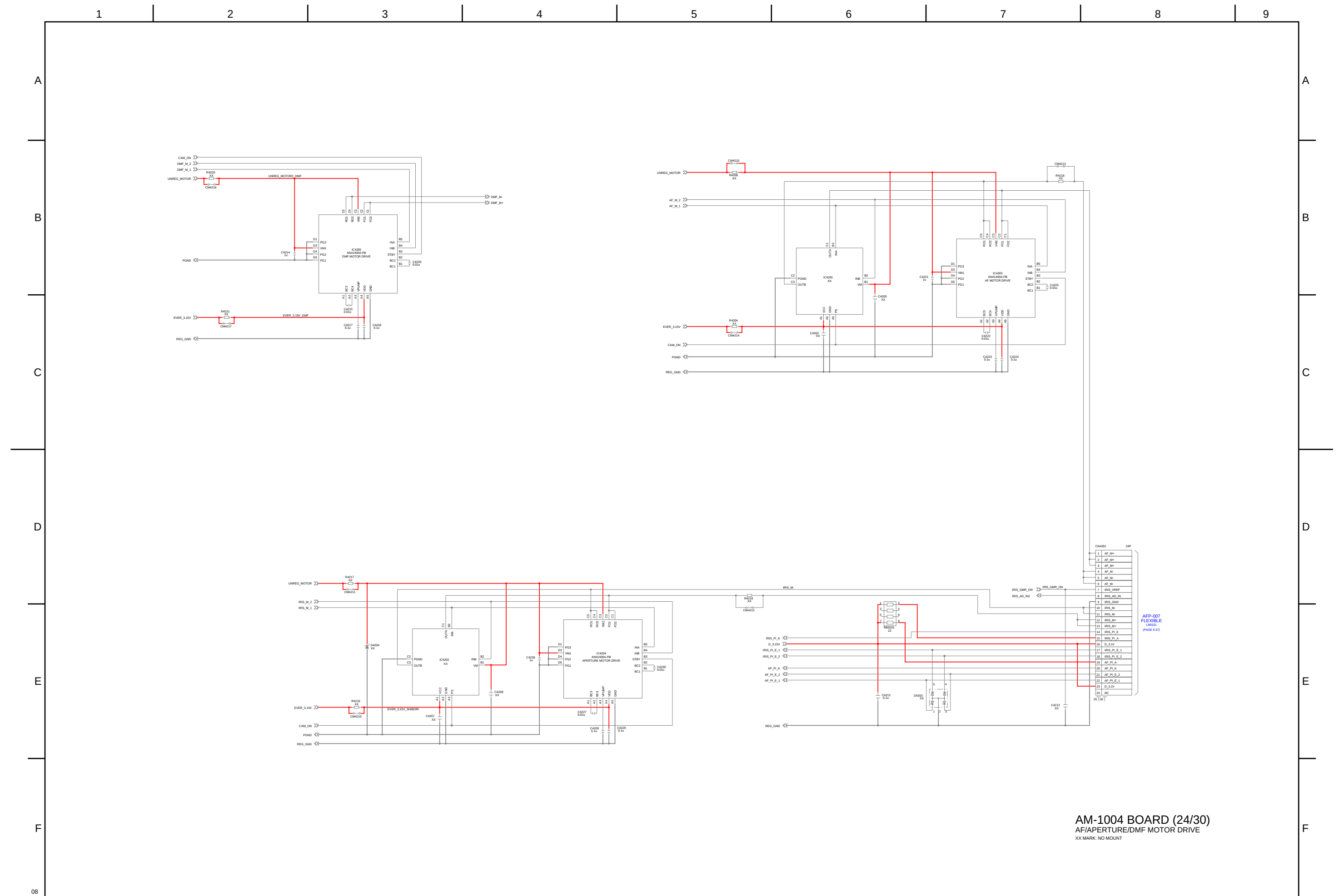


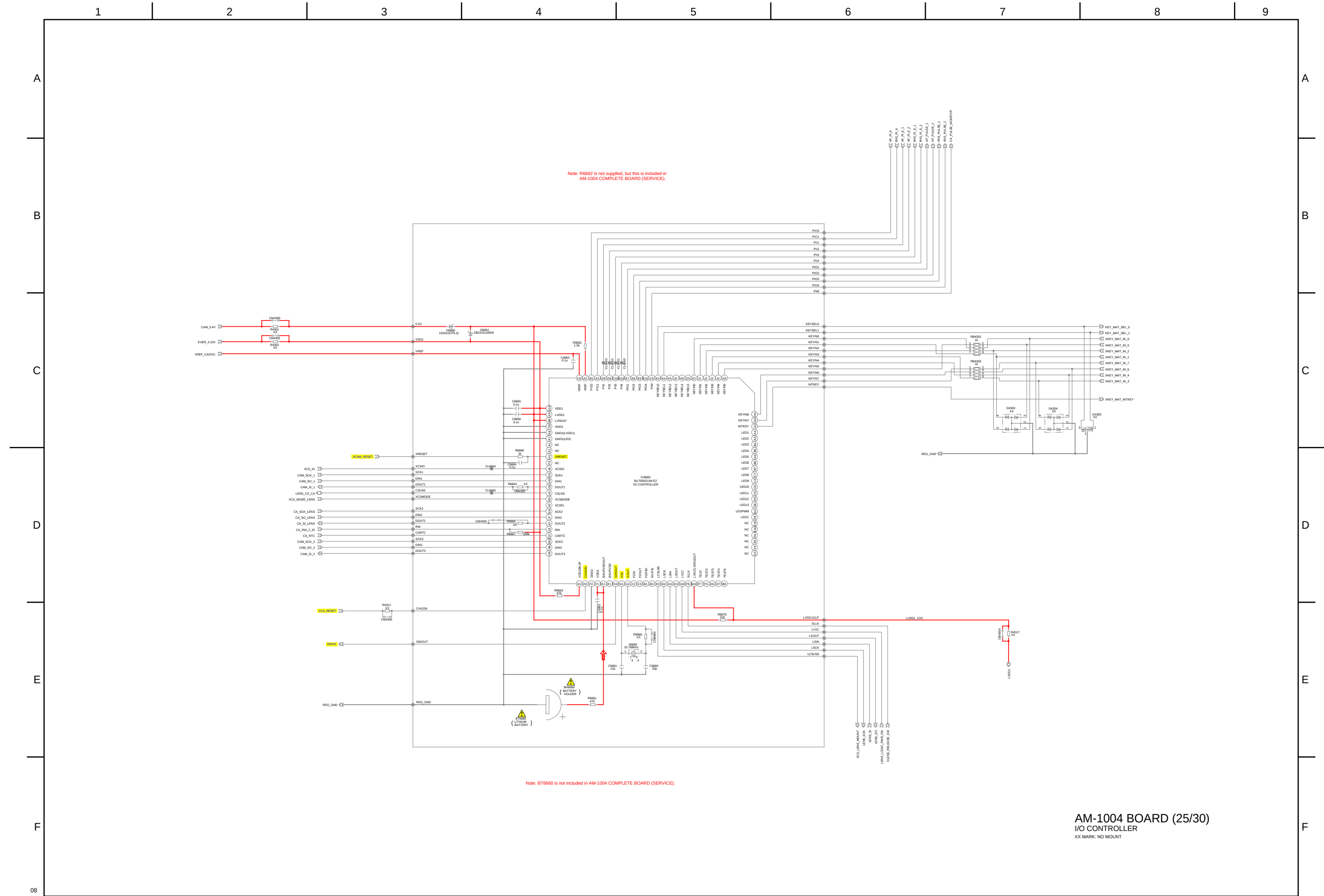


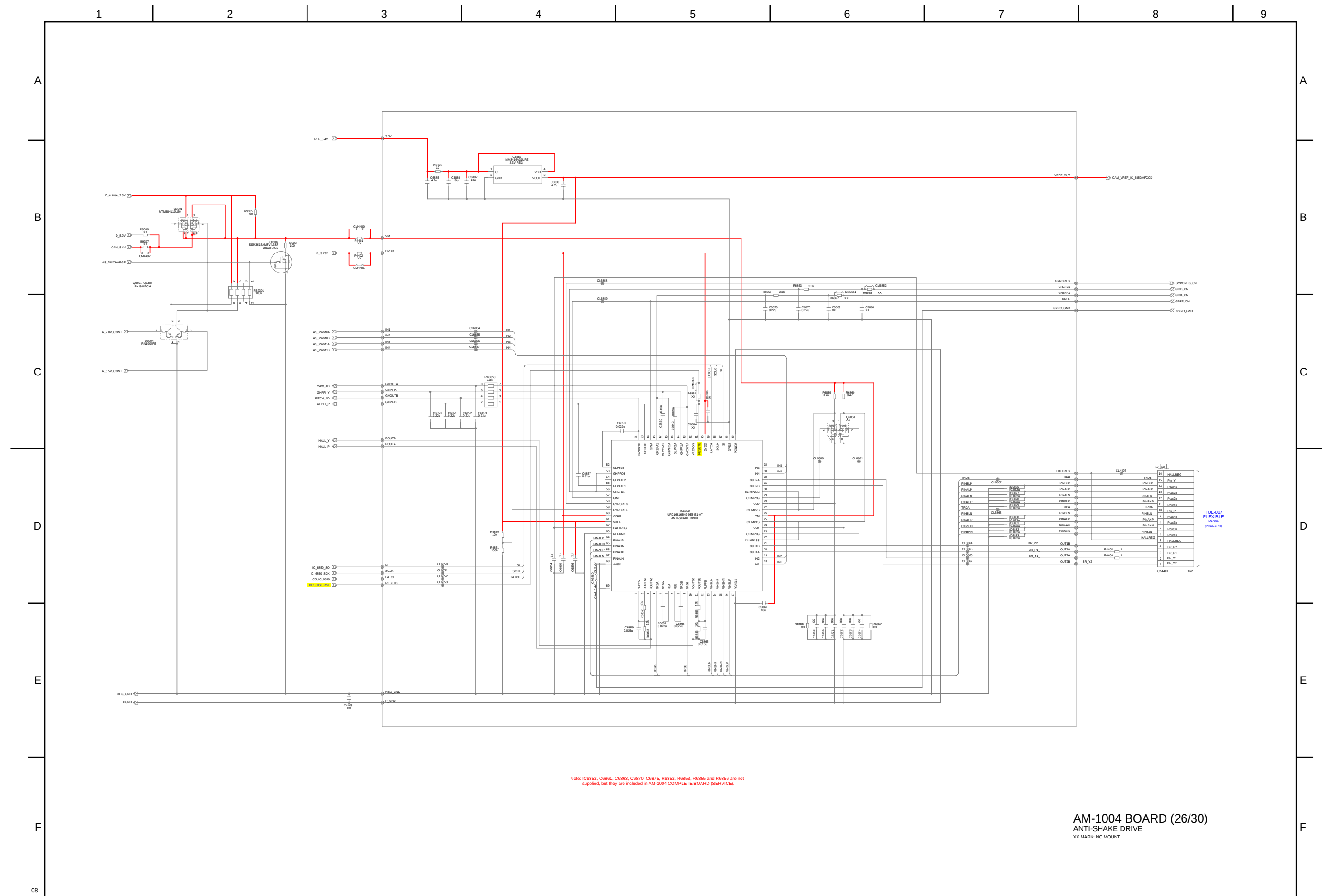


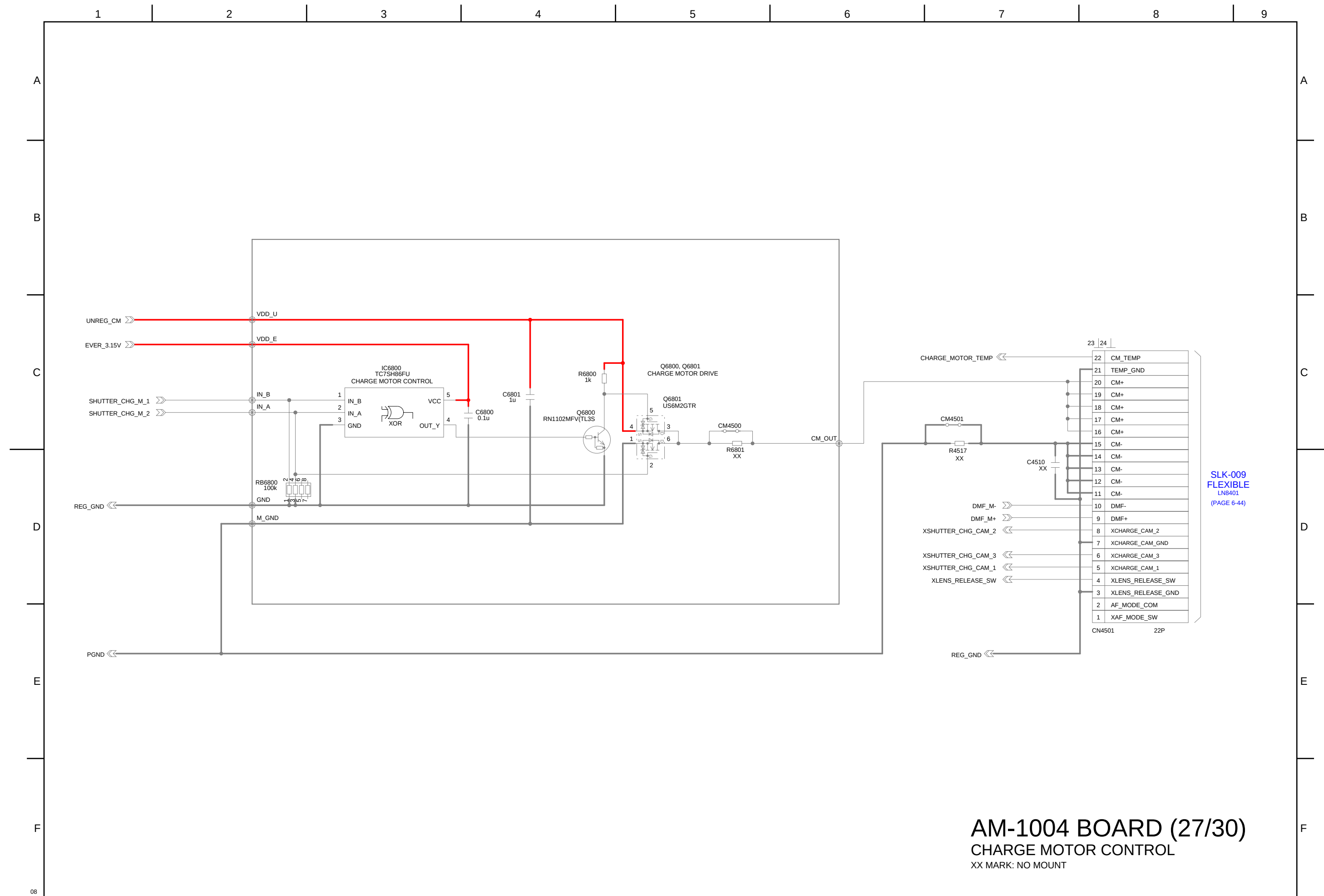


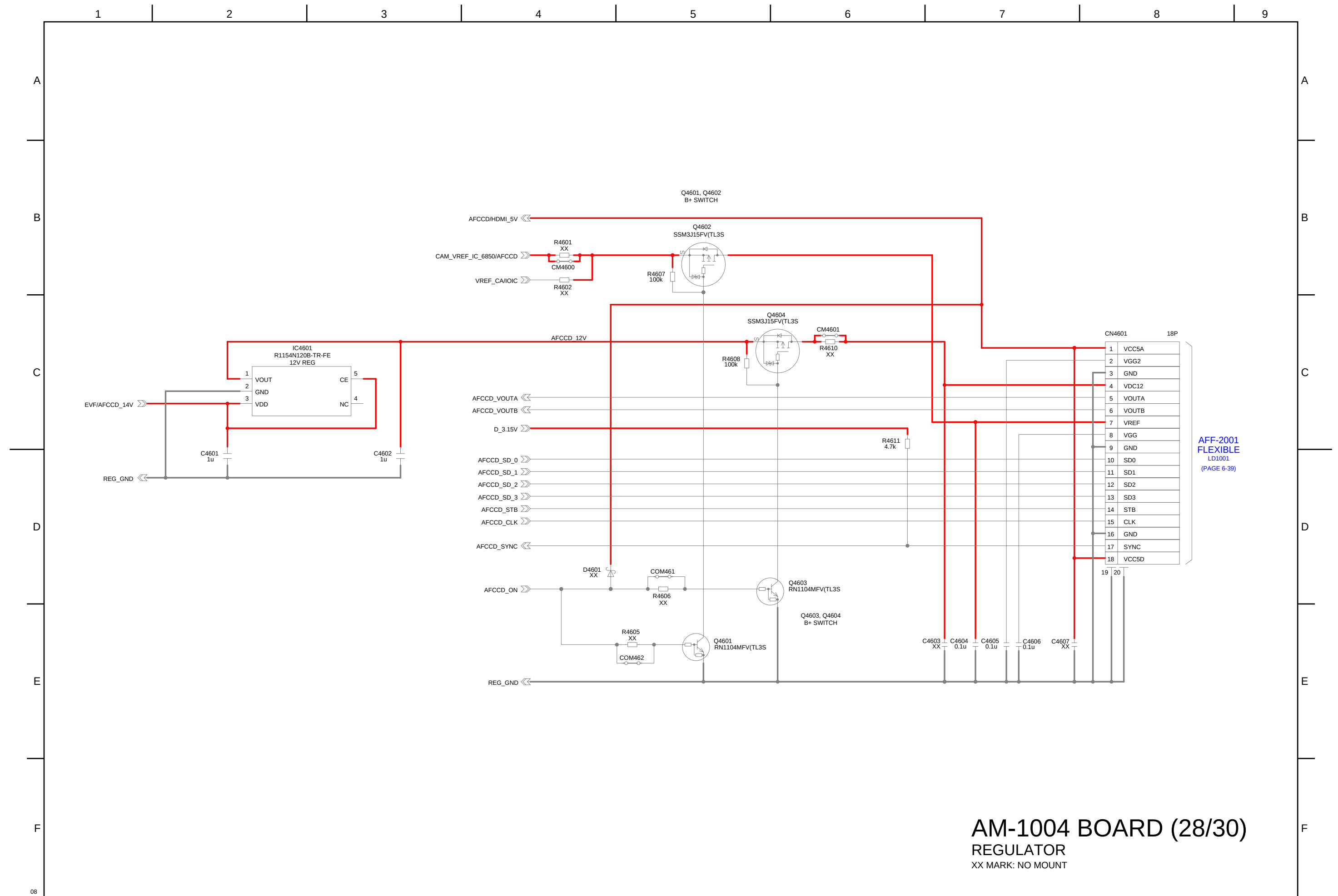


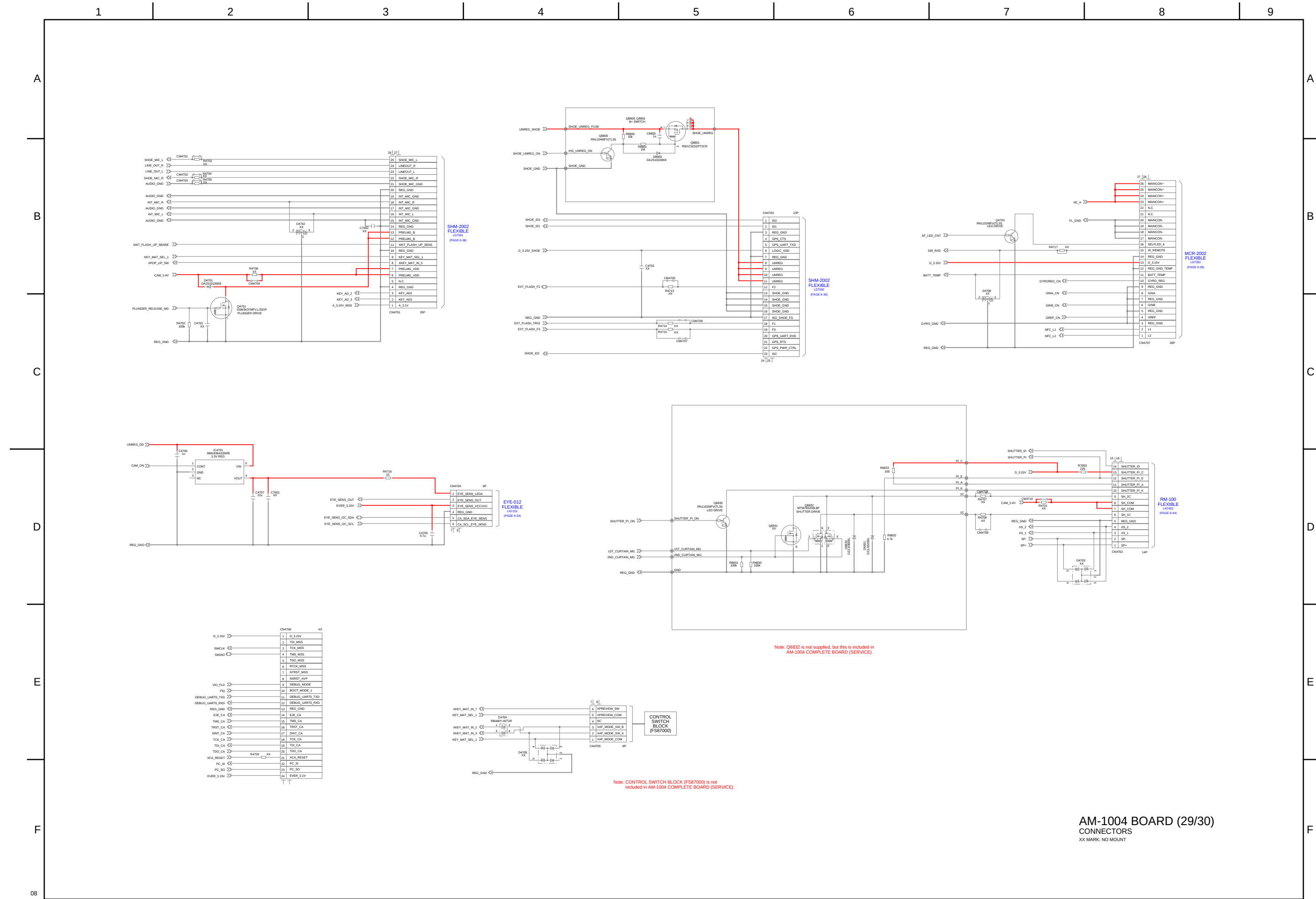


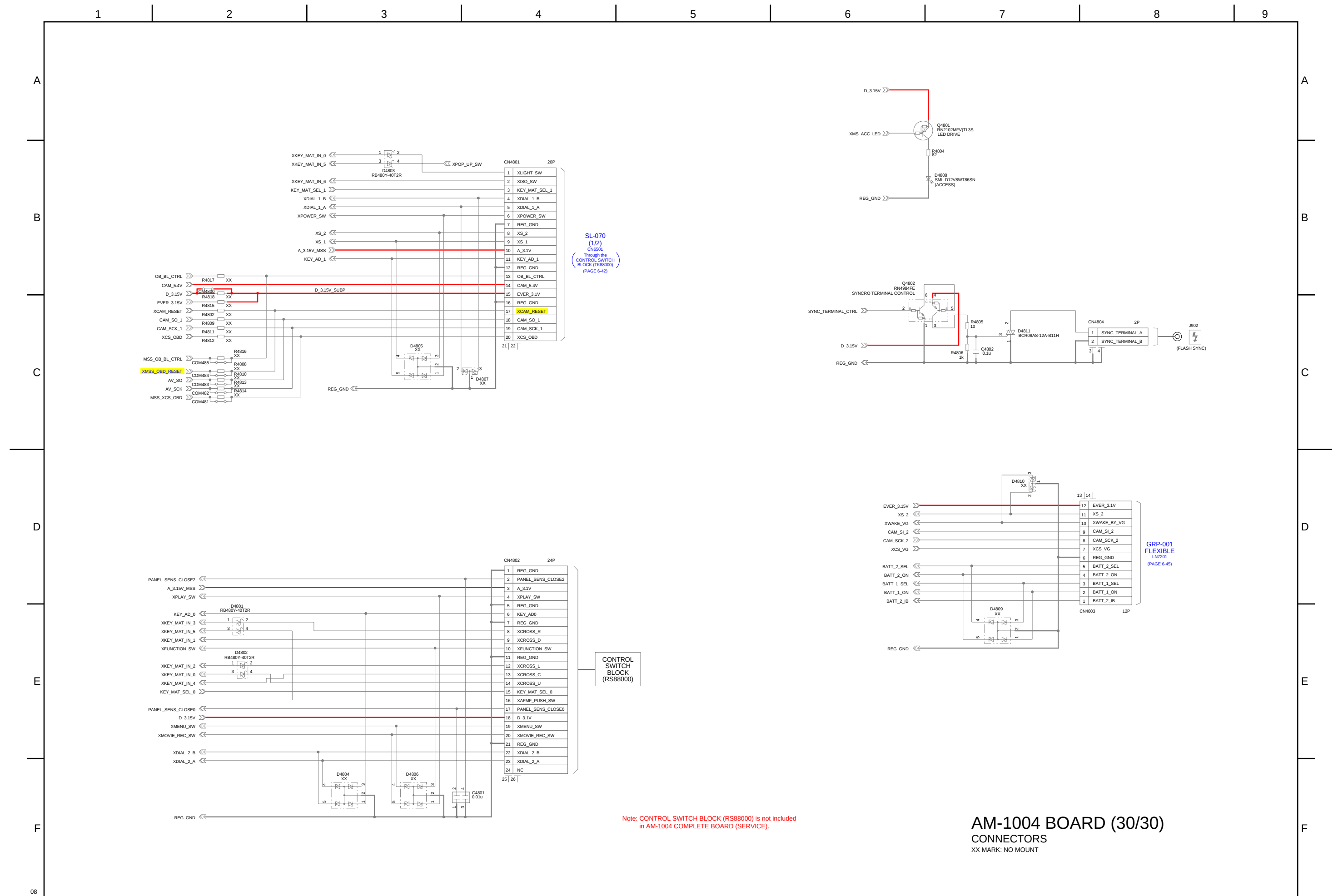


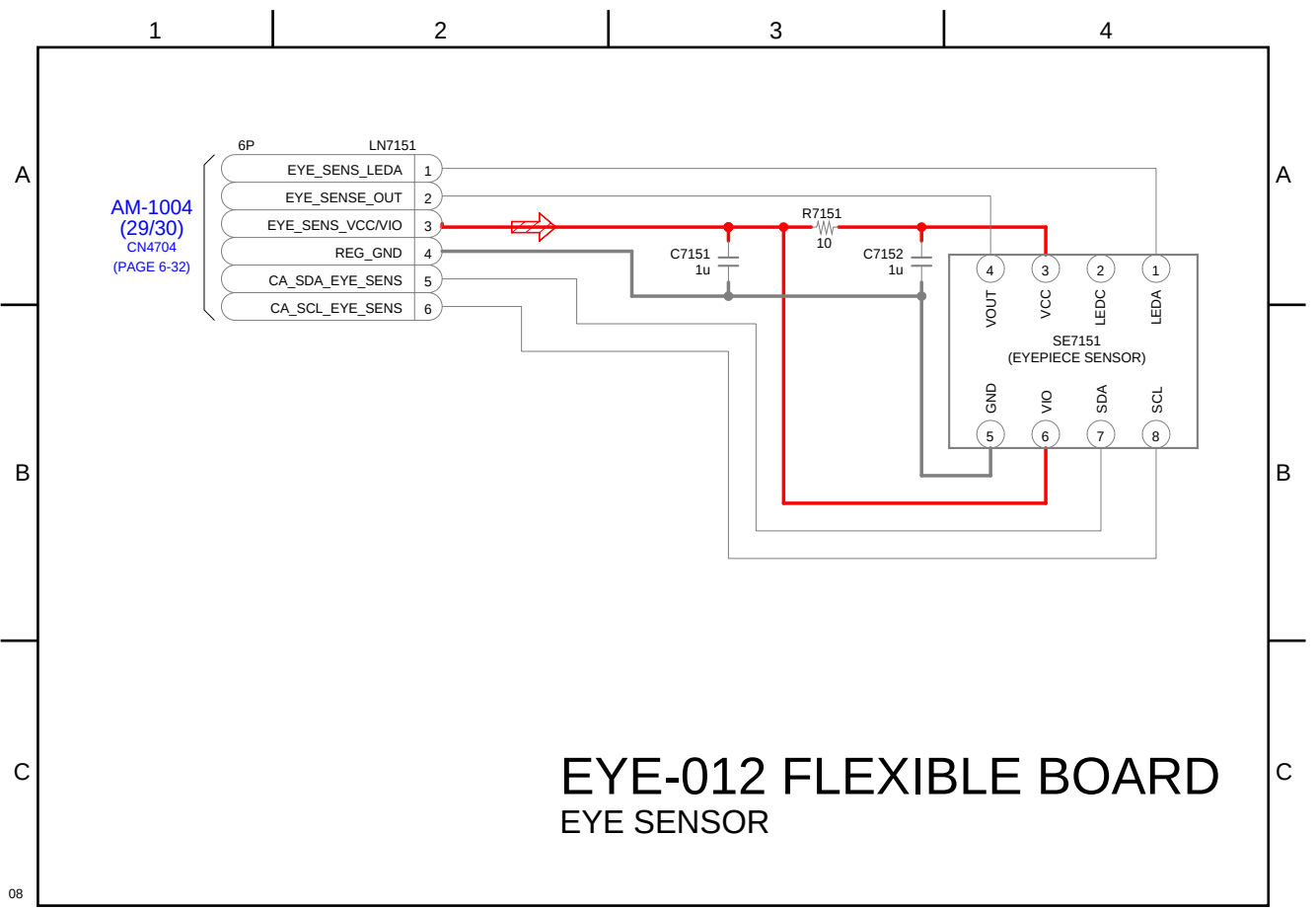
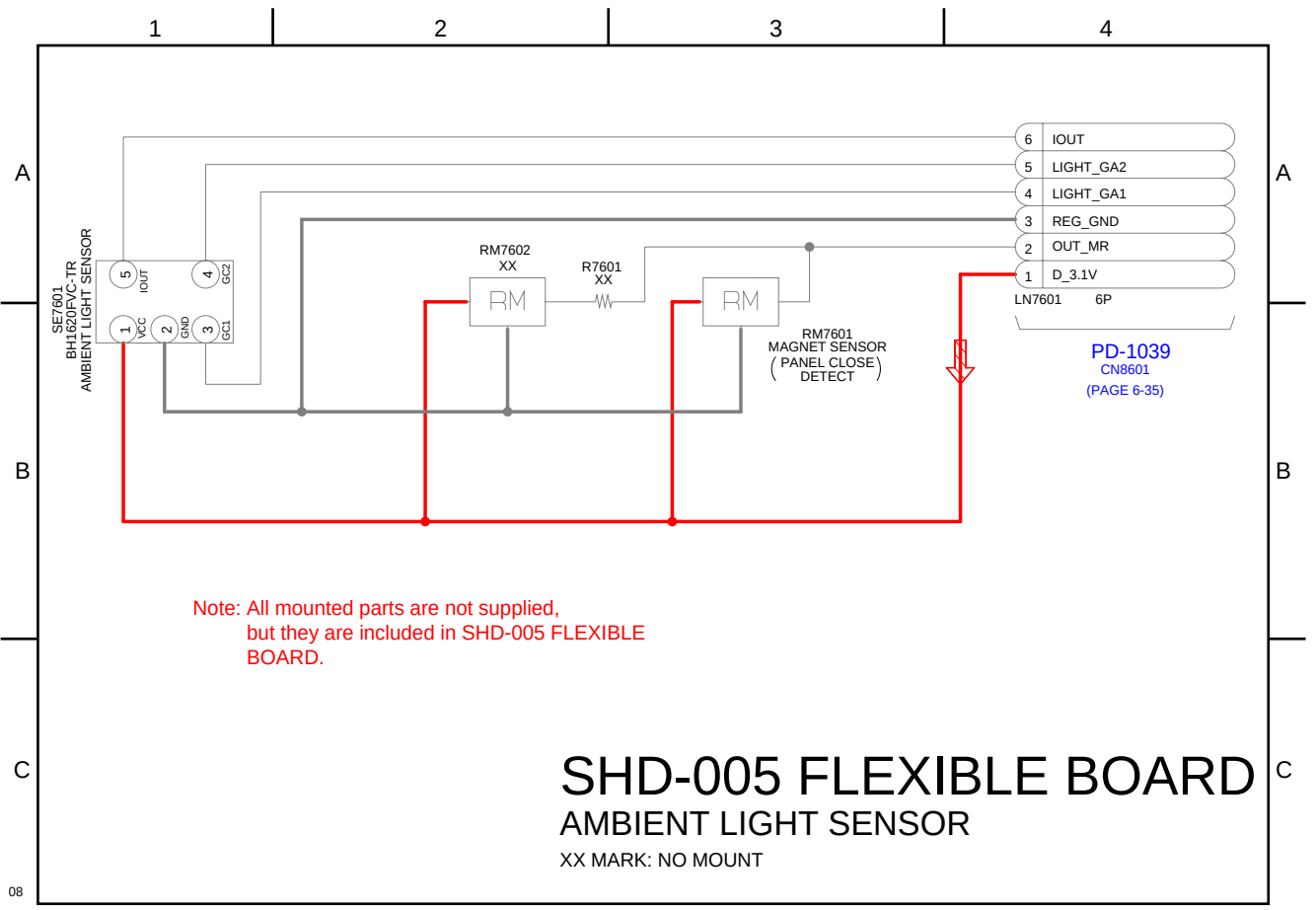
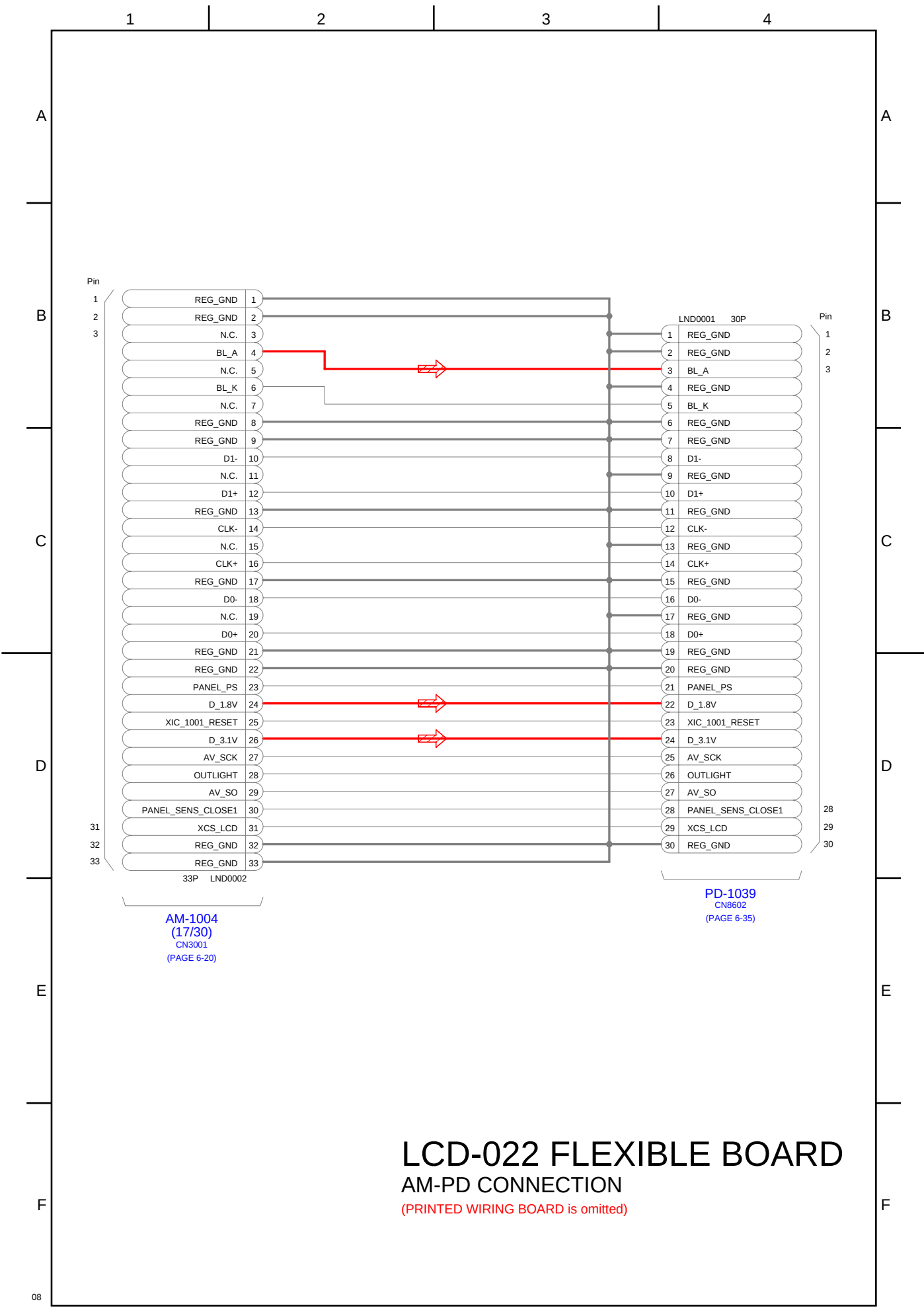


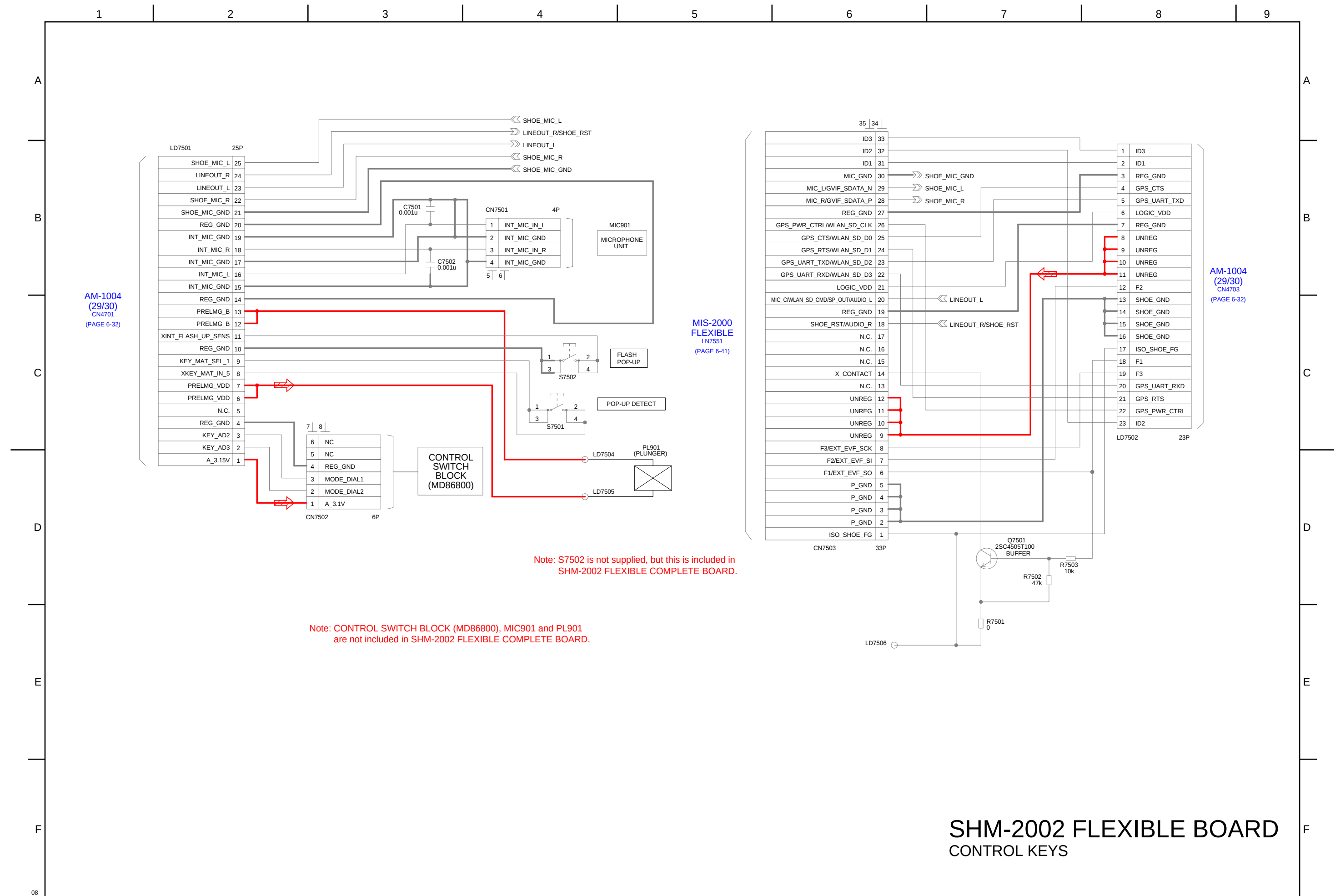




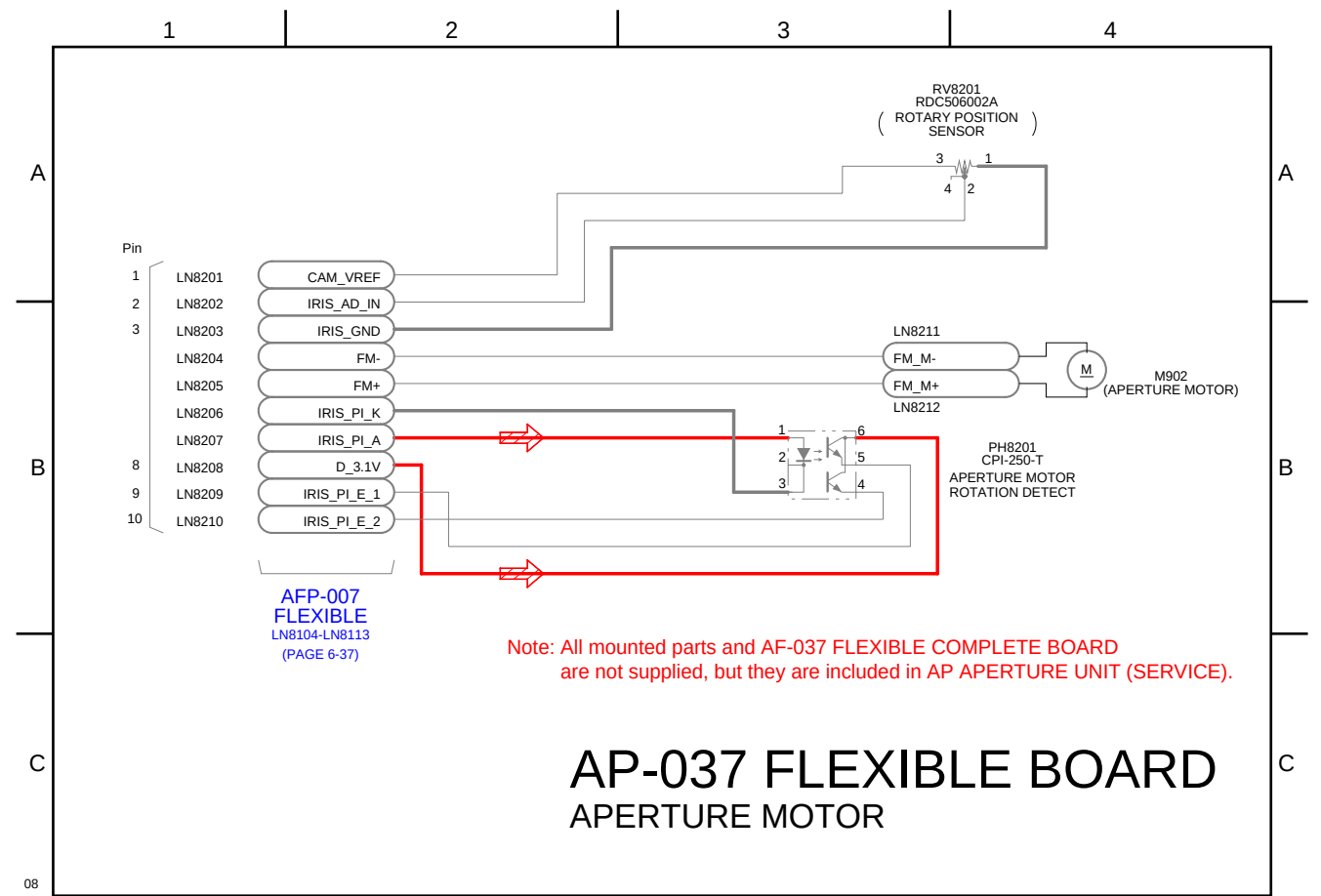
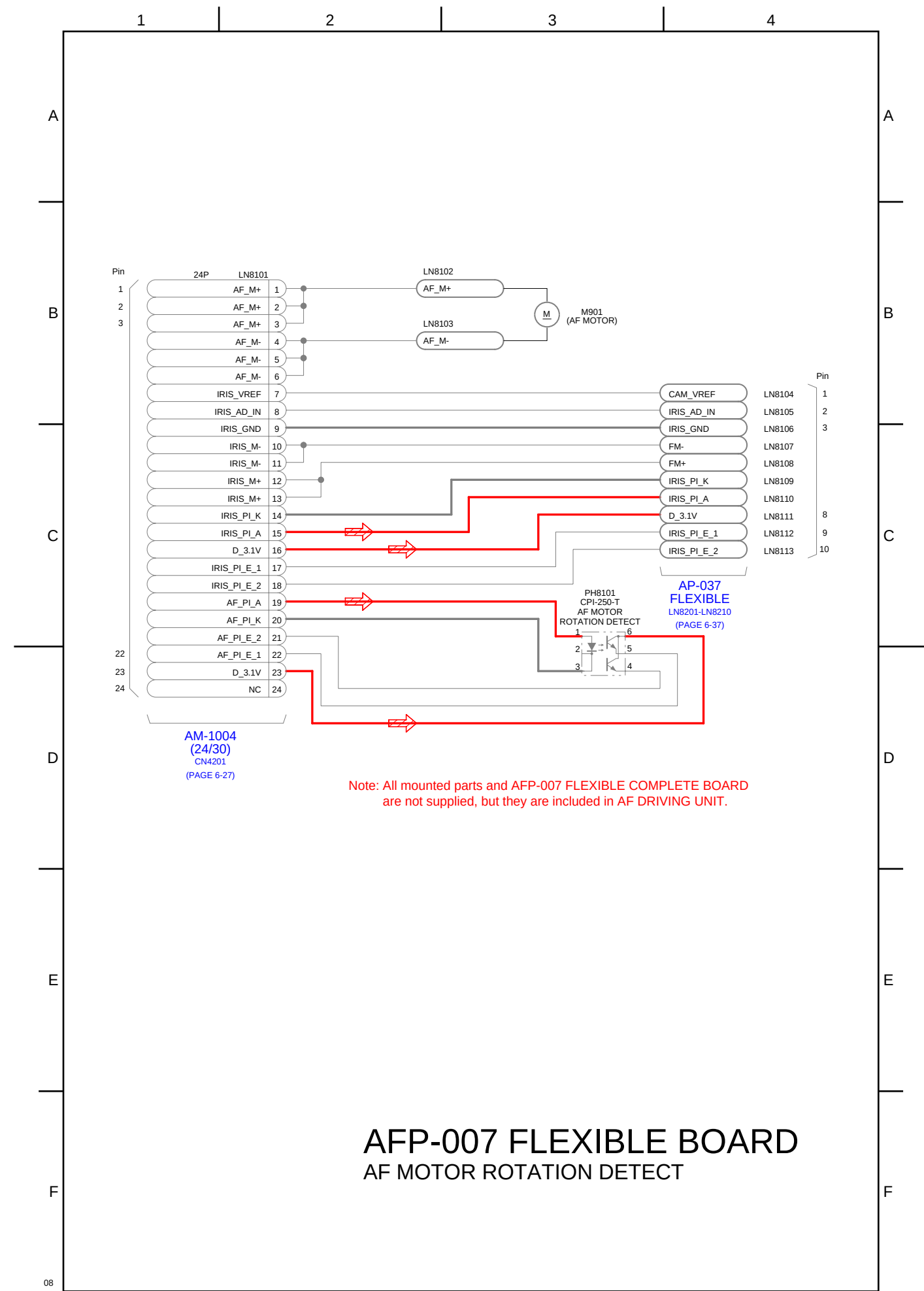


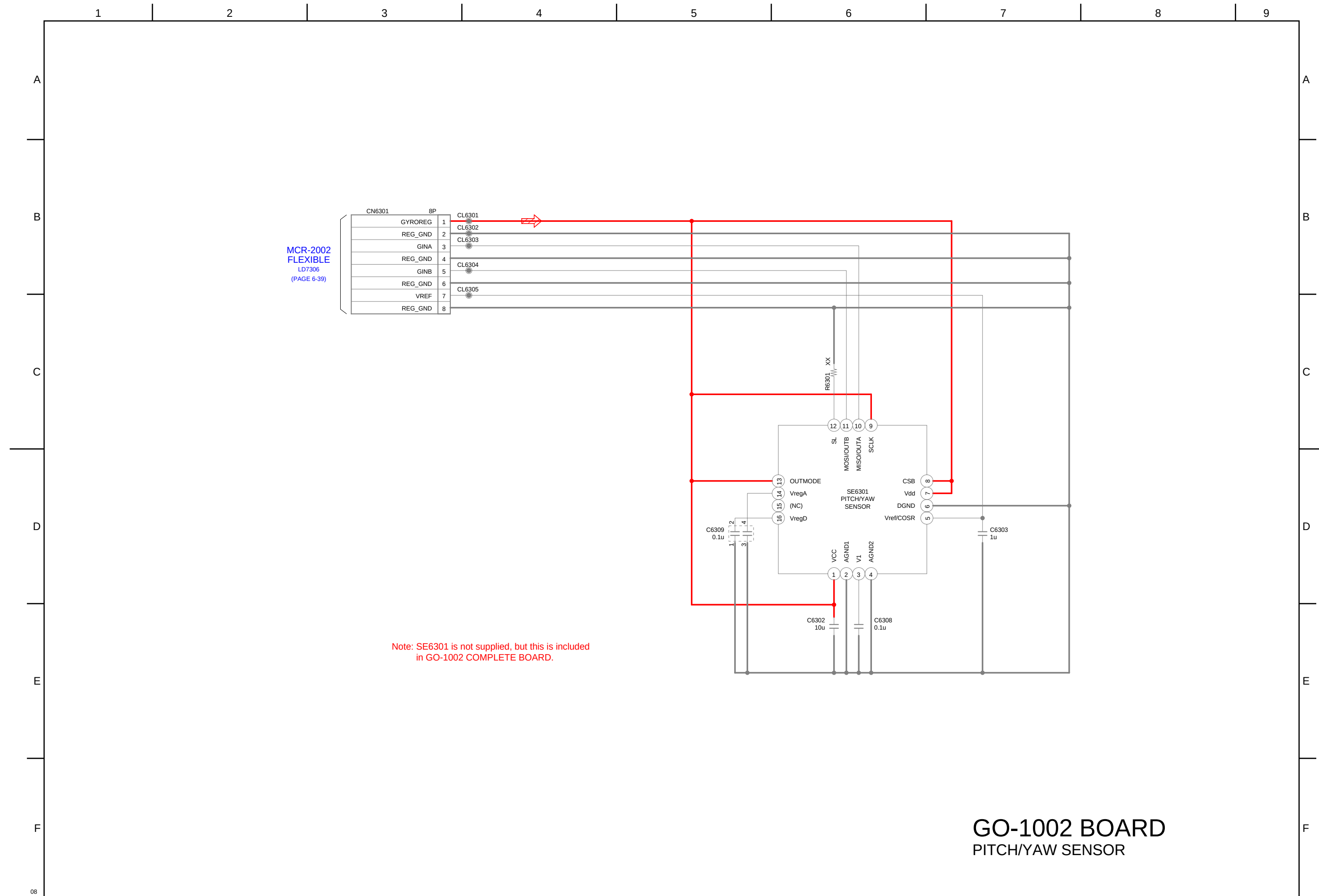


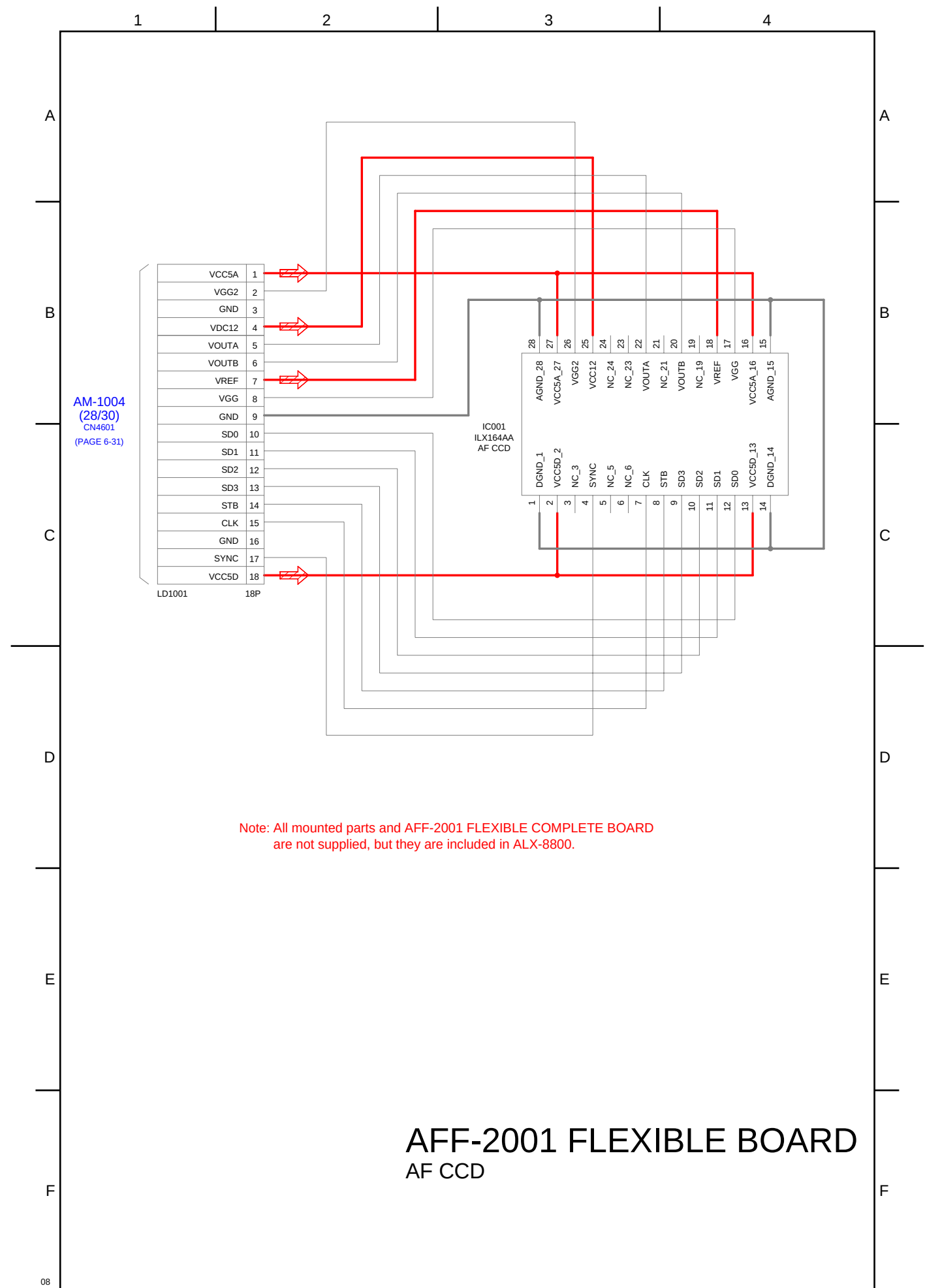
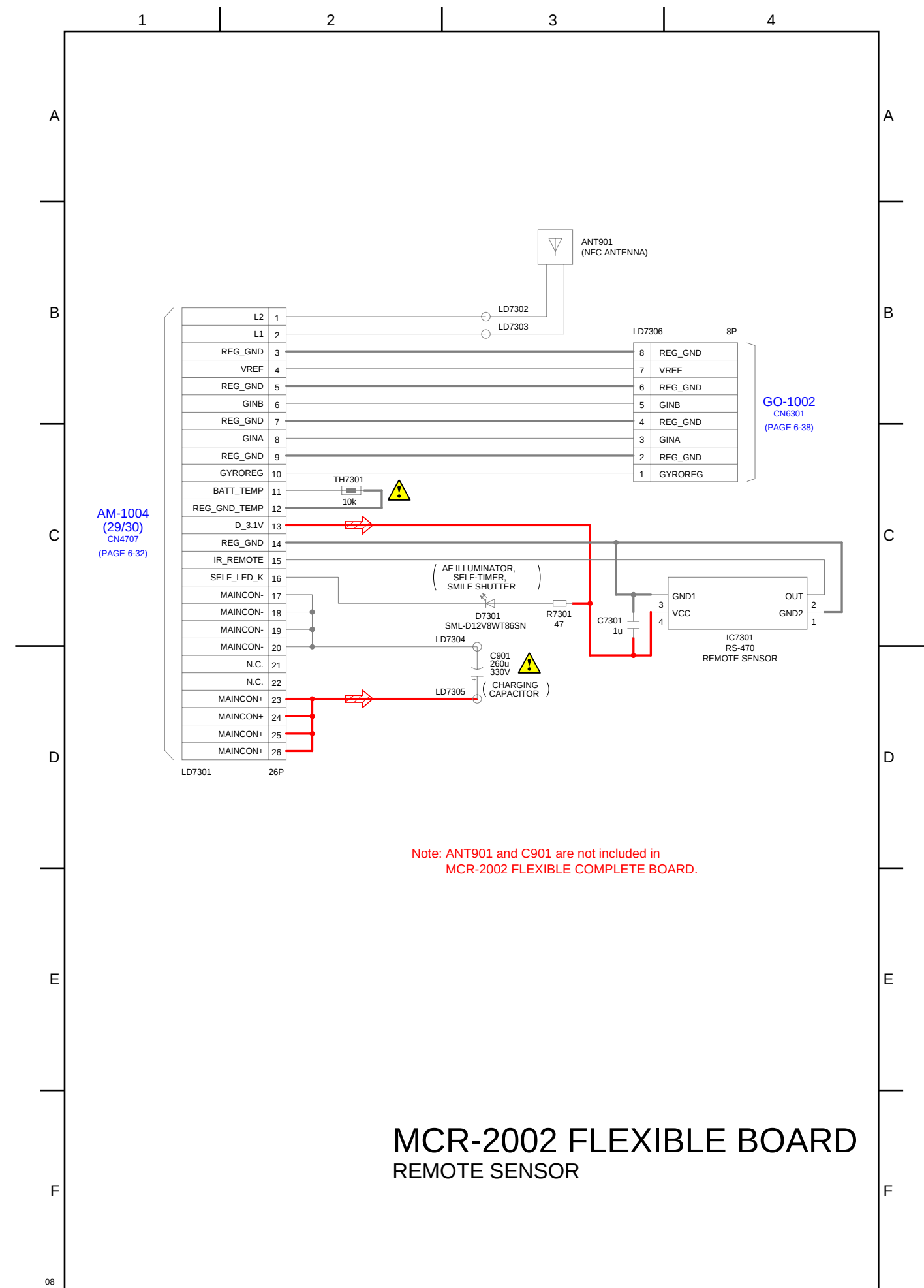


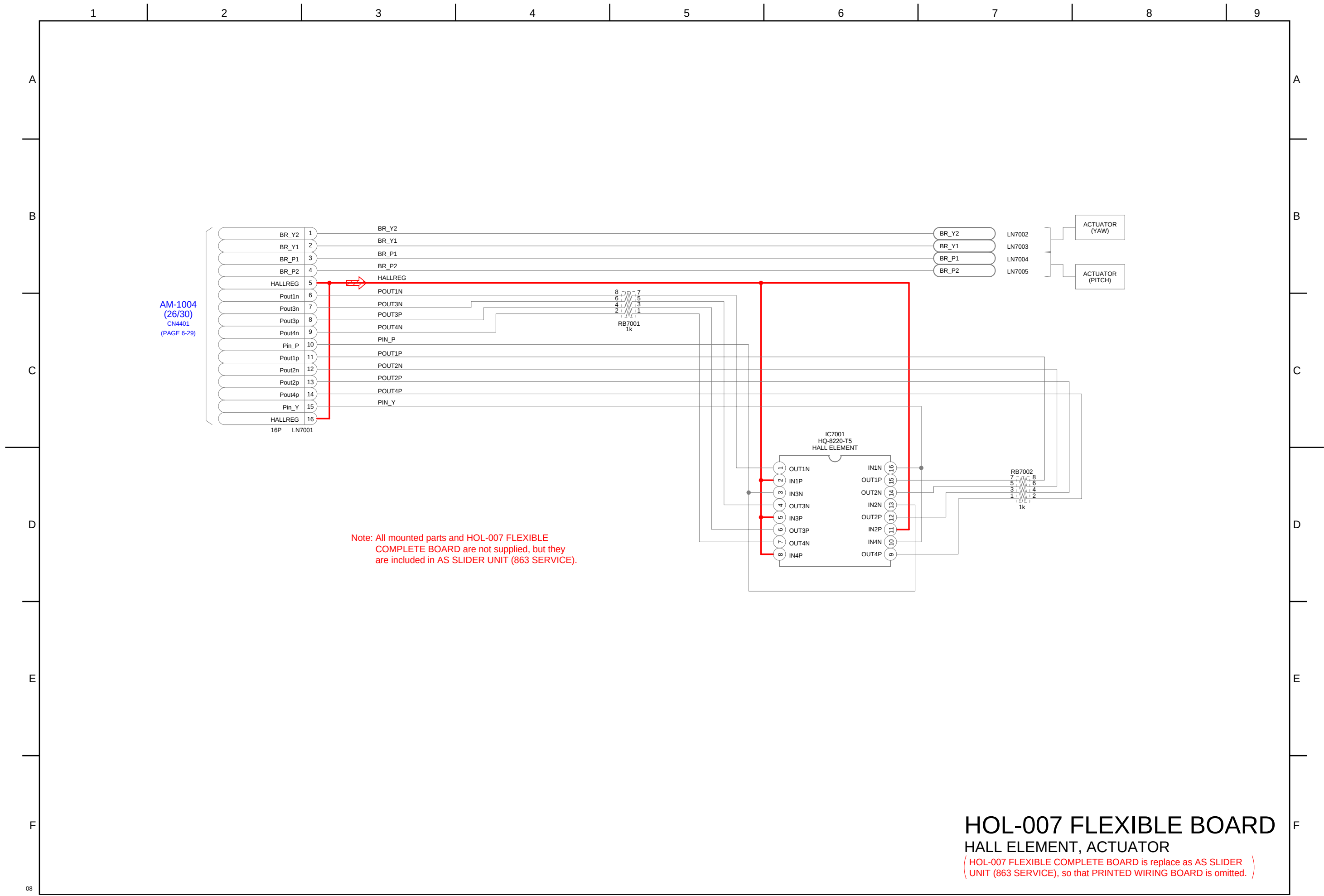


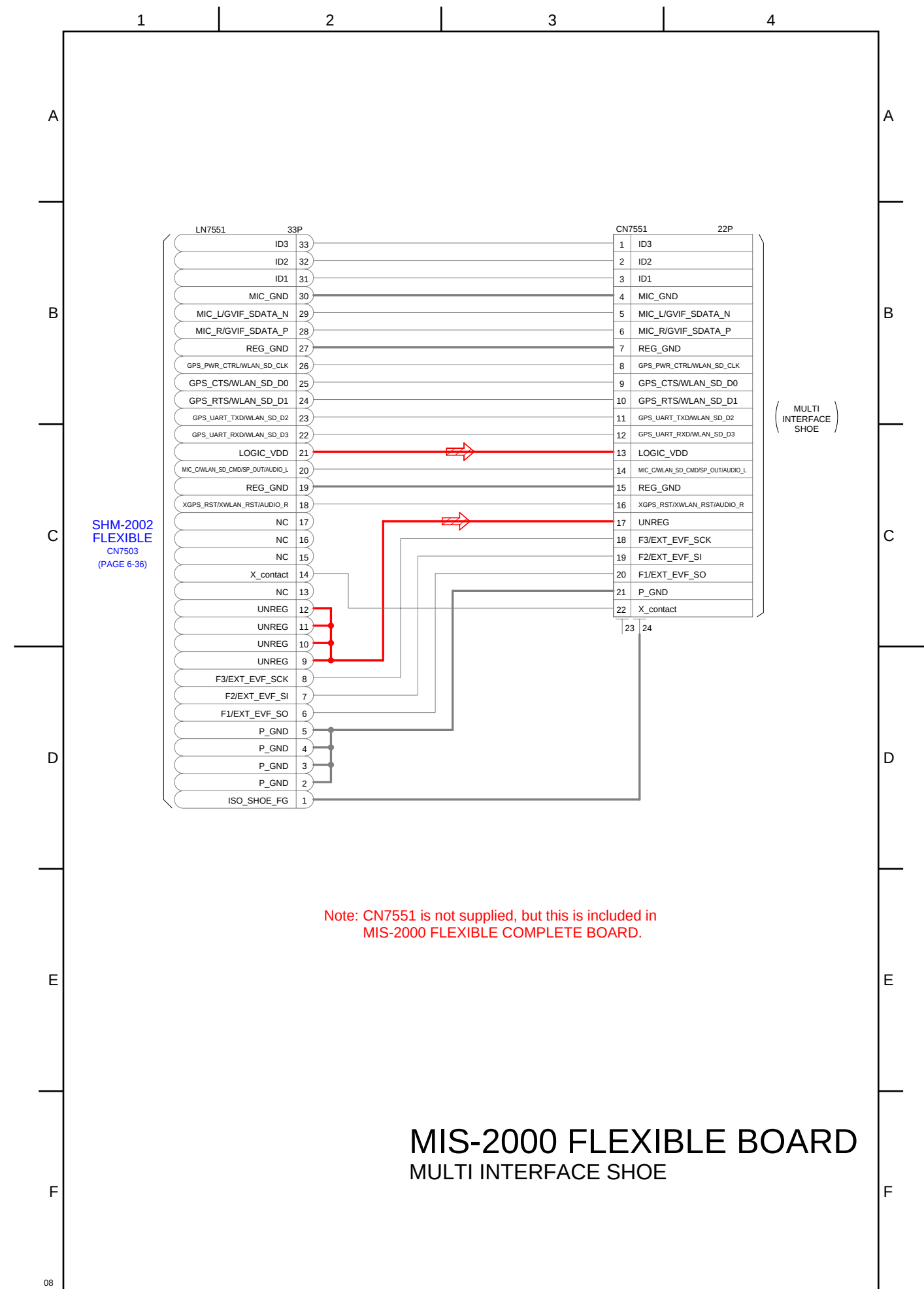
SHM-2002 FLEXIBLE BOARD CONTROL KEYS



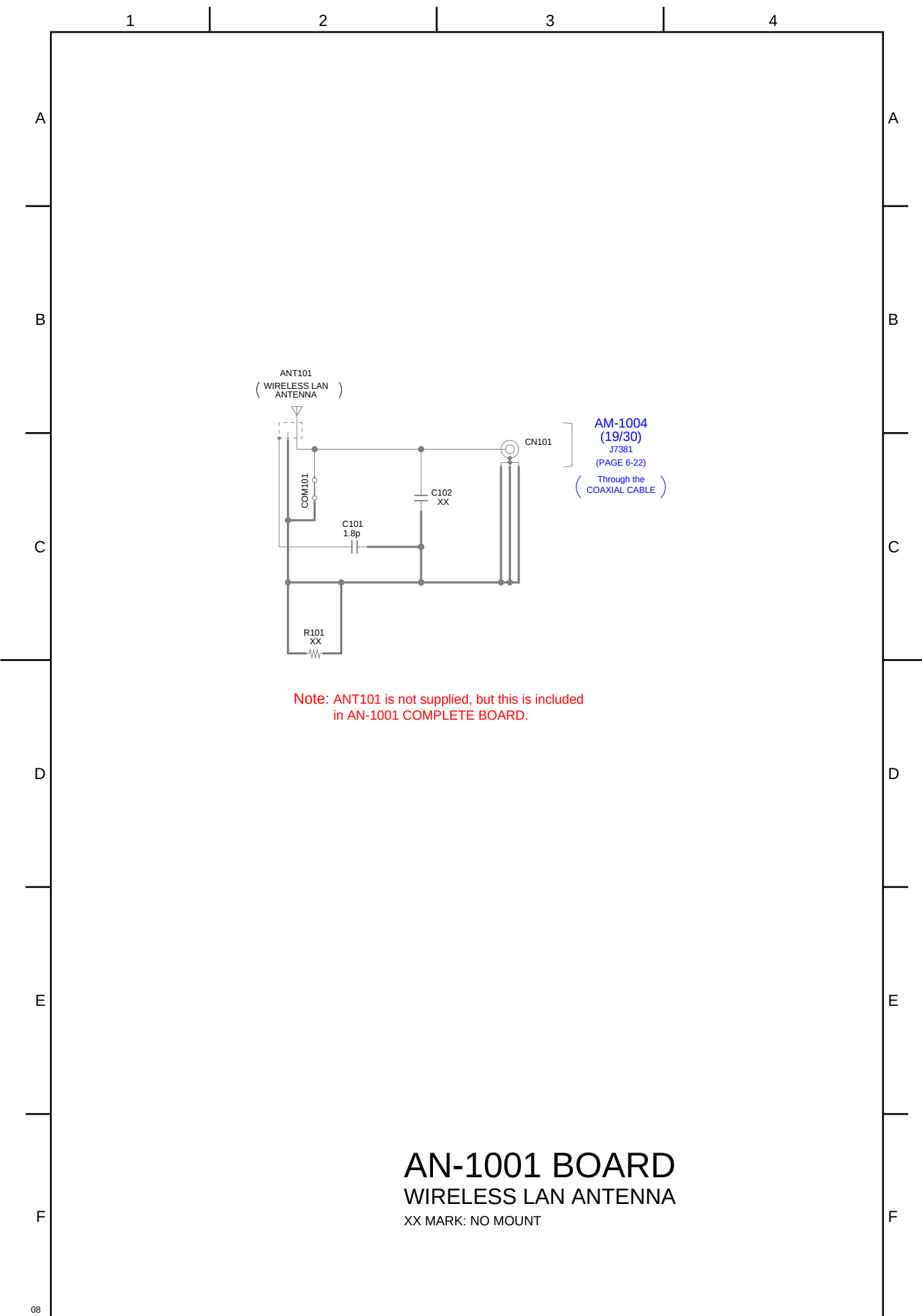


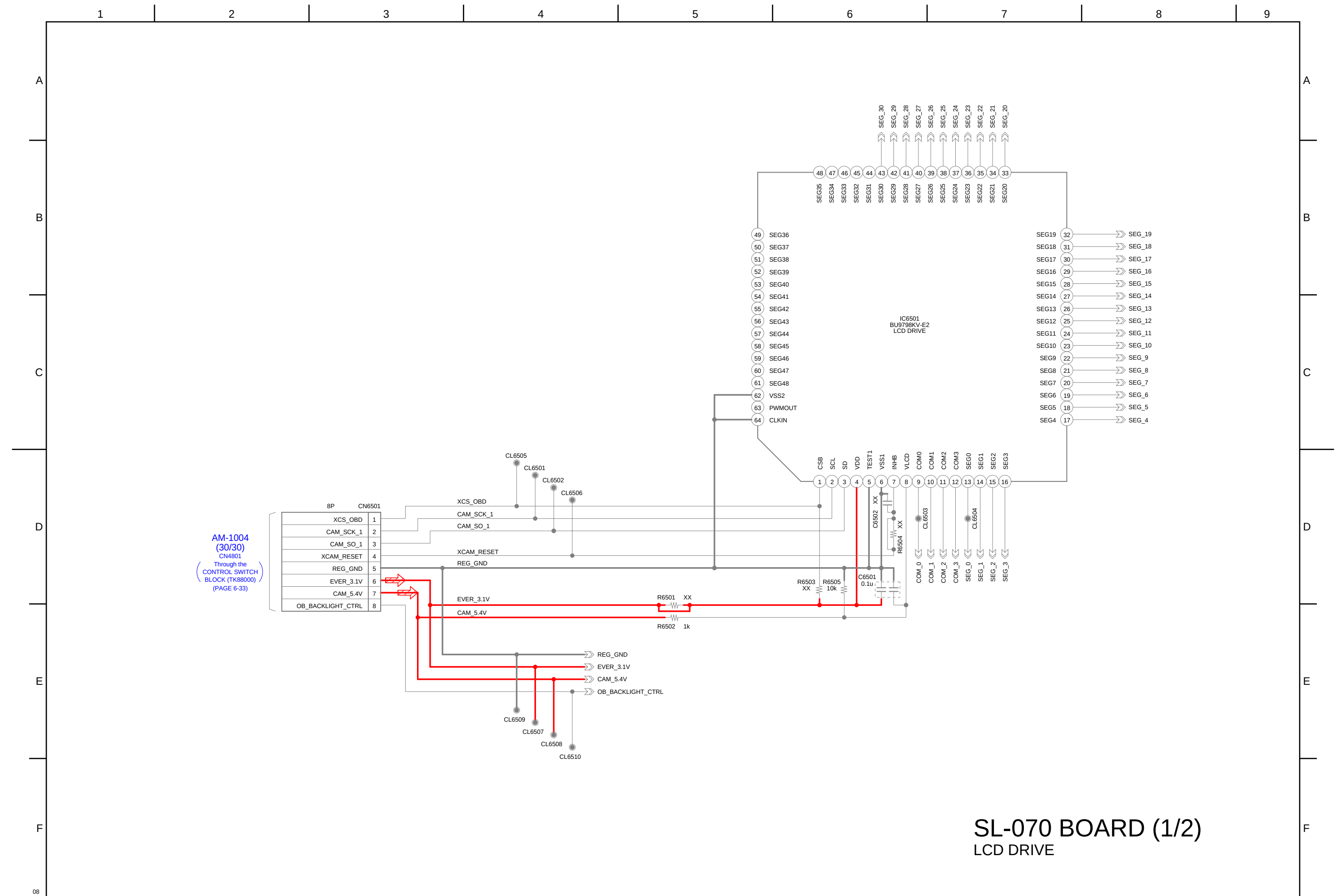


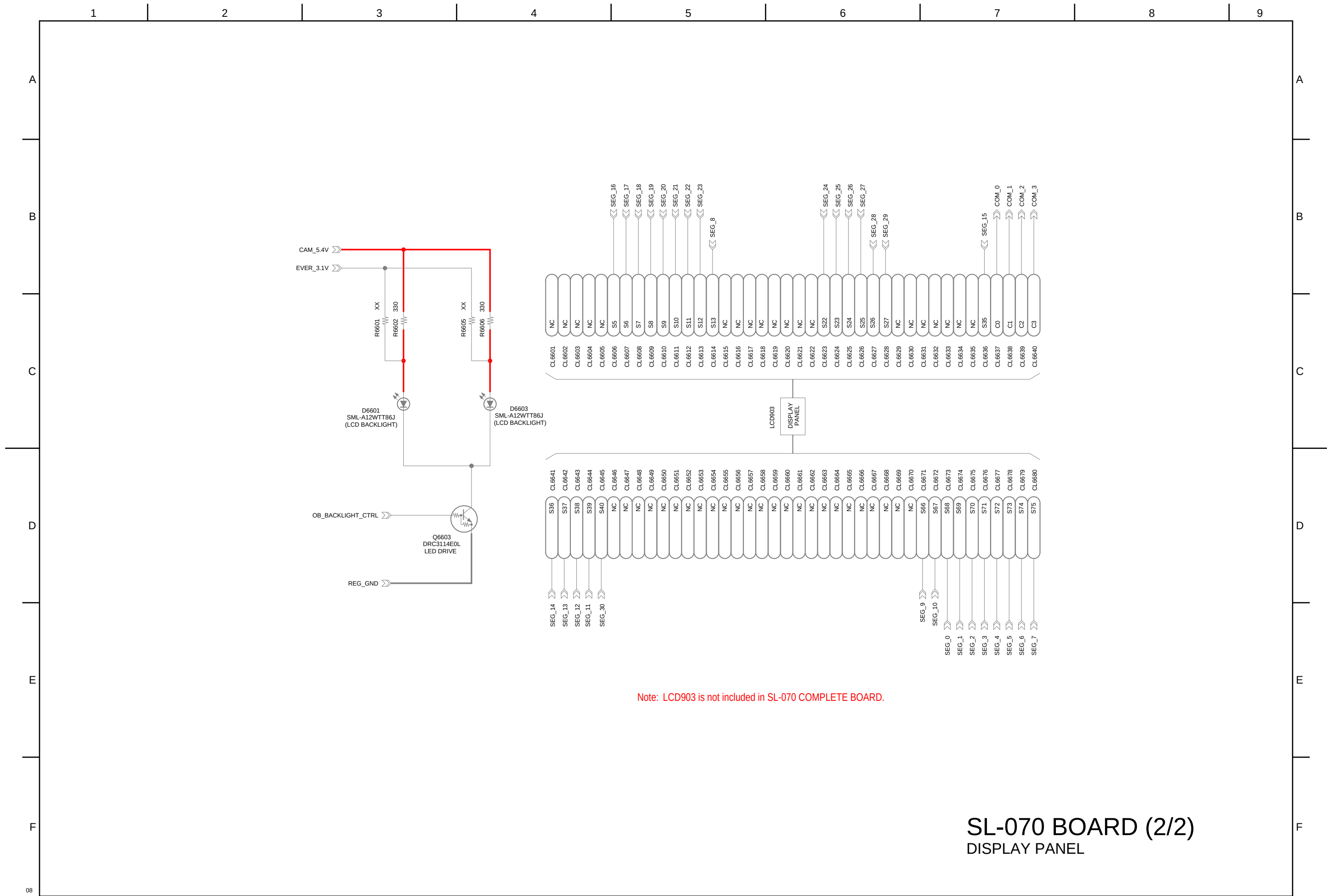


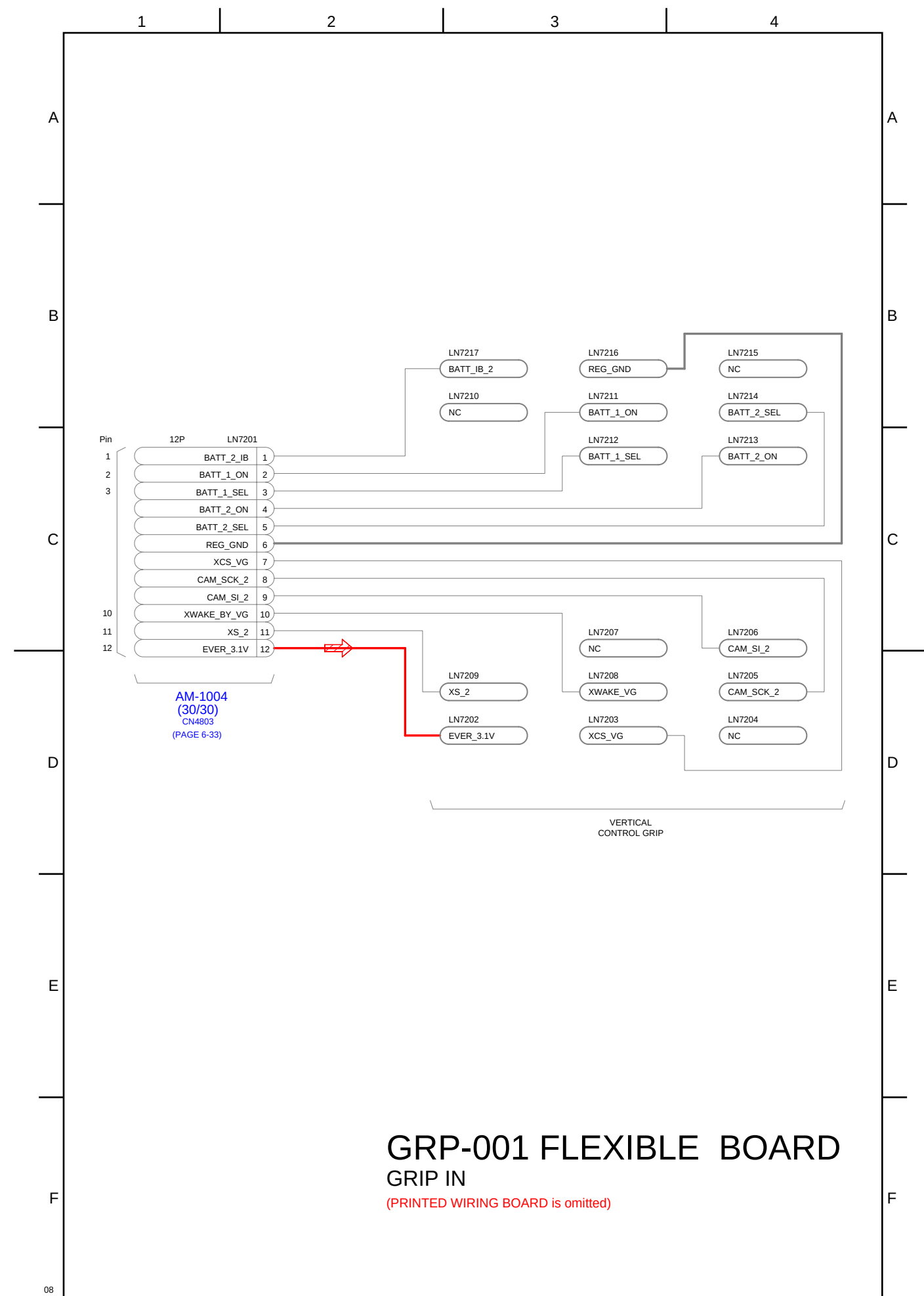


MIS-2000 FLEXIBLE BOARD
MULTI INTERFACE SHOE

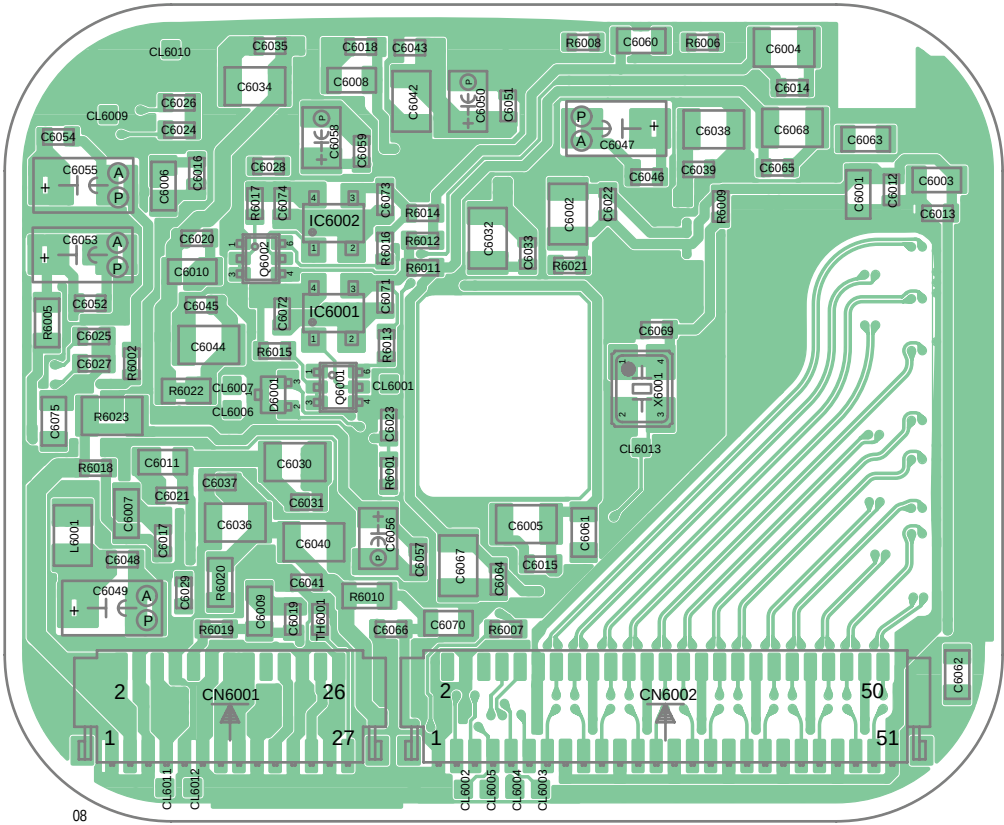






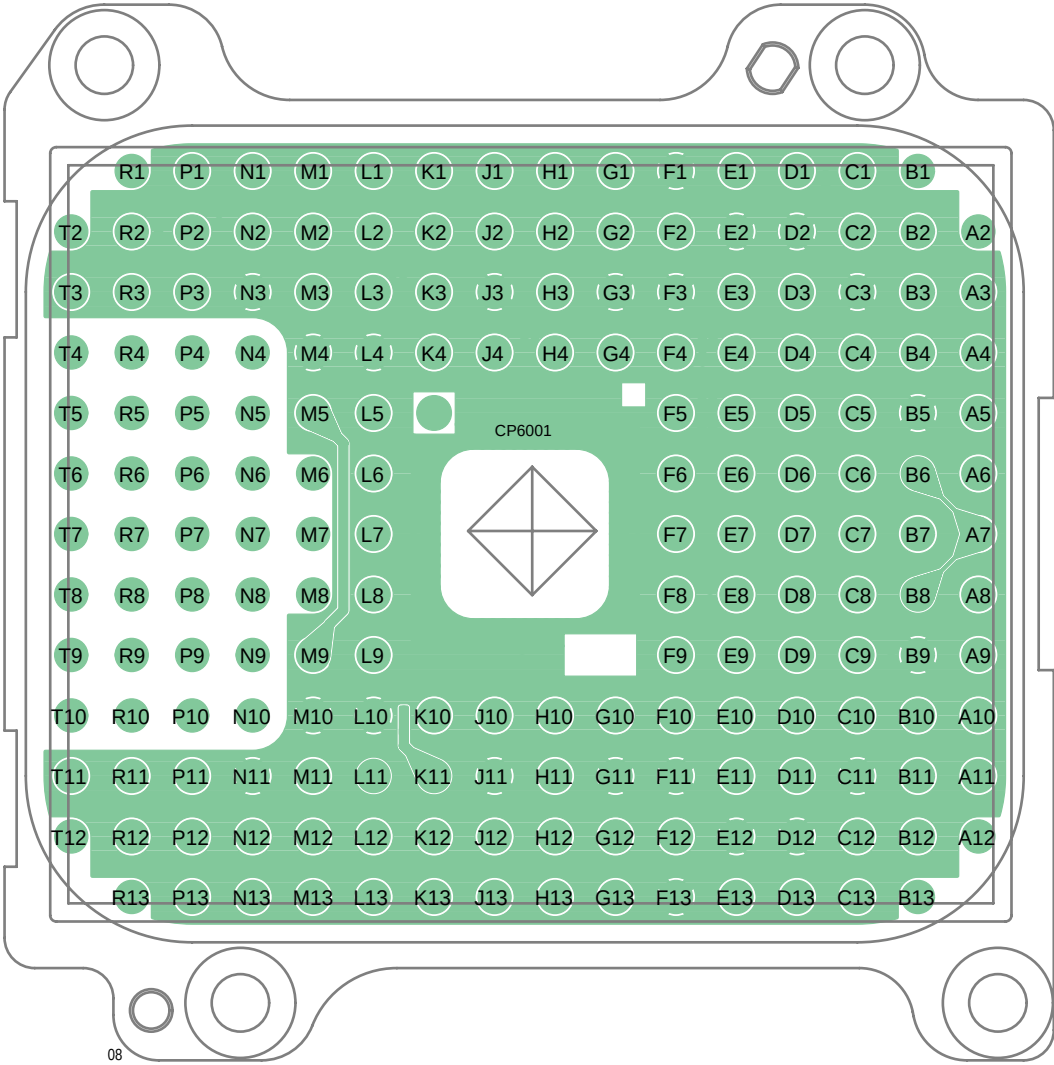


IS-095 BOARD (SIDE A)



1-884-783- 11

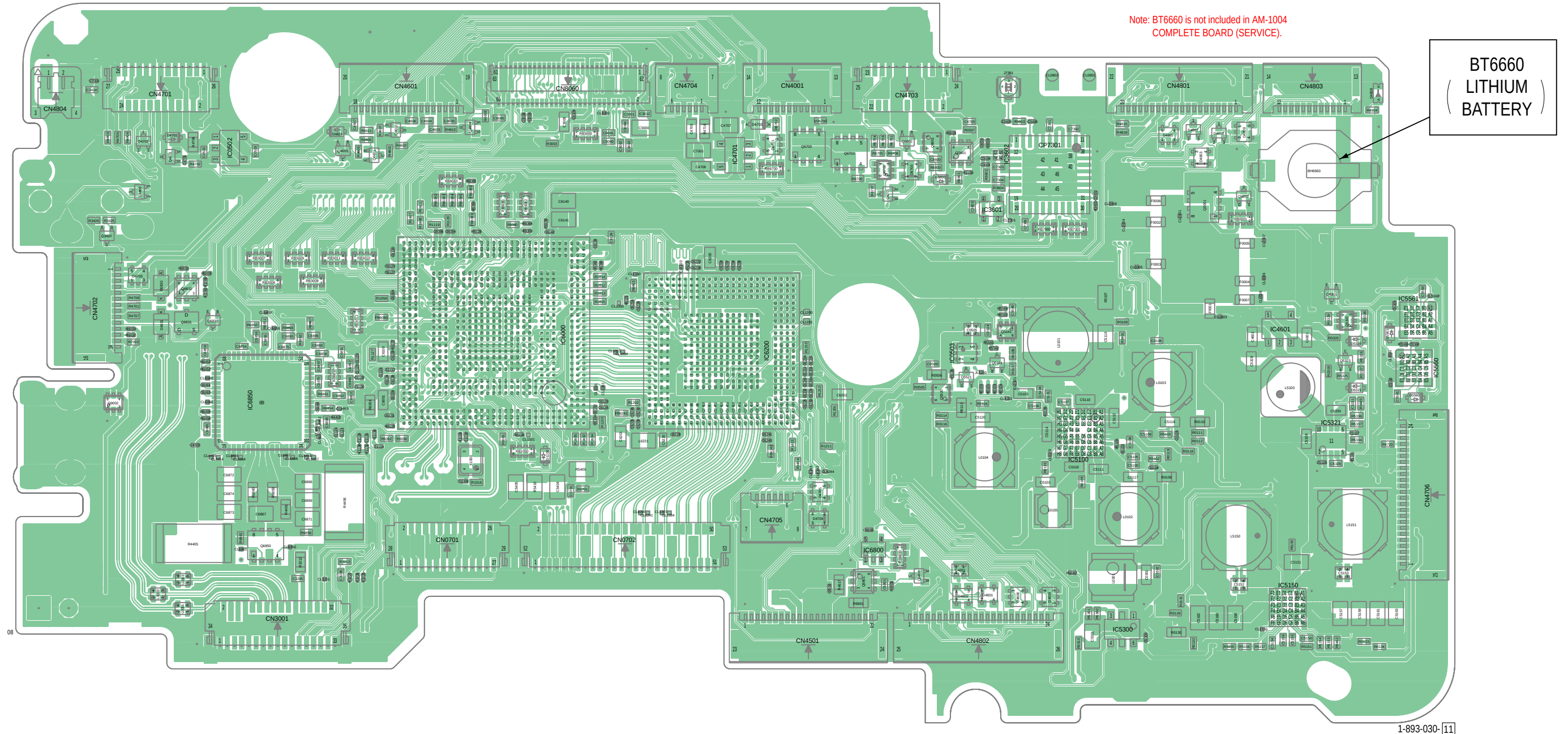
IS-095 BOARD (SIDE B)



1-884-783- 11

Note: All mounted parts and IS-095 COMPLETE BOARD are not supplied, but they are included in IM IMAGER UNIT ASSY (880).

AM-1004 BOARD (SIDE A)



Note: C1009, C1114, C1115, C1117, C1119, C1120, C1121, C1122, C1123, C1124, C1125, C1126, C3009, C3604, C5102, C5300, C6064, C6207, C6208, C6209, C6210, C6220, C6230, C6236, C6240, C6241, C6242, C6850, C6851, C6852, C6853, C6861, C6863, C6870, C6875, CN3001, CP7301, IC3601, IC3602, IC5100, IC6000, IC6200, Q6832, R1130, R1131, R1136, R5100, R5157, R5300, R5301, R5544, R6125, R6126, R6128, R6852, R6853, R6855, R6856 and X1000 are not supplied, but they are included in AM-1004 COMPLETE BOARD (SERVICE).

Caution
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.
Dispose of used batteries according to the instructions.

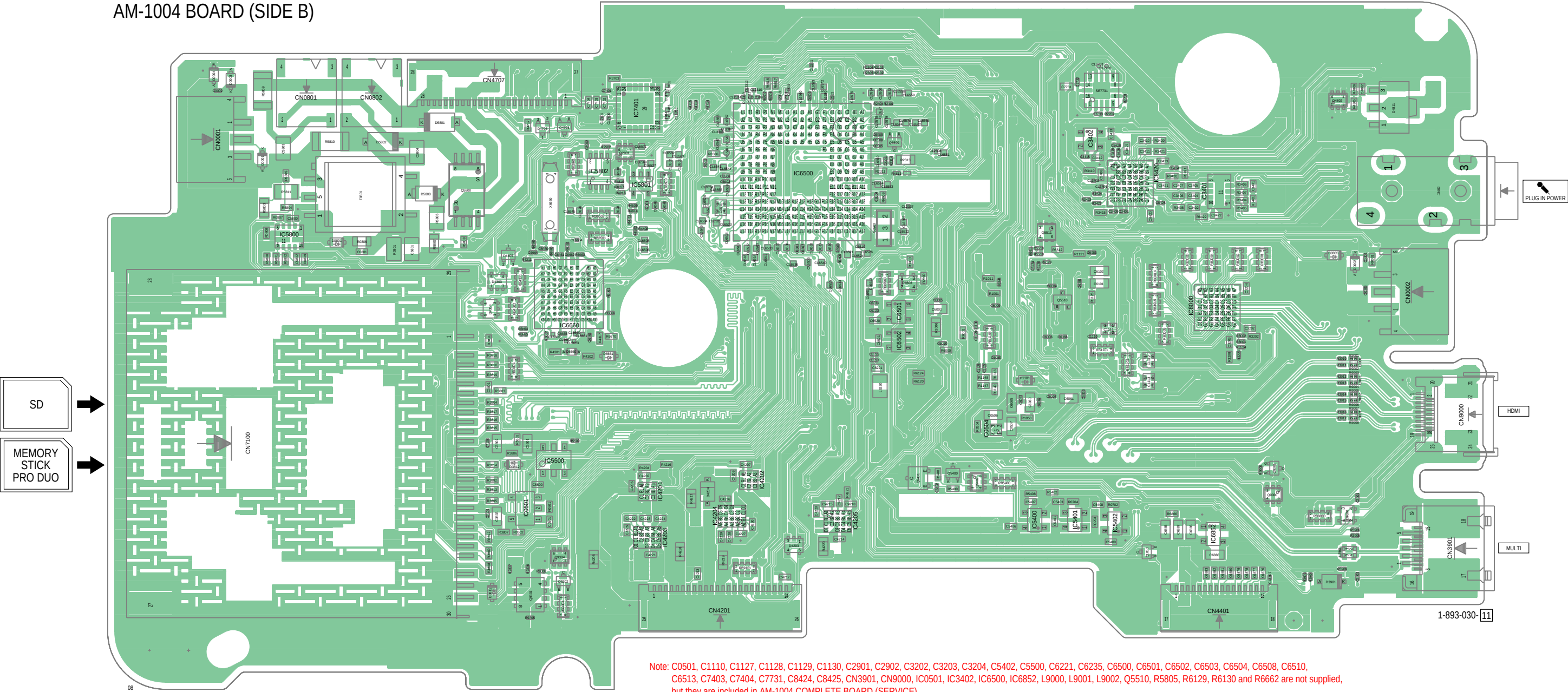
注意 如果电池更换不当会有爆炸危险。 只能用同样类型或等效类型的电池来更换。 务必按照说明处置用完的电池。
--

注意
電池の交換は、正しく行わないと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。
使用済み電池は、取扱指示に従って処分してください。

Note: Replace the battery holder (BH6660) together when replacing the lithium secondary battery (BT6660) on the AM-1004 board. (The battery holder removed once cannot be used again.) When mounting these parts, mount new battery holder first and attach new lithium storage battery next.

Note: AM-1004基板のリチウム蓄電池 (BT6660) を交換する場合はバッテリーホルダ (BH6660) も同時に新品に交換してください。(一度使用したバッテリーホルダは再使用できません。) 部品取り付けの際は、先にバッテリーホルダを取り付けてからリチウム蓄電池を装着してください。

AM-1004 BOARD (SIDE B)

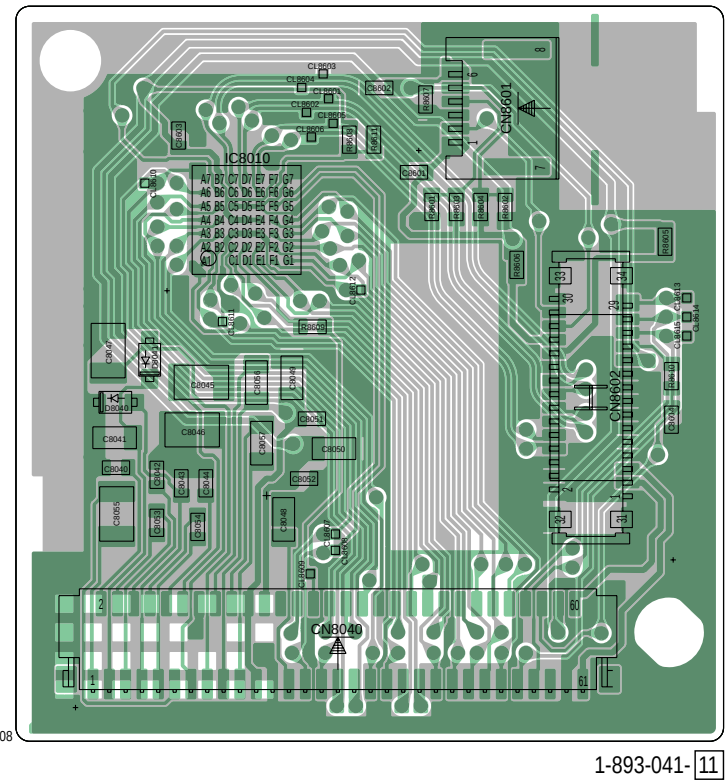


Note: C0501, C1110, C1127, C1128, C1129, C1130, C2901, C2902, C3202, C3203, C3204, C5402, C5500, C6221, C6235, C6500, C6501, C6502, C6503, C6504, C6508, C6510, C6513, C7403, C7404, C7731, C8424, C8425, CN3901, CN9000, IC0501, IC3402, IC6500, IC6852, L9000, L9001, L9002, Q5510, R5805, R6129, R6130 and R6662 are not supplied, but they are included in AM-1004 COMPLETE BOARD (SERVICE).

EYE-012 FLEXIBLE BOARD

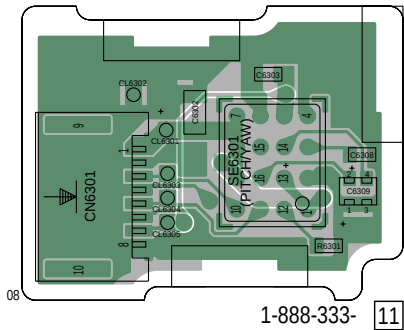


PD-1039 BOARD



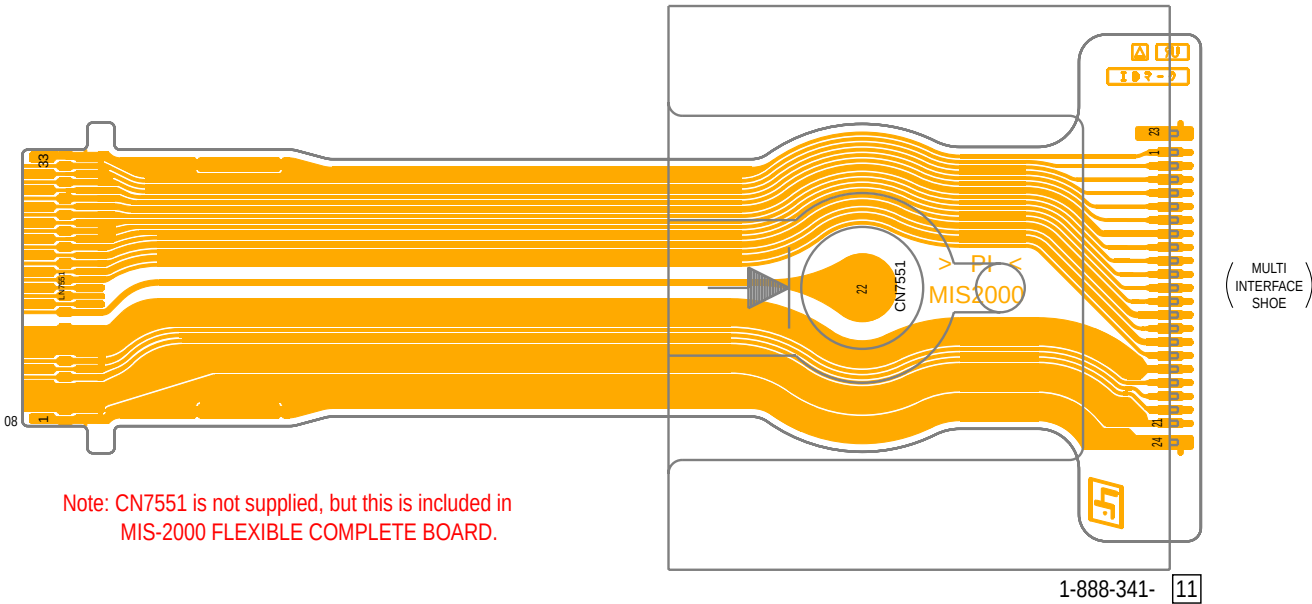
Note: C8602 is not supplied, but this is included in PD-1039 COMPLETE BOARD.

GO-1002 BOARD



Note: SE6301 is not supplied, but this is included in GO-1002 COMPLETE BOARD.

MIS-2000 FLEXIBLE BOARD



Note: CN7551 is not supplied, but this is included in MIS-2000 FLEXIBLE COMPLETE BOARD.

[illegible]

Diagram of the SHM-2002 Flexible Complete Board. The board is a complex, multi-layered flexible circuit with numerous orange conductive traces. Key components and labels include:

- SHM-2002**: The main board identifier.
- PL901 (PLUNGER)**: A component located near the center of the board.
- S7501 (POP-UP DETECT)**: A component located on the right side of the board.
- S7502 (FLASH POP-UP)**: A component located on the right side of the board, near S7501.
- CON7502**: A component located at the bottom of the board.
- 1-893 -042**: A label on the left side of the board.
- ID MARK**: A label on the left side of the board.
- > P1 <**: A label on the left side of the board.

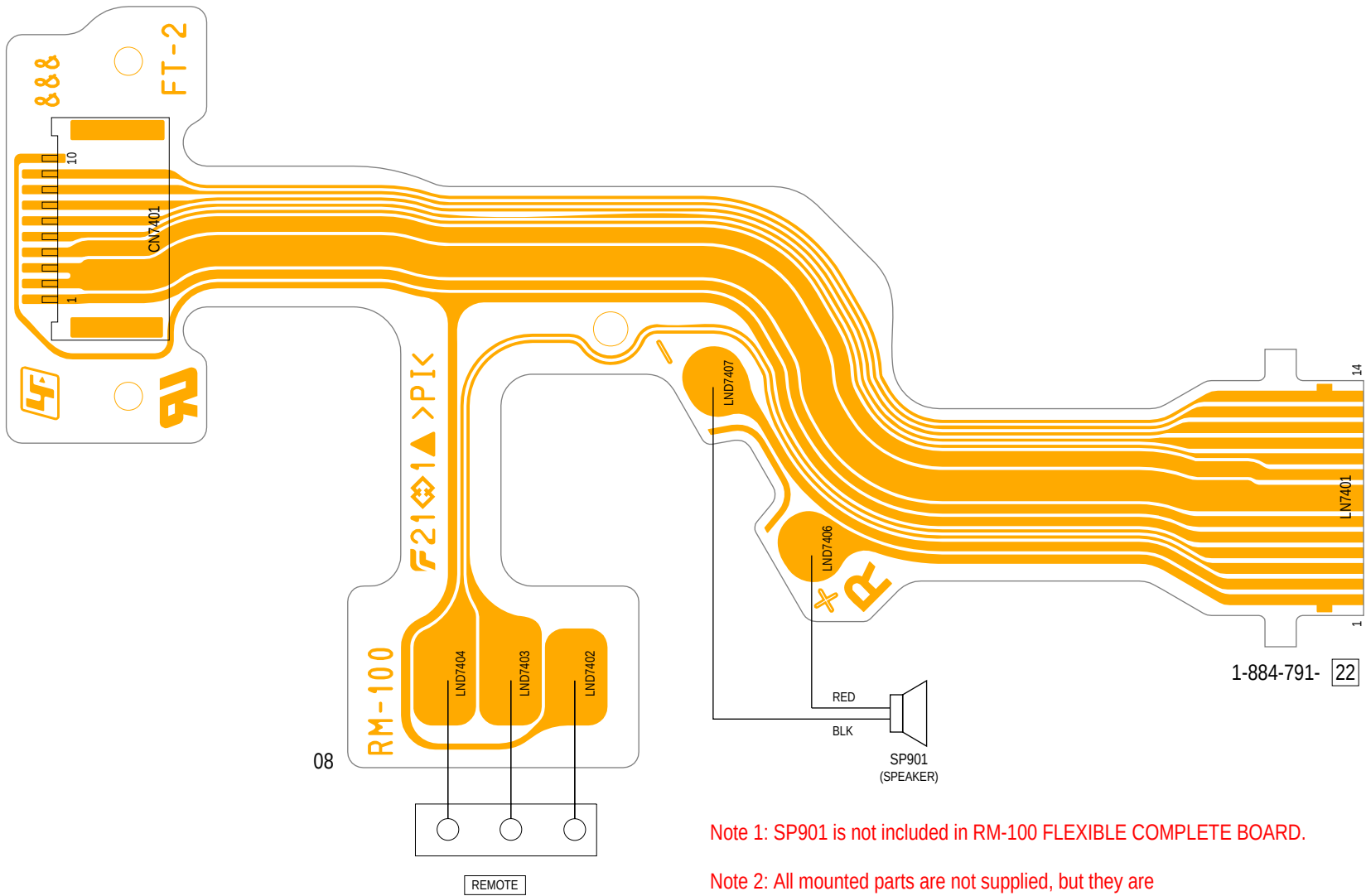
Notes:

- Note: S7502 is not supplied, but this is included in SHM-2002 FLEXIBLE COMPLETE BOARD.
- Note: PL901 is not included in SHM-2002 FLEXIBLE COMPLETE BOARD.

1-893-042-11

Note: PL901 is not included in SHM-2002 FLEXIBLE COMPLETE BOARD.

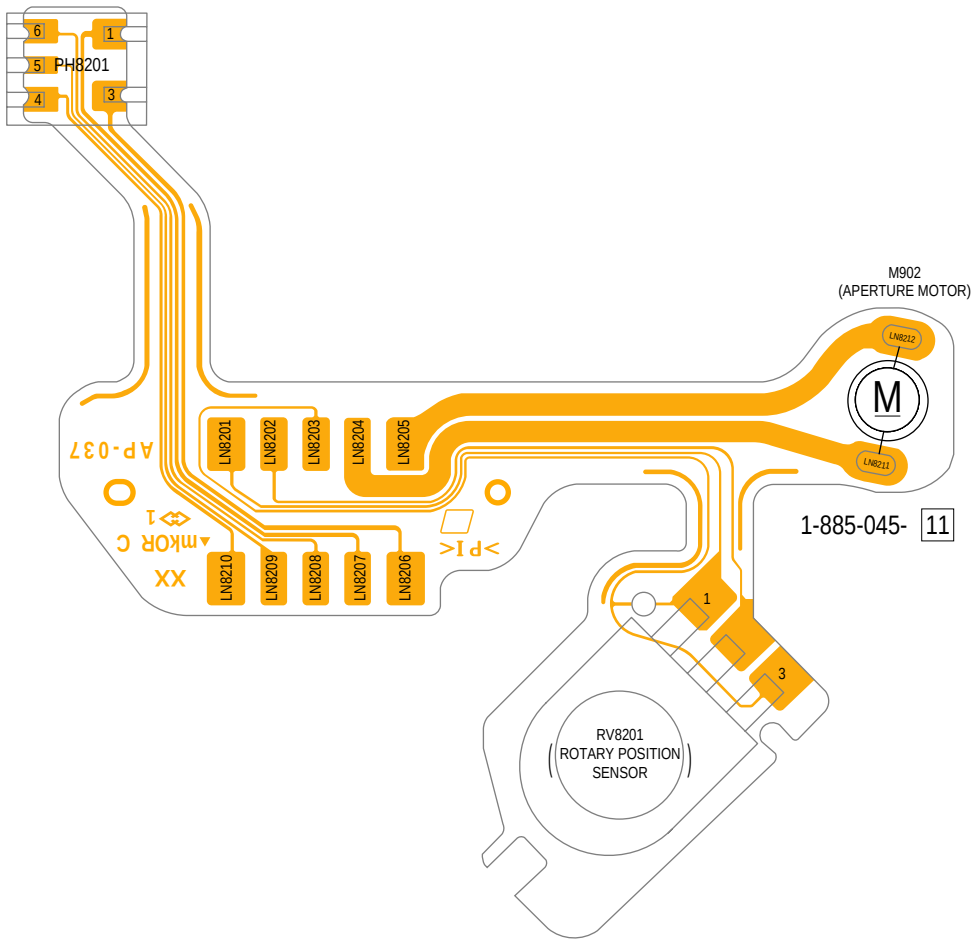
RM-100 FLEXIBLE BOARD



Note 1: SP901 is not included in RM-100 FLEXIBLE COMPLETE BOARD.

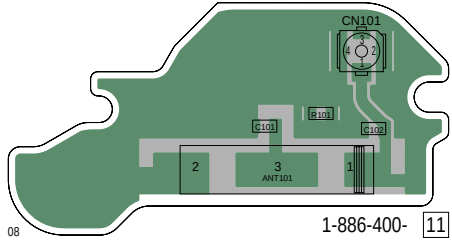
Note 2: All mounted parts are not supplied, but they are included in RM-100 FLEXIBLE BOARD, COMPLETE.

AP-037 FLEXIBLE BOARD



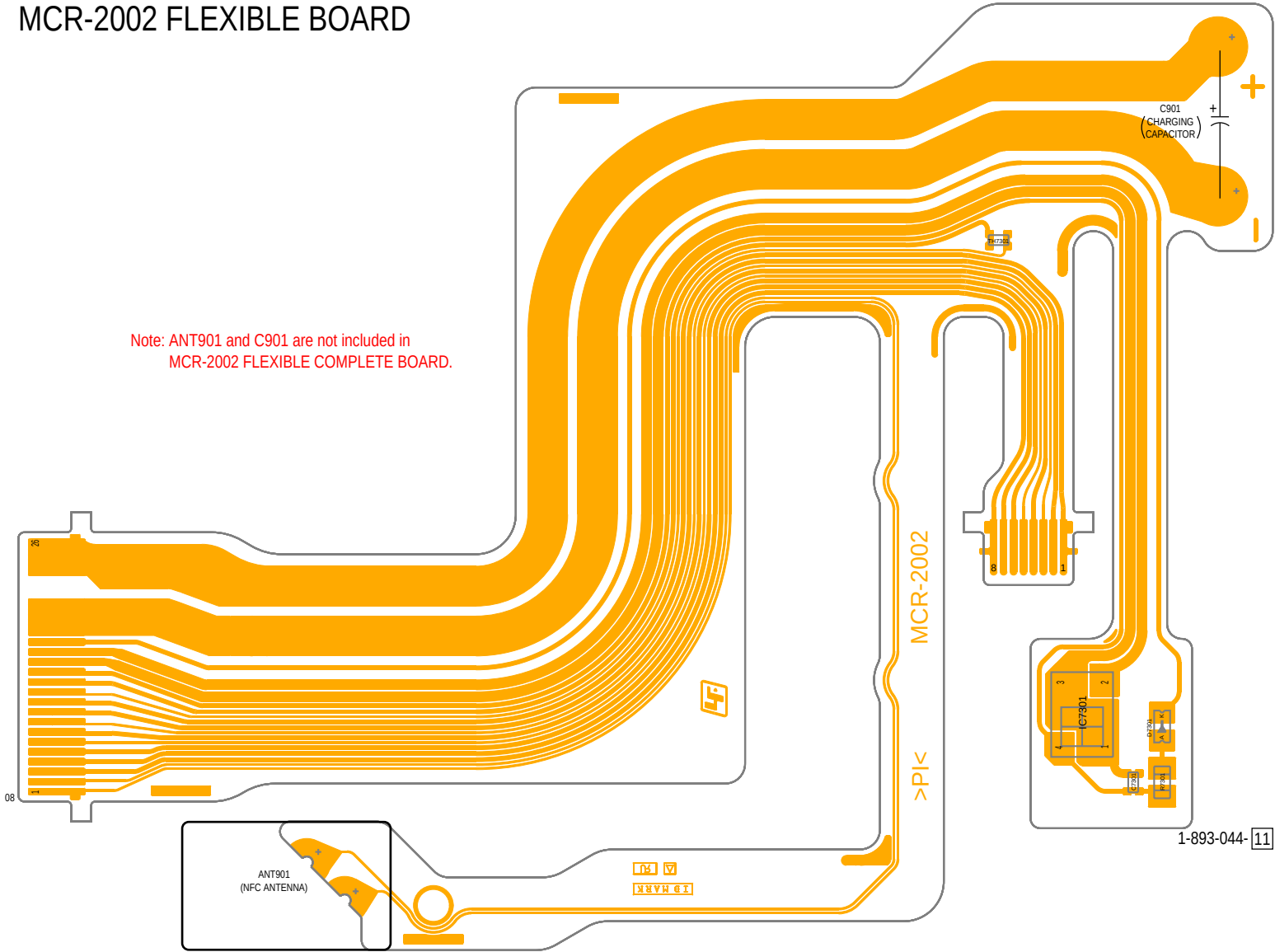
Note: All mounted parts and AP-037 FLEXIBLE COMPLETE BOARD are not supplied, but they are included in AP APERTURE UNIT (SERVICE).

AN-1001 BOARD

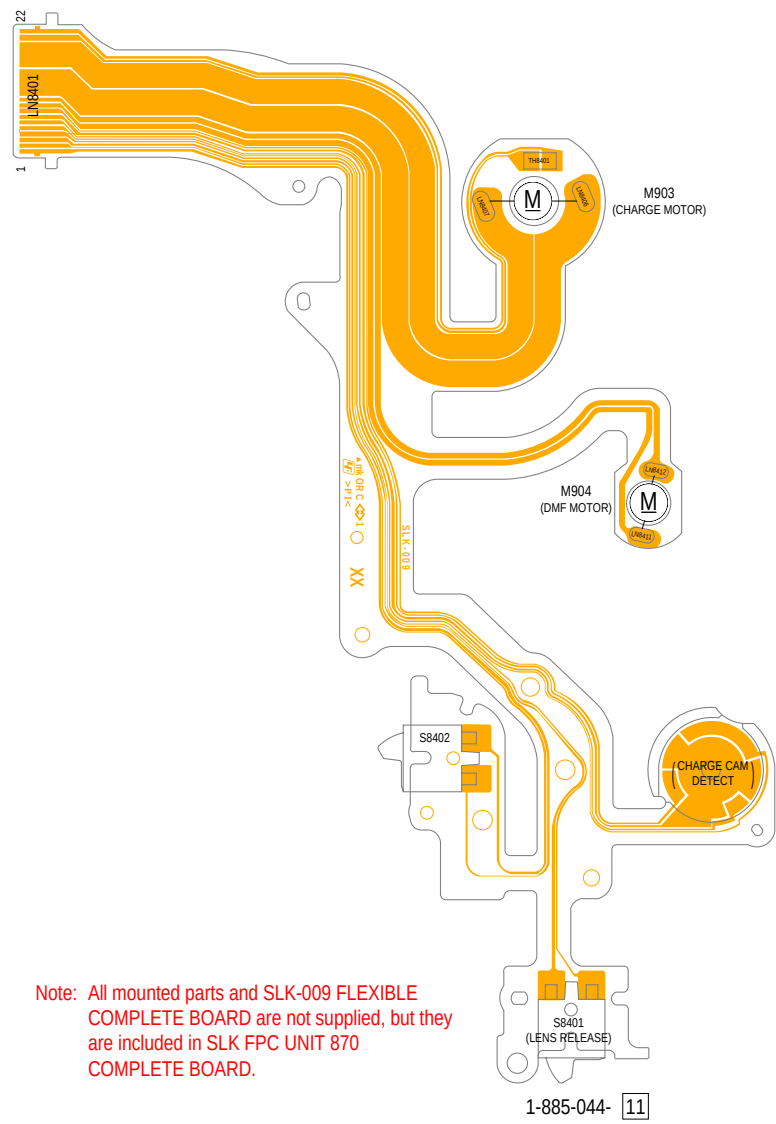


Note: ANT101 is not supplied,
but this is included in AN-1001
COMPLETE BOARD.

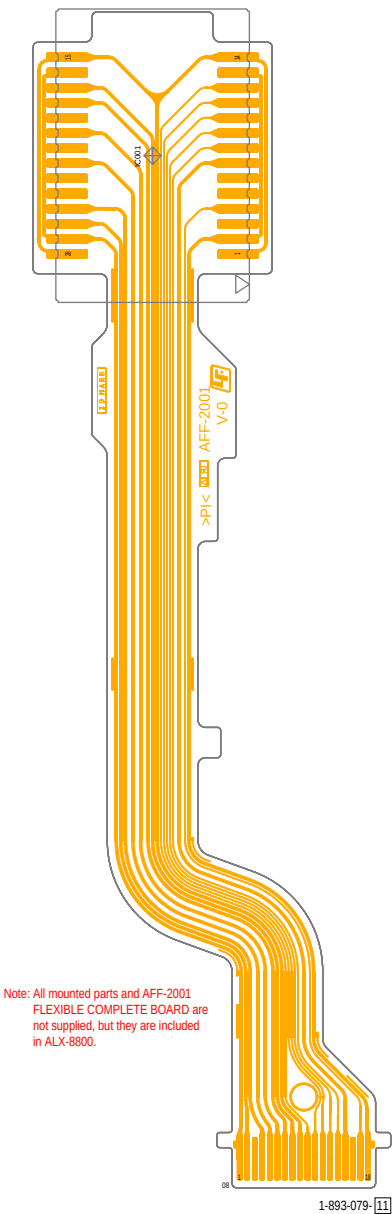
MCR-2002 FLEXIBLE BOARD



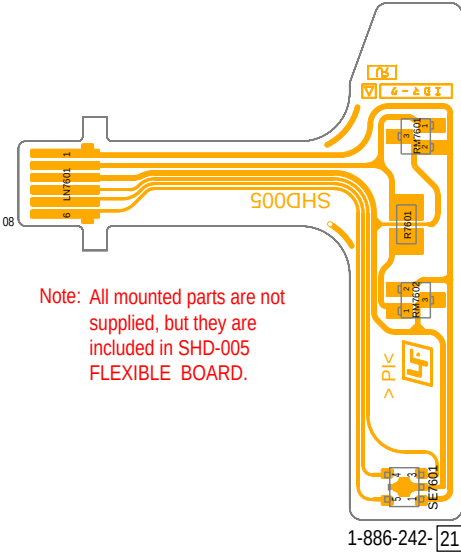
SLK-009 FLEXIBLE BOARD



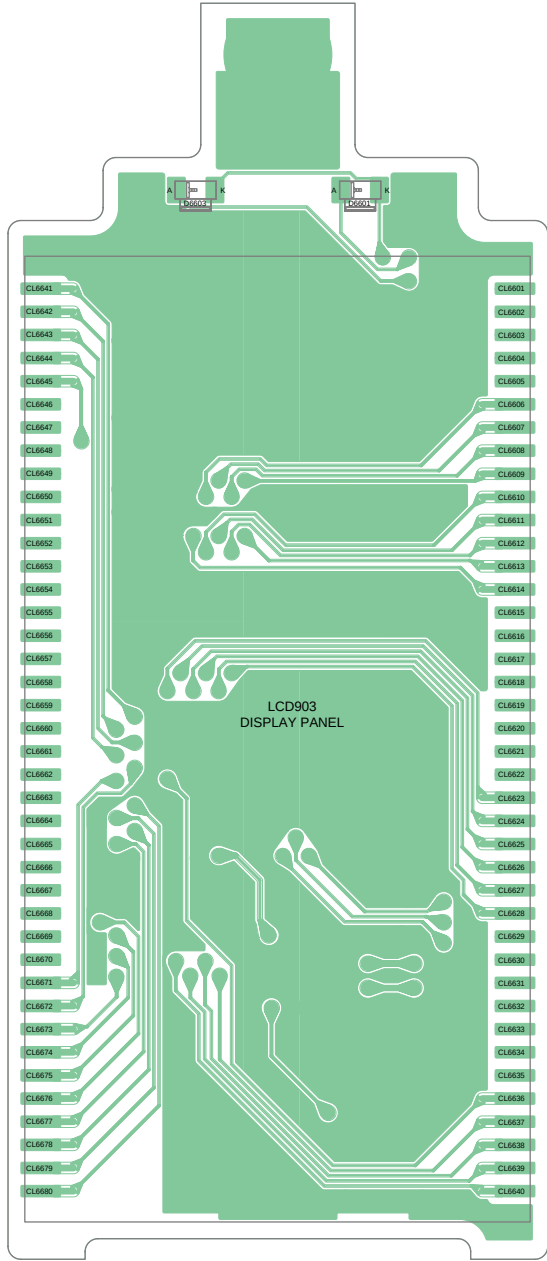
AFF-2001 FLEXIBLE BOARD



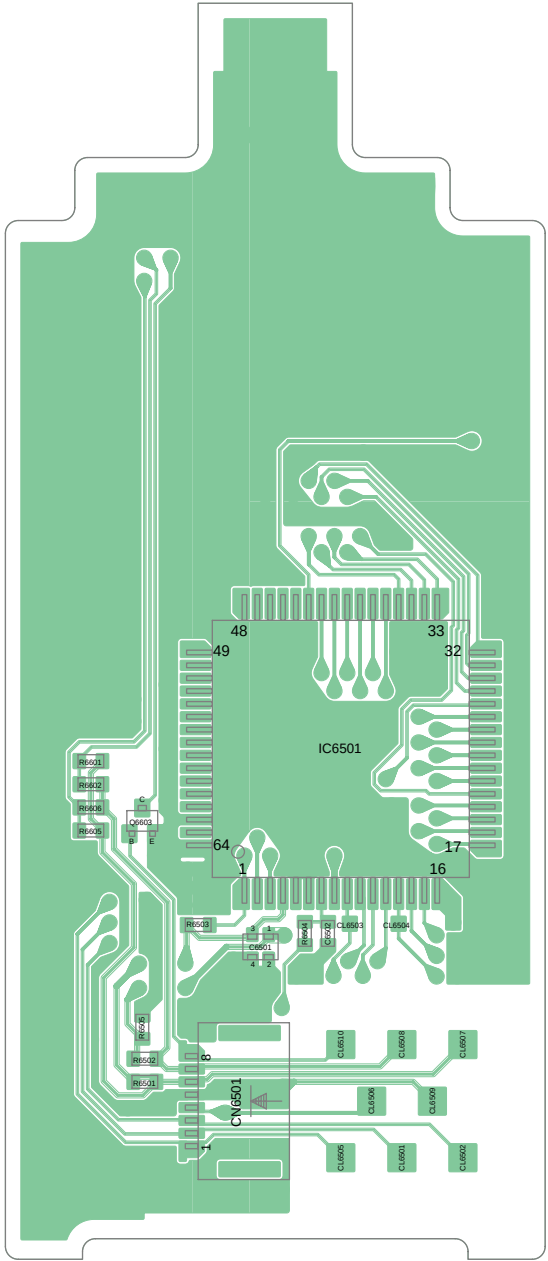
SHD-005 FLEXIBLE BOARD



SL-070 BOARD (SIDE A)



SL-070 BOARD (SIDE B)



Note: LCD903 is not included in SL-070 COMPLETE BOARD.