SM-PSP-3083E-01

PSP-2000 series TA-085

BOARD SERVICE MANUAL 1st edition Level 3

Sony Computer Entertainment Inc.
CS Department
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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, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the power cable for cracks and abrasion. Recommend the replacement of any such power cable to the customer.
6. Check the B+ voltage to see it is at the values specified.
7. Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
   Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers.).
Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

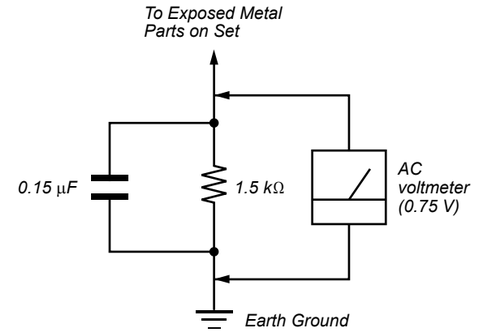


Fig. A. Using an AC voltmeter to check AC leakage.

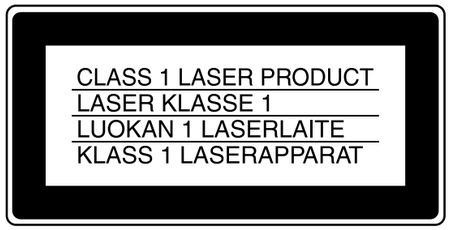
SAFETY-RELATED COMPONENT WARNING!!

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 SÉURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE 0 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.

CAUTION
The use of optical instruments with this product will increase eye hazard. As the laser beam used in this UMD Drive is harmful to eyes, do not attempt disassemble the cabinet.
Refer servicing to qualified personnel only.



This appliance is classified as a CLASS 1 LASER product under IEC60825-1:2001.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 25 cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

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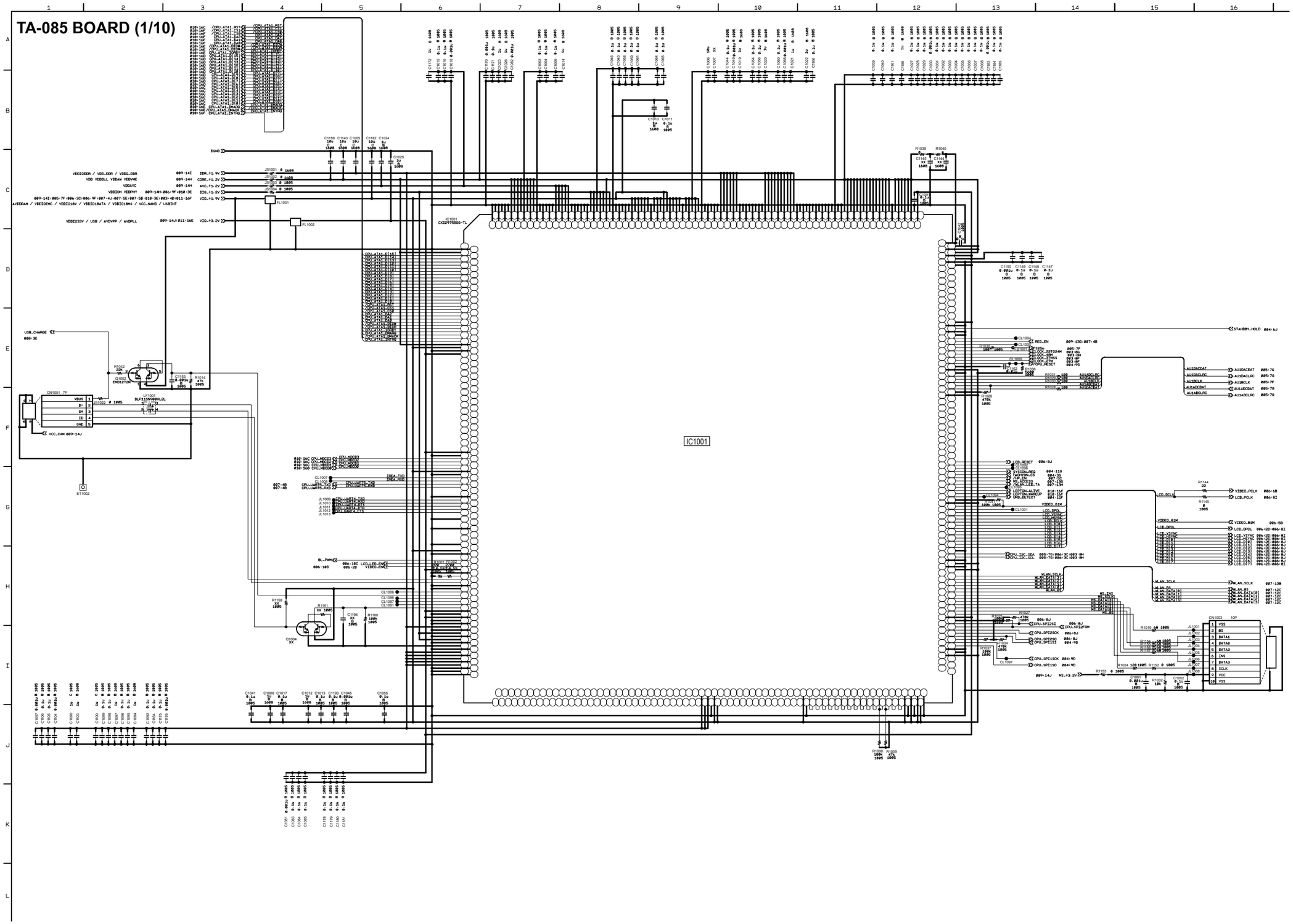
SECTION 1
CIRCUIT DIAGRAM

Note on Schematic Diagram:

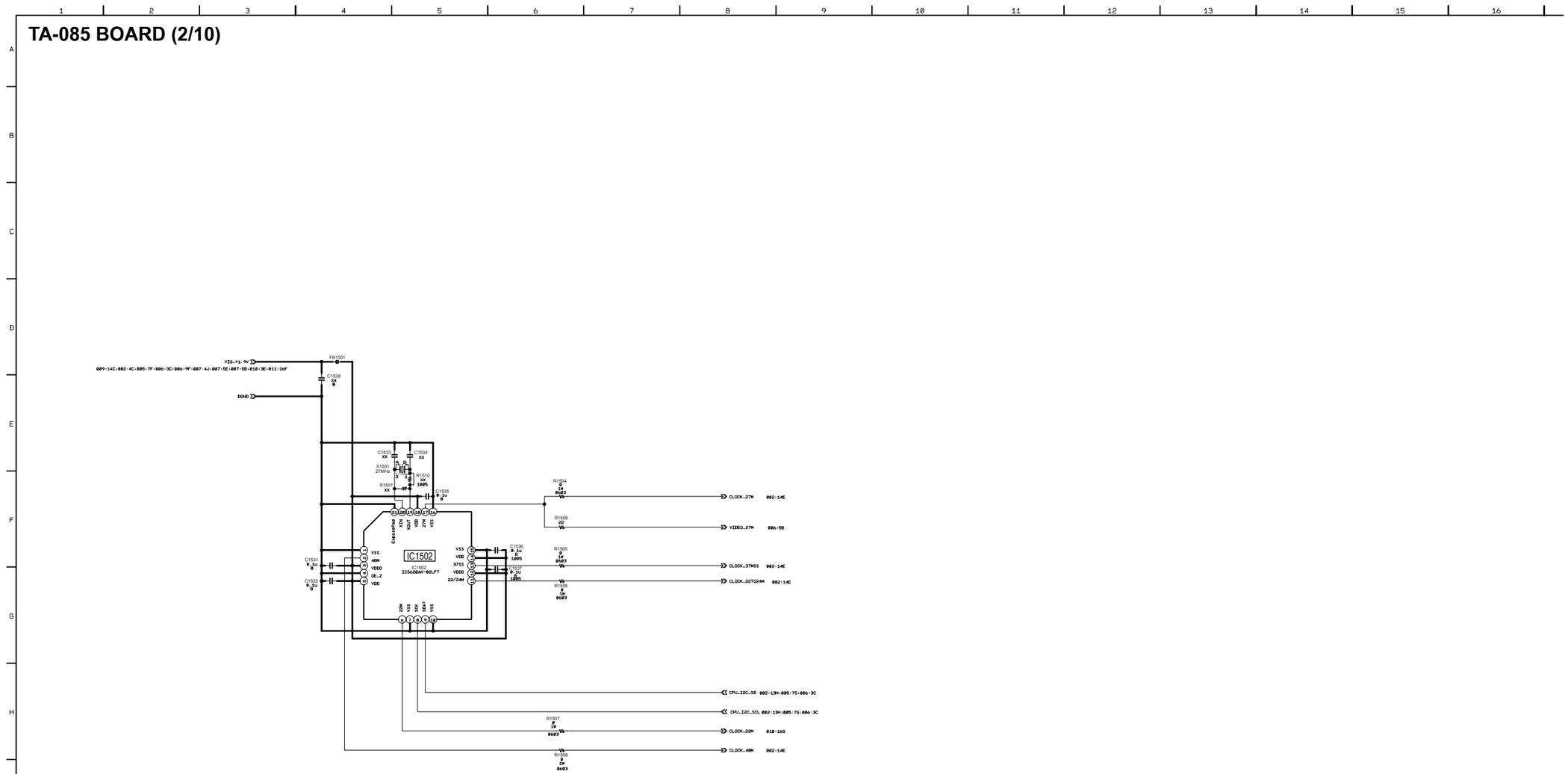
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.

Note:	**Note:**
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 piéce portant le numéro spécifié.

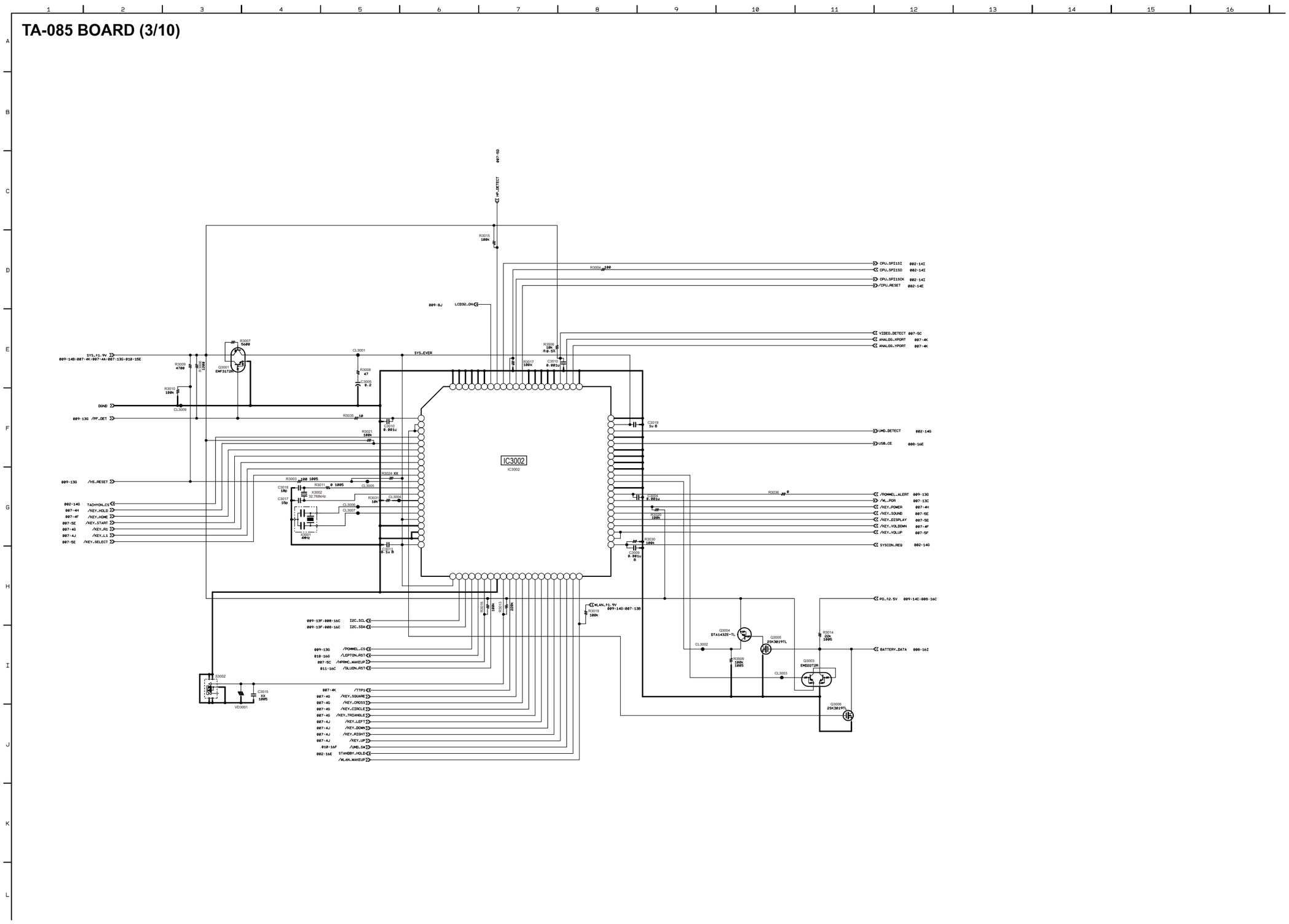
1-1. TA-085 BOARD (1/10)



1-2. TA-085 BOARD (2/10)



1-3. TA-085 BOARD (3/10)



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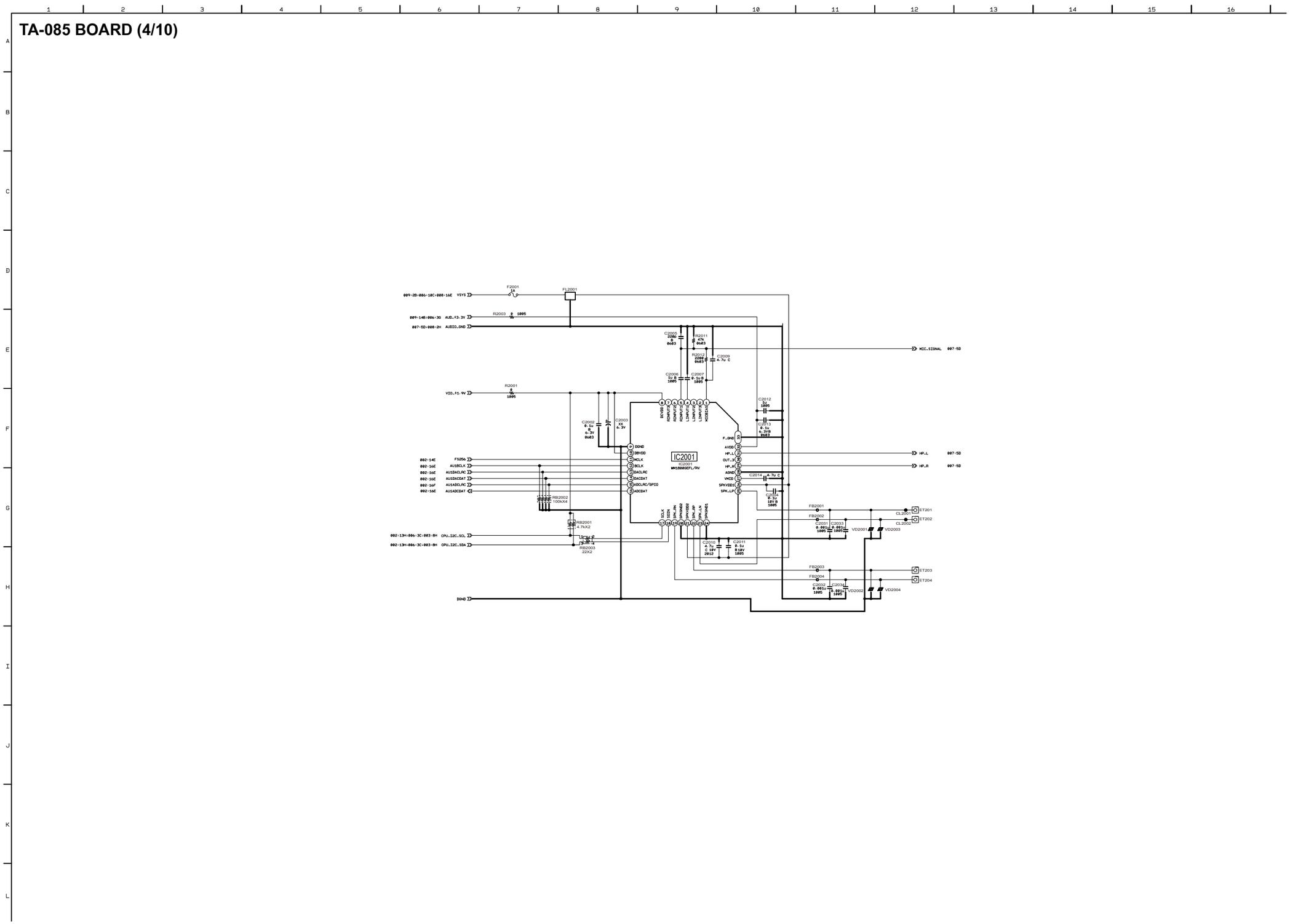
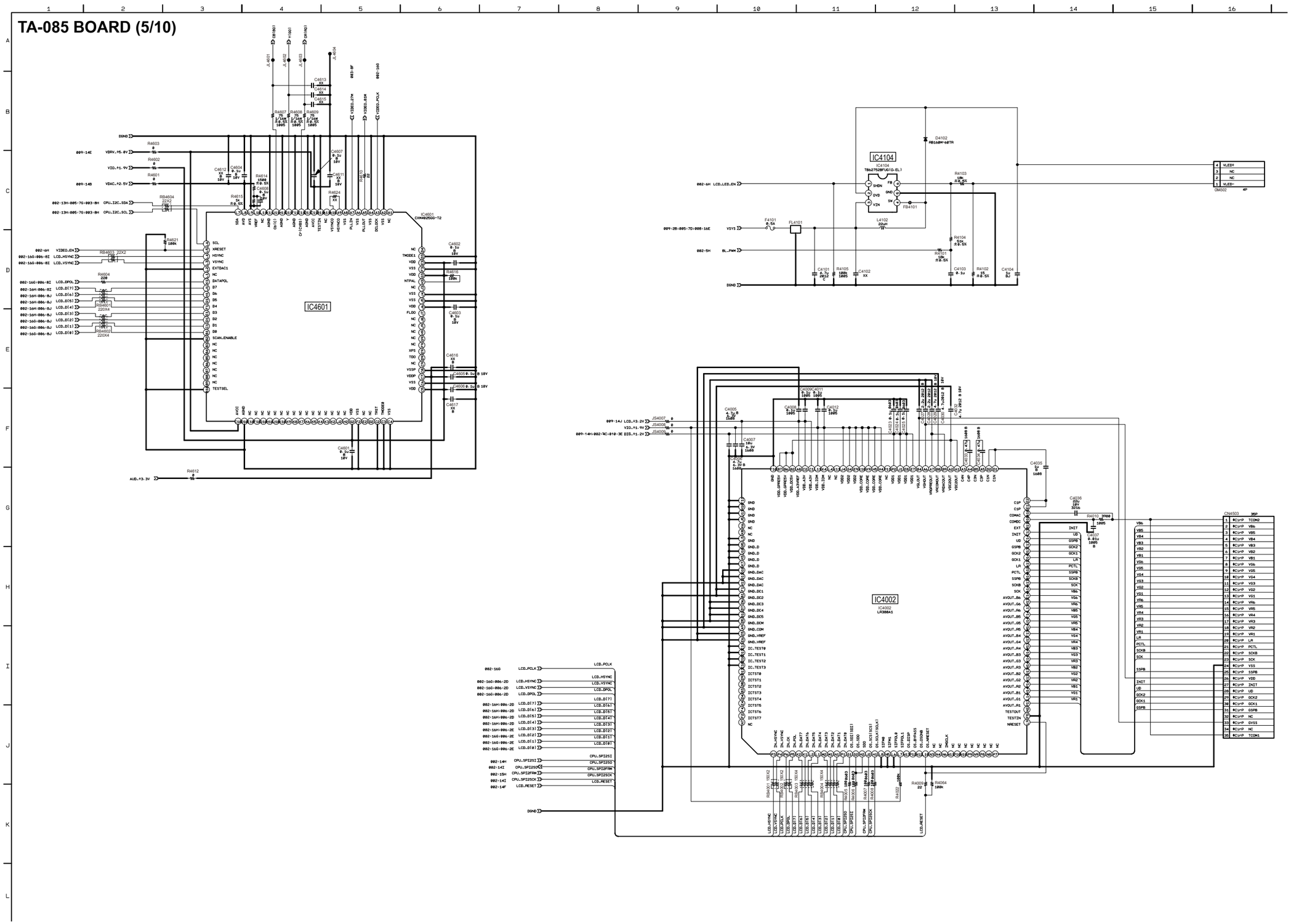


1-5. TA-085 BOARD (5/10)



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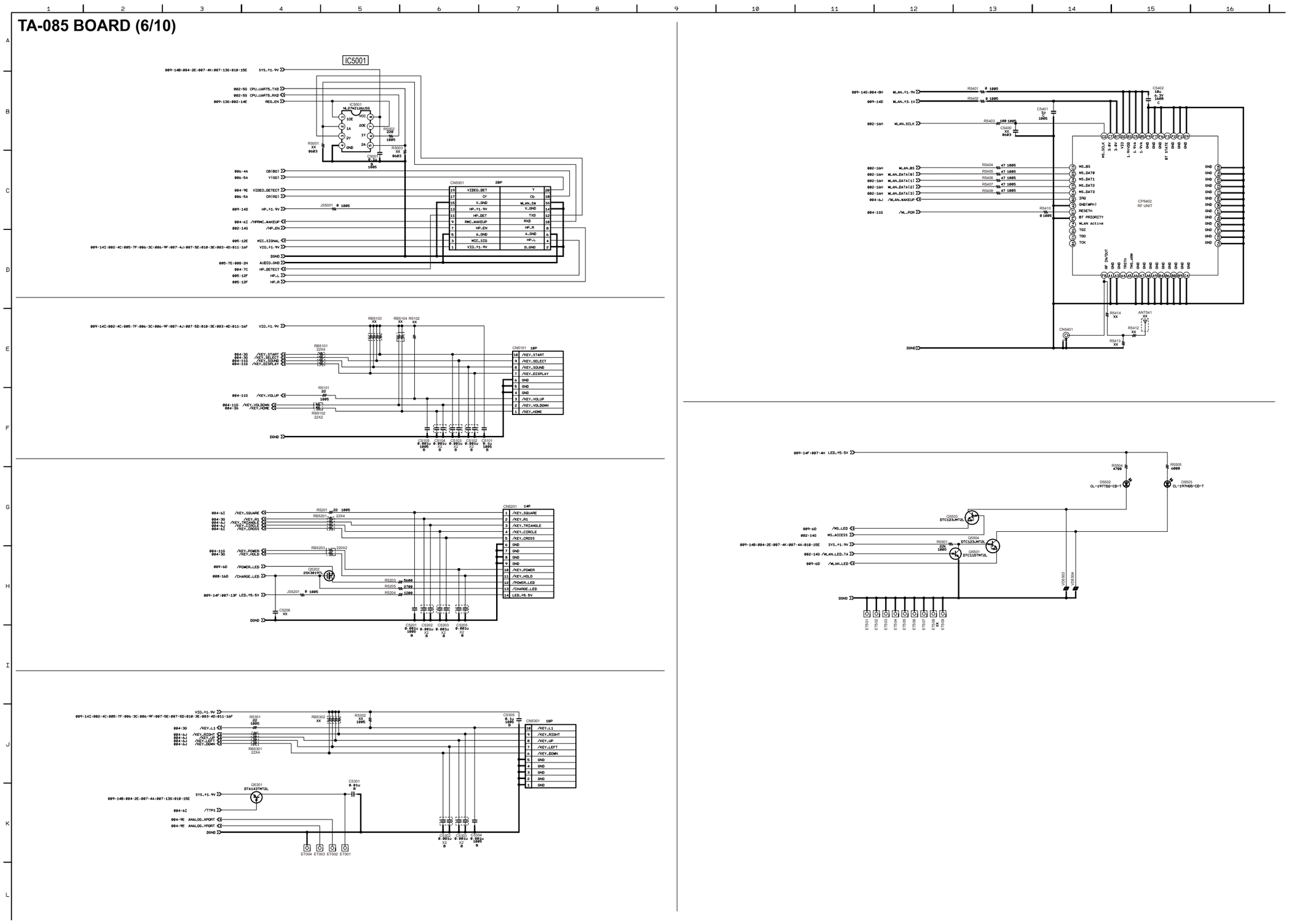
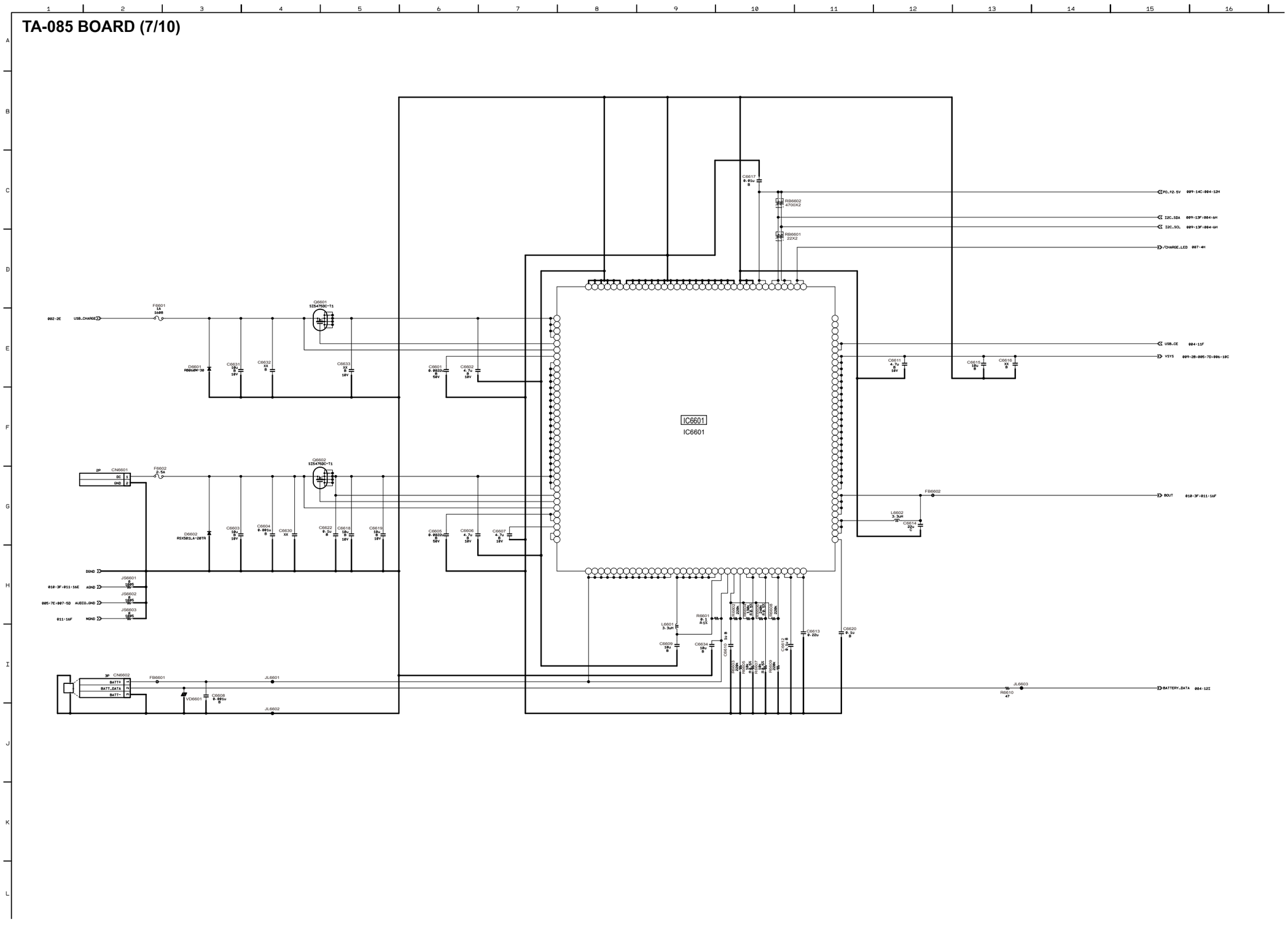
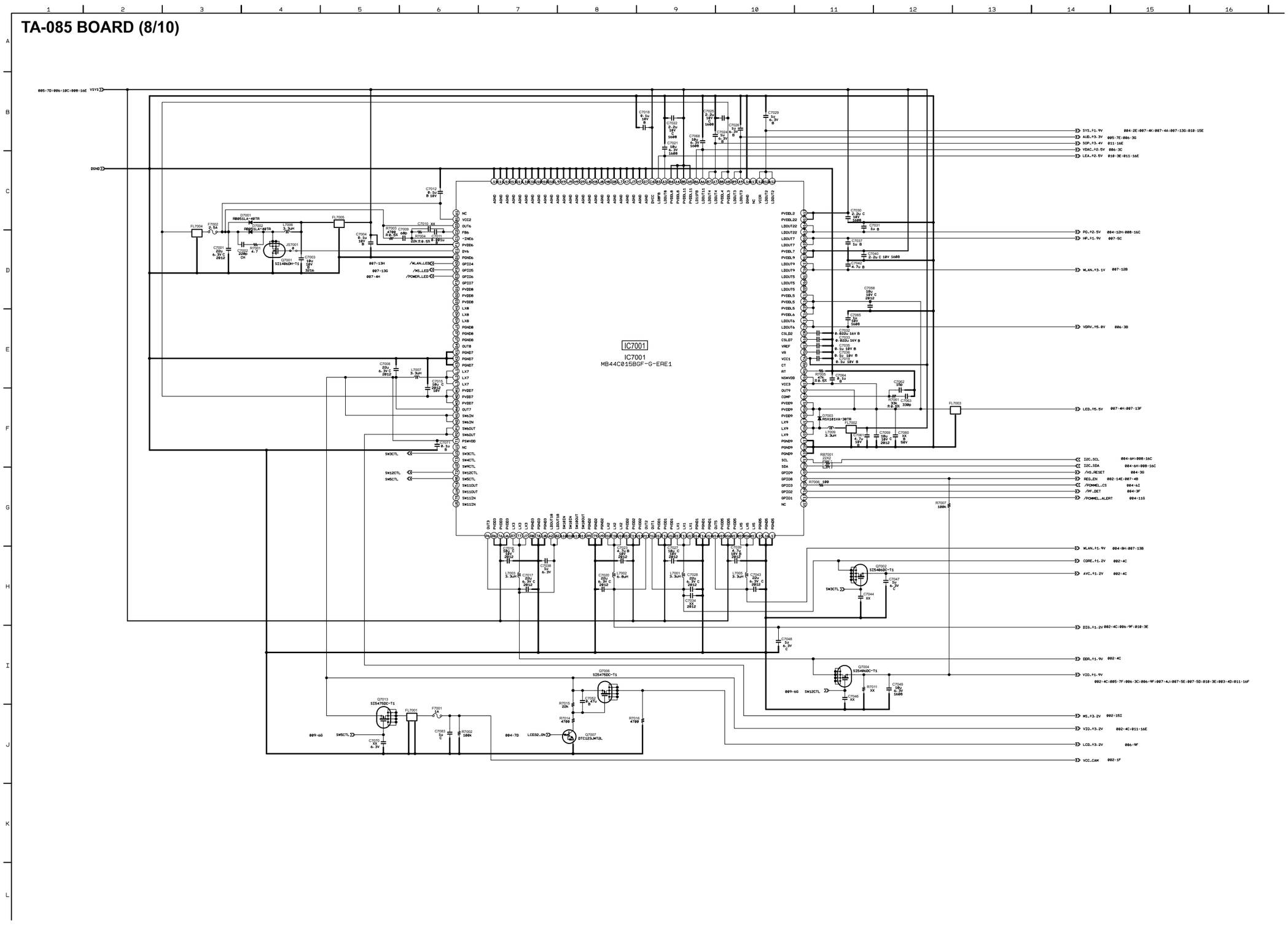


1-7. TA-085 BOARD (7/10)



1-8. TA-085 BOARD (8/10)



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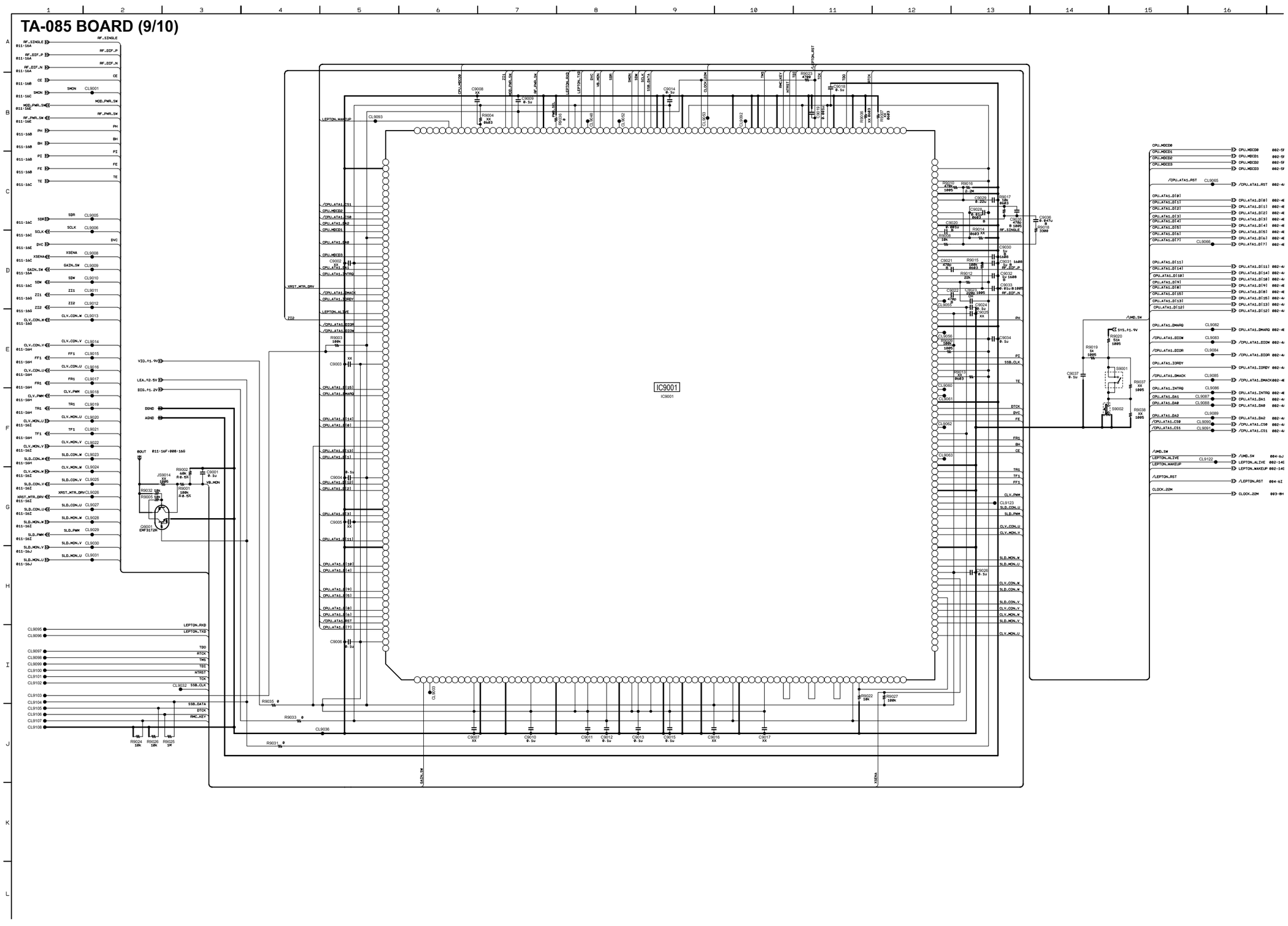

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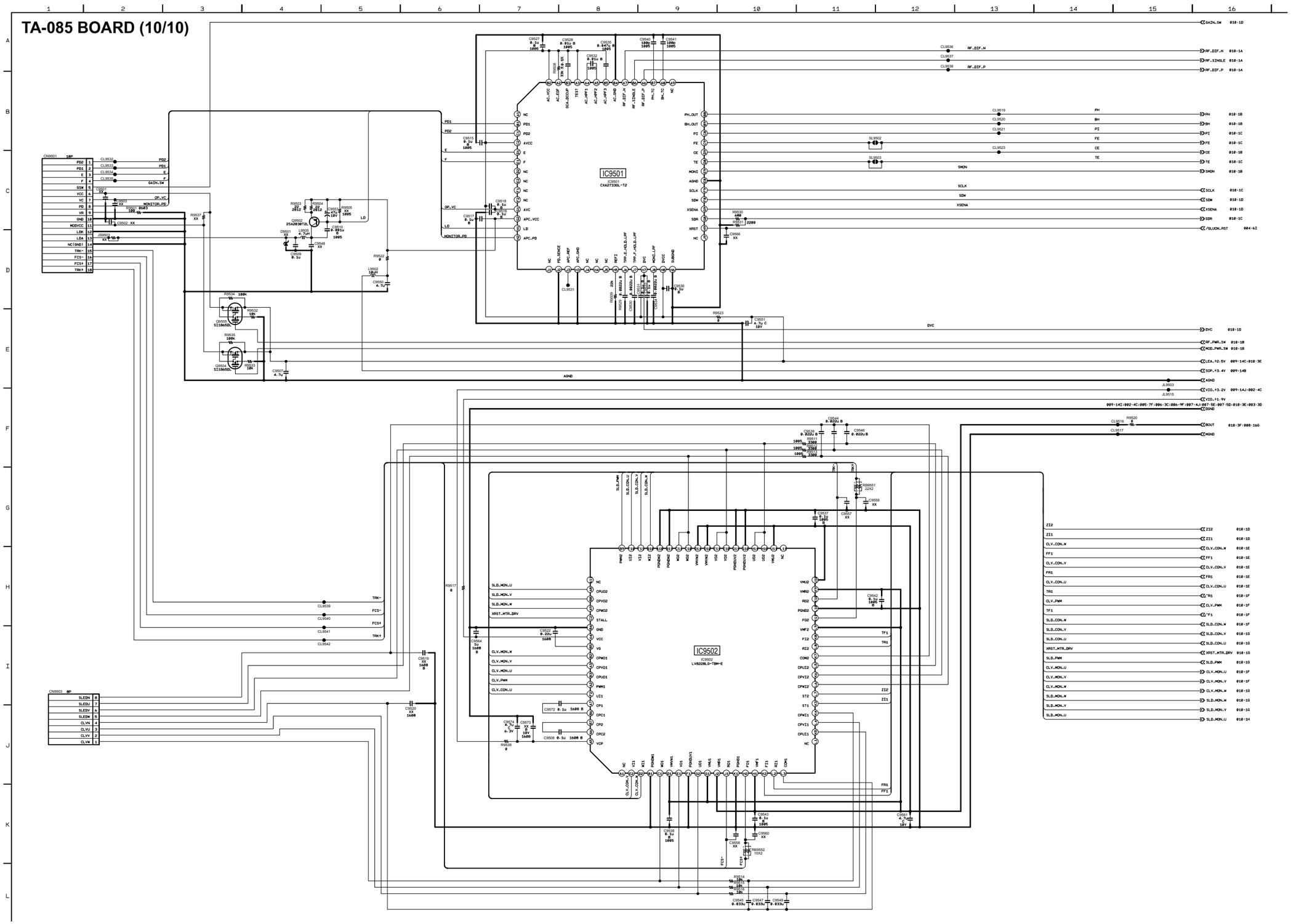
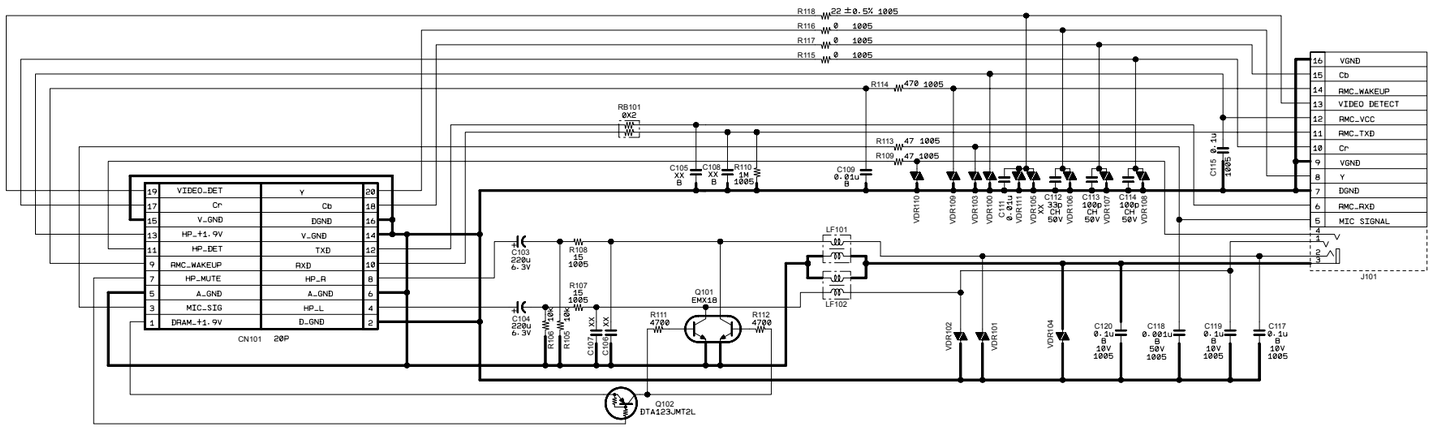
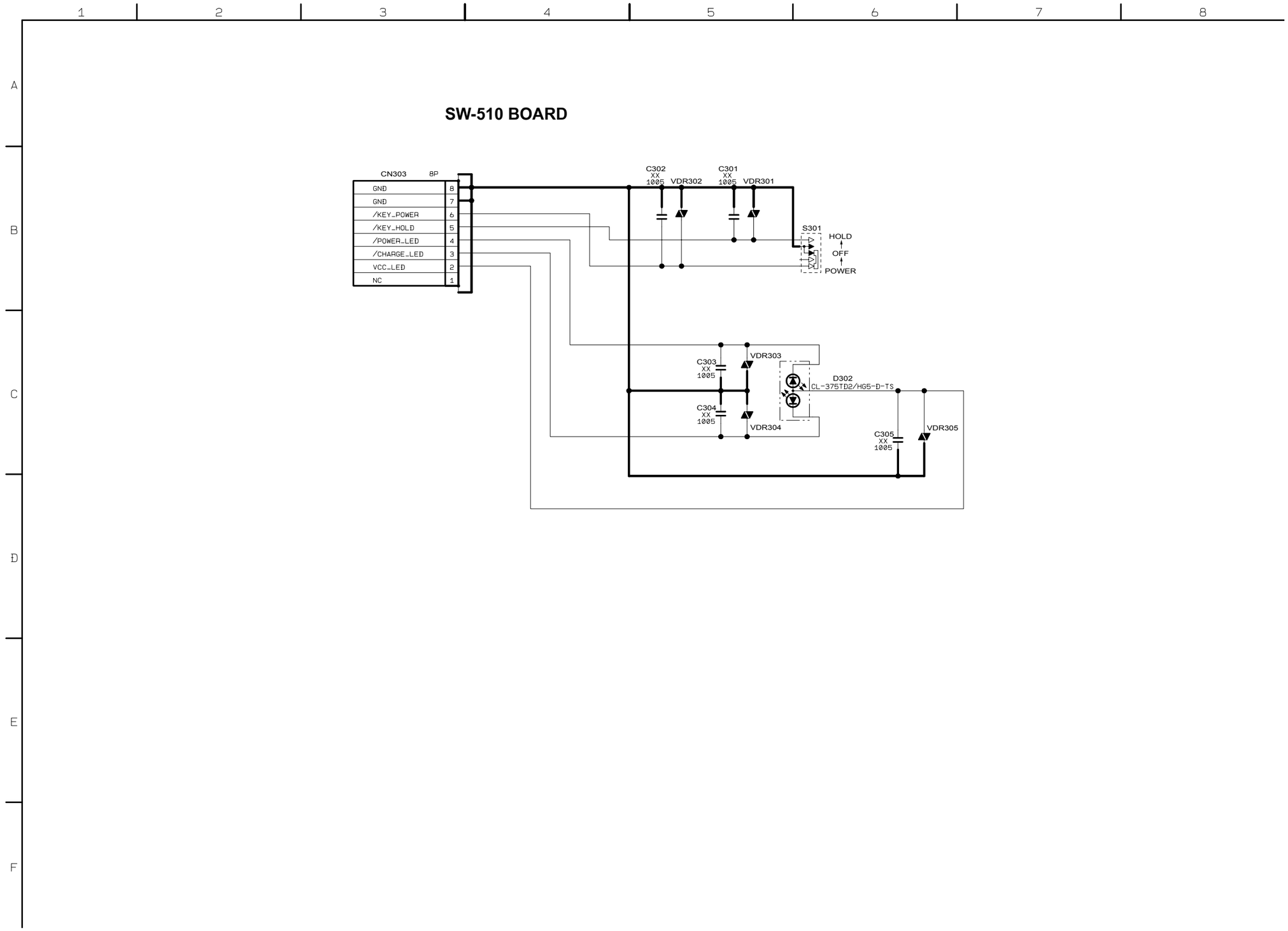


1-11. HP-142 BOARD

HP-142 BOARD



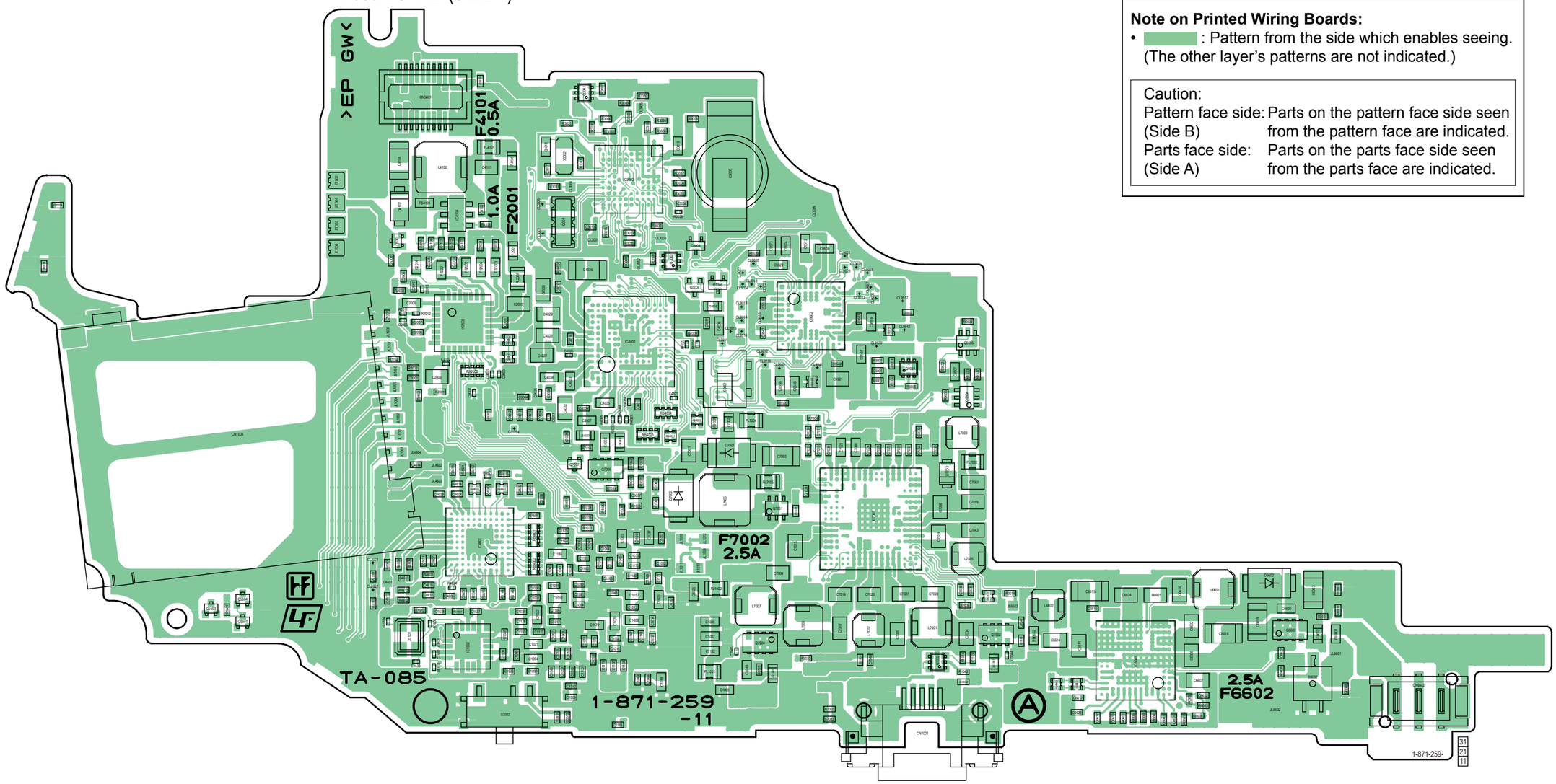
1-12. SW-510 BOARD



SECTION 2
PRINTED WIRING BOARDS

2-1. TA-085 BOARD (SIDE A)

TA-085 BOARD (SIDE A)



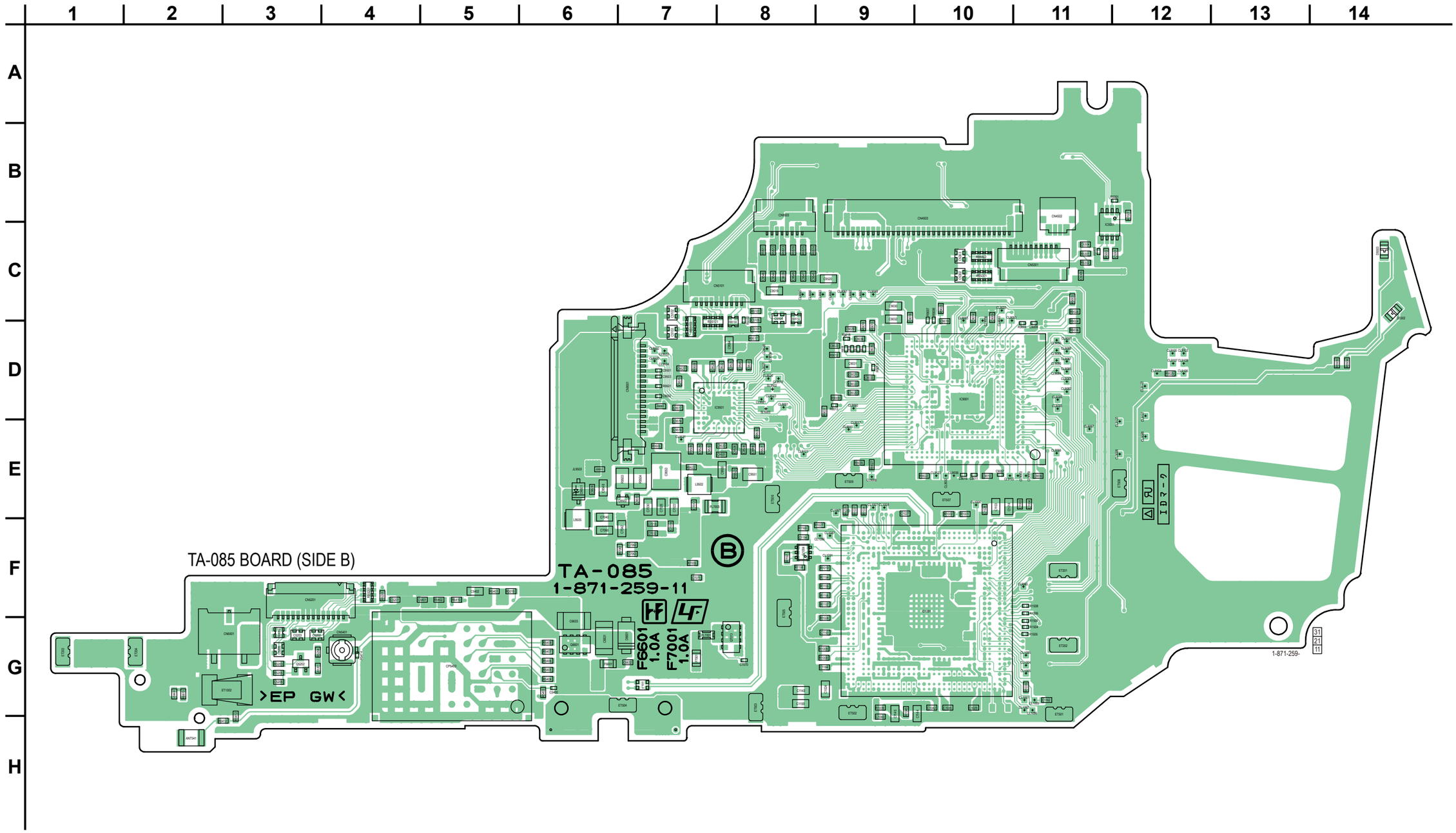
Note on Printed Wiring Boards:

- : Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

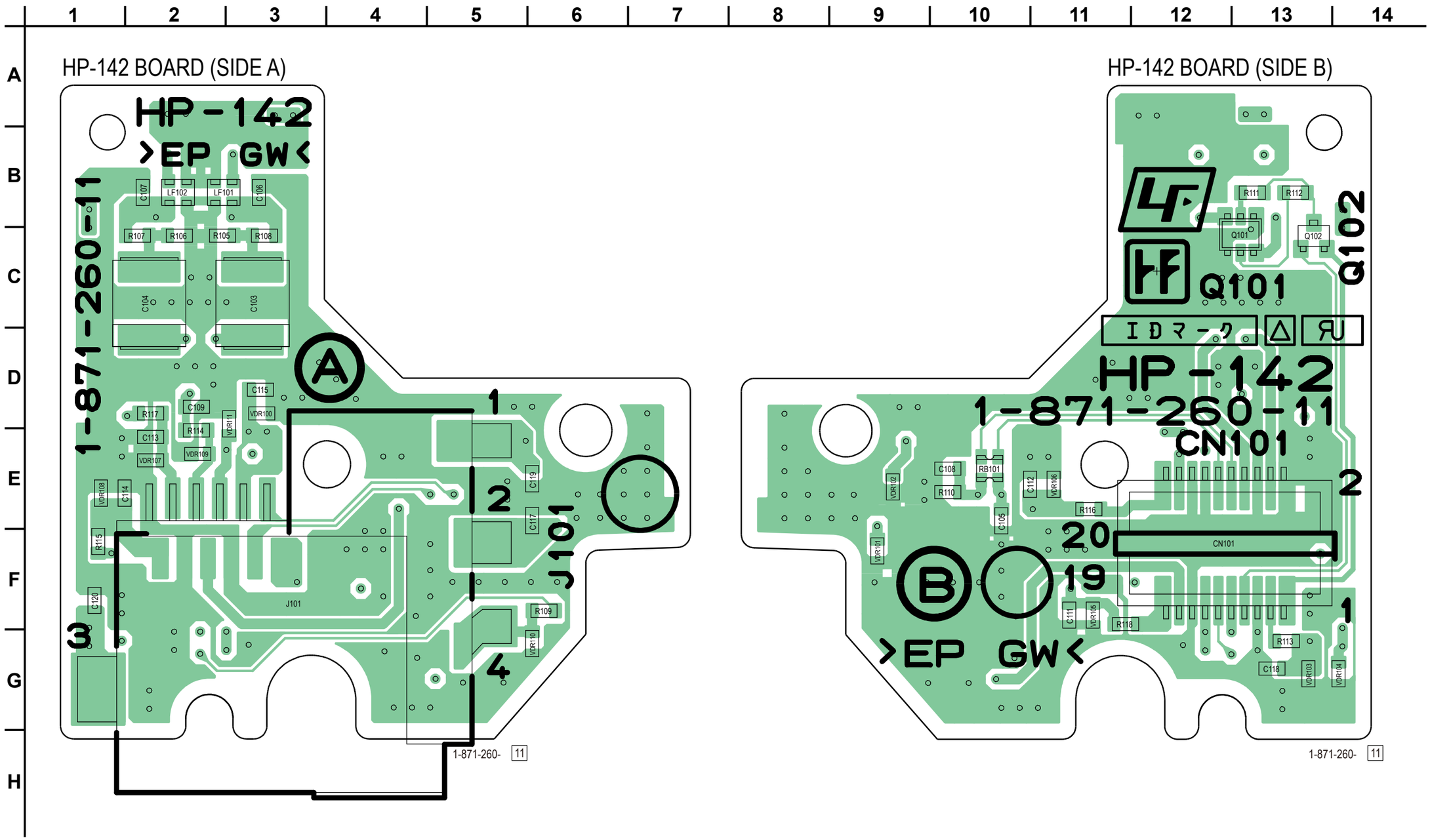
Caution:

Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

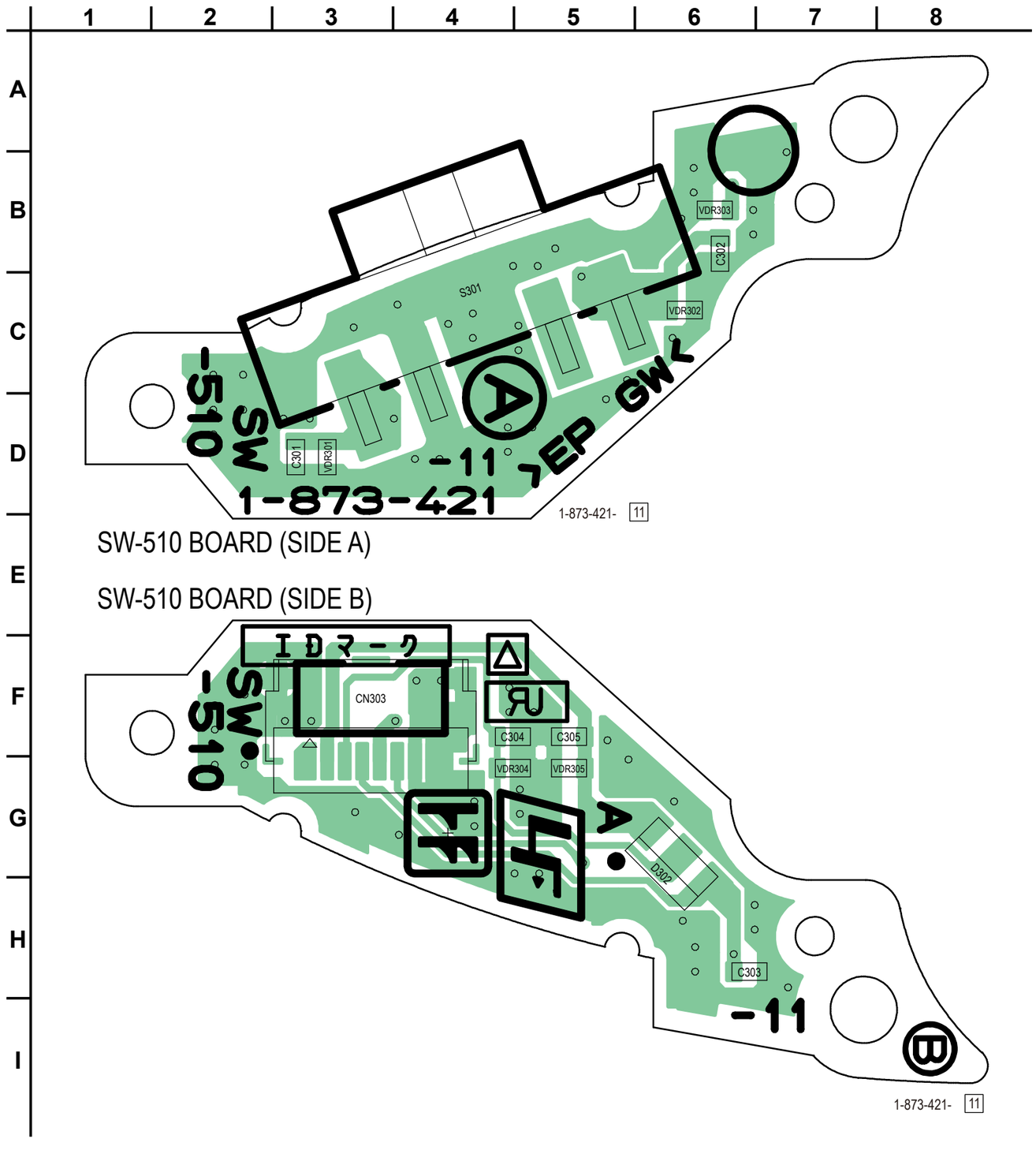
2-2. TA-085 BOARD (SIDE B)



2-3. HP-142 BOARD



2-4. SW-510 BOARD



SECTION 3
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be defferent from the parts specified in the diagrams or the components used on the set.
- RESISTORS
  METAL: Metal-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u : μ, for example:
  uA.. : μA.. uPA.. : μPA..
  uPB.. : μPB.. uPC.. : μPC.. uPD.. : μPD..
- CAPACITORS
  uF : μF
- COILS
  uH : μH

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

NOTE:
- SC Classification:
  S : Supplied parts
  U : Unsupplied parts

SC	Ref. No.	Part No.	Description			Remark
S		A-1337-296-A	PWB MOUNT, HP-142			
			**********			
			< CAPACITOR >			
U	C103		TANTAL. CHIP	220uF	20%	6.3V
U	C104		TANTAL. CHIP	220uF	20%	6.3V
U	C109		CERAMIC CHIP	0.01uF	10%	16V
U	C111		CERAMIC CHIP	0.01uF	10%	16V
U	C112		CERAMIC CHIP	33PF	5%	50V
U	C113		CERAMIC CHIP	100PF	5%	50V
U	C114		CERAMIC CHIP	100PF	5%	50V
U	C115		CERAMIC CHIP	0.1uF	10%	10V
U	C117		CERAMIC CHIP	0.1uF	10%	10V
U	C118		CERAMIC CHIP	0.001uF	10%	50V
U	C119		CERAMIC CHIP	0.1uF	10%	10V
U	C120		CERAMIC CHIP	0.1uF	10%	10V
			< CONNECTOR >			
U	CN101		CONNECTOR, BOARD TO BOARD 20P			
			< JACK >			
U	J101		JACK, HP			
			< FILTER >			
U	LF101		FILTER, EMI REMOVAL			
U	LF102		FILTER, EMI REMOVAL			
			< TRANSISTOR >			
U	Q101		TRANSISTOR EMX18			
U	Q102		TRANSISTOR DTA123JMT2L			
			< RESISTOR >			
U	R105		RES-CHIP	10K	5%	1/16W
U	R106		RES-CHIP	10K	5%	1/16W
U	R107		RES-CHIP	15	5%	1/16W
U	R108		RES-CHIP	15	5%	1/16W
U	R109		RES-CHIP	47	5%	1/16W
U	R110		RES-CHIP	1M	5%	1/16W
U	R111		RES-CHIP	4.7K	5%	1/16W
U	R112		RES-CHIP	4.7K	5%	1/16W
U	R113		RES-CHIP	47	5%	1/16W
U	R114		RES-CHIP	470	5%	1/16W
U	R115		SHORT CHIP	0		
U	R116		SHORT CHIP	0		
U	R117		SHORT CHIP	0		
U	R118		METAL CHIP	22	0.5%	1/16W
			< NETWORK RESISTOR >			
U	RB101		RES, NETWORK (CHIP TYPE) 0X2			
			< VARISTOR >			
U	VDR100		VARISTOR, CHIP			
U	VDR101		VARISTOR, CHIP			
U	VDR102		VARISTOR, CHIP			
U	VDR103		VARISTOR, CHIP			
U	VDR104		VARISTOR, CHIP			
U	VDR106		VARISTOR, CHIP			
U	VDR107		VARISTOR, CHIP			
U	VDR108		VARISTOR, CHIP			
U	VDR109		VARISTOR, CHIP			
U	VDR110		VARISTOR, CHIP			
U	VDR111		VARISTOR, CHIP			
**********						
S		A-1337-295-A	PWB MOUNT, SW-510			
			**********			
			< CONNECTOR >			
U	CN303		CONNECTOR, FFC/FPC (ZIF) 8P			
			< DIODE >			
U	D302		LED CL-375TD2/HG5-D-TS			
			< SWITCH >			
U	S301		SWITCH, SLIDE			
			< VARISTOR >			
U	VDR301		VARISTOR, CHIP			
U	VDR302		VARISTOR, CHIP			
U	VDR303		VARISTOR, CHIP			
U	VDR304		VARISTOR, CHIP			
U	VDR305		VARISTOR, CHIP			
**********						

SC	Ref. No.	Part No.	Description			Remark
S		9-886-110-47	TA-085 BOARD, COMPLETE (FX/J)			
			**********			
			< CAPACITOR >			
U	C1001		CERAMIC CHIP	0.001uF	10%	50V
U	C1002		CERAMIC CHIP	0.1uF	10%	10V
U	C1003		CERAMIC CHIP	0.1uF	10%	10V
U	C1004		CERAMIC CHIP	0.1uF	10%	10V
U	C1005		CERAMIC CHIP	10uF	20%	6.3V
U	C1006		CERAMIC CHIP	10uF	20%	6.3V
U	C1008		CERAMIC CHIP	1uF	10%	6.3V
U	C1009		CERAMIC CHIP	0.1uF	10%	10V
U	C1010		CERAMIC CHIP	1uF	10%	6.3V
U	C1011		CERAMIC CHIP	0.1uF	10%	10V
U	C1012		CERAMIC CHIP	1uF	10%	6.3V
U	C1013		CERAMIC CHIP	0.1uF	10%	10V
U	C1014		CERAMIC CHIP	1uF	10%	6.3V
U	C1015		CERAMIC CHIP	0.1uF	10%	10V
U	C1016		CERAMIC CHIP	0.1uF	10%	10V
U	C1017		CERAMIC CHIP	0.1uF	10%	10V
U	C1018		CERAMIC CHIP	0.001uF	10%	50V
U	C1019		CERAMIC CHIP	1uF	10%	6.3V
U	C1020		CERAMIC CHIP	1uF	10%	6.3V
U	C1021		CERAMIC CHIP	1uF	10%	6.3V
U	C1022		CERAMIC CHIP	1uF	10%	6.3V
U	C1023		CERAMIC CHIP	1uF	10%	6.3V
U	C1024		CERAMIC CHIP	1uF	10%	6.3V
U	C1025		CERAMIC CHIP	1uF	10%	6.3V
U	C1026		CERAMIC CHIP	1uF	10%	6.3V
U	C1027		CERAMIC CHIP	0.1uF	10%	10V
U	C1028		CERAMIC CHIP	0.1uF	10%	10V
U	C1029		CERAMIC CHIP	0.1uF	10%	10V
U	C1030		CERAMIC CHIP	0.001uF	10%	50V
U	C1031		CERAMIC CHIP	0.1uF	10%	10V
U	C1032		CERAMIC CHIP	0.1uF	10%	10V
U	C1033		CERAMIC CHIP	0.1uF	10%	10V
U	C1034		CERAMIC CHIP	0.1uF	10%	10V
U	C1035		CERAMIC CHIP	0.1uF	10%	10V
U	C1036		CERAMIC CHIP	0.1uF	10%	10V
U	C1037		CERAMIC CHIP	0.1uF	10%	10V
U	C1038		CERAMIC CHIP	0.1uF	10%	10V
U	C1039		CERAMIC CHIP	0.1uF	10%	10V
U	C1040		CERAMIC CHIP	0.1uF	10%	10V
U	C1041		CERAMIC CHIP	0.1uF	10%	10V
U	C1042		CERAMIC CHIP	0.1uF	10%	10V
U	C1043		CERAMIC CHIP	0.1uF	10%	10V
U	C1044		CERAMIC CHIP	0.1uF	10%	10V
U	C1045		CERAMIC CHIP	0.001uF	10%	50V
U	C1046		CERAMIC CHIP	0.1uF	10%	10V
U	C1049		CERAMIC CHIP	0.001uF	10%	50V
U	C1054		CERAMIC CHIP	0.1uF	10%	10V
U	C1055		CERAMIC CHIP	0.1uF	10%	10V
U	C1056		CERAMIC CHIP	0.1uF	10%	10V
U	C1057		CERAMIC CHIP	0.001uF	10%	50V
U	C1058		CERAMIC CHIP	0.1uF	10%	10V
U	C1059		CERAMIC CHIP	0.1uF	10%	10V
U	C1060		CERAMIC CHIP	0.1uF	10%	10V
U	C1061		CERAMIC CHIP	0.1uF	10%	10V
U	C1064		CERAMIC CHIP	0.1uF	10%	10V
U	C1065		CERAMIC CHIP	0.1uF	10%	10V
U	C1068		CERAMIC CHIP	0.001uF	10%	50V
U	C1081		CERAMIC CHIP	0.001uF	10%	50V
U	C1082		CERAMIC CHIP	0.001uF	10%	50V
U	C1083		CERAMIC CHIP	0.1uF	10%	10V
U	C1084		CERAMIC CHIP	0.1uF	10%	10V
U	C1085		CERAMIC CHIP	0.1uF	10%	10V
U	C1090		CERAMIC CHIP	1uF	20%	6.3V
U	C1091		CERAMIC CHIP	0.1uF	10%	10V
U	C1092		CERAMIC CHIP	0.1uF	10%	10V
U	C1094		CERAMIC CHIP	1uF	10%	6.3V
U	C1095		CERAMIC CHIP	0.1uF	10%	10V
U	C1096		CERAMIC CHIP	0.1uF	10%	10V
U	C1097		CERAMIC CHIP	1uF	10%	6.3V
U	C1098		CERAMIC CHIP	0.1uF	10%	10V
U	C1099		CERAMIC CHIP	0.1uF	10%	10V
U	C1100		CERAMIC CHIP	1uF	20%	6.3V
U	C1103		CERAMIC CHIP	1uF	10%	6.3V
U	C1104		CERAMIC CHIP	0.001uF	10%	50V
U	C1105		CERAMIC CHIP	0.1uF	10%	10V
U	C1106		CERAMIC CHIP	0.1uF	10%	10V
U	C1143		CERAMIC CHIP	10uF	20%	6.3V
U	C1147		CERAMIC CHIP	0.1uF	10%	10V
U	C1148		CERAMIC CHIP	0.1uF	10%	10V
U	C1149		CERAMIC CHIP	0.1uF	10%	10V
U	C1150		CERAMIC CHIP	0.001uF	10%	50V
U	C1153		CERAMIC CHIP	0.001uF	10%	50V
U	C1159		CERAMIC CHIP	10uF	20%	6.3V
U	C1161		CERAMIC CHIP	0.1uF	10%	10V
U	C1162		CERAMIC CHIP	0.01uF	10%	16V
U	C1164		CERAMIC CHIP	0.1uF	10%	10V
U	C1166		CERAMIC CHIP	0.1uF	10%	10V
U	C1170		CERAMIC CHIP	0.001uF	10%	50V
U	C1171		CERAMIC CHIP	0.1uF	10%	10V
U	C1172		CERAMIC CHIP	1uF	10%	6.3V
U	C1175		CERAMIC CHIP	0.1uF	10%	10V
U	C1176		CERAMIC CHIP	0.001uF	10%	50V
U	C1178		CERAMIC CHIP	0.1uF	10%	10V
U	C1179		CERAMIC CHIP	0.1uF	10%	10V
U	C1180		CERAMIC CHIP	0.1uF	10%	10V
U	C1181		CERAMIC CHIP	0.1uF	10%	10V
U	C1182		CERAMIC CHIP	10uF	20%	6.3V
U	C1183		CERAMIC CHIP	0.001uF	10%	50V
U	C1184		CERAMIC CHIP	0.1uF	10%	10V
U	C1185		CERAMIC CHIP	0.1uF	10%	10V
U	C1186		CERAMIC CHIP	1uF	10%	6.3V
U	C1193		CERAMIC CHIP	0.1uF	10%	10V
U	C1531		CERAMIC CHIP	0.1uF	10%	6.3V
U	C1532		CERAMIC CHIP	0.1uF	10%	6.3V
U	C1535		CERAMIC CHIP	0.1uF	10%	10V
U	C1536		CERAMIC CHIP	0.1uF	10%	10V
U	C1537		CERAMIC CHIP	0.1uF	10%	10V
U	C2002		CERAMIC CHIP	0.1uF	10%	6.3V
U	C2004		CERAMIC CHIP	0.1uF	10%	10V
U	C2005		CERAMIC CHIP	220PF	10%	16V
U	C2006		CERAMIC CHIP	1uF	10%	6.3V
U	C2007		CERAMIC CHIP	0.1uF	10%	10V

SC	Ref. No.	Part No.	Description			Remark
U	C2009		CERAMIC CHIP	4.7uF	20%	6.3V
U	C2010		CERAMIC CHIP	4.7uF	20%	10V
U	C2011		CERAMIC CHIP	0.1uF	10%	10V
U	C2012		CERAMIC CHIP	1uF	20%	6.3V
U	C2013		CERAMIC CHIP	0.1uF	10%	6.3V
U	C2014		CERAMIC CHIP	4.7uF	20%	6.3V
U	C2031		CERAMIC CHIP	0.001uF	10%	50V
U	C2032		CERAMIC CHIP	0.001uF	10%	50V
U	C2033		CERAMIC CHIP	0.001uF	10%	50V
U	C2034		CERAMIC CHIP	0.001uF	10%	50V
U	C3004		CERAMIC CHIP	0.001uF	10%	50V
U	C3005		DOUBLE LAYERS	0.2F		
U	C3009		CERAMIC CHIP	0.001uF	10%	50V
U	C3010		CERAMIC CHIP	0.001uF	10%	50V
U	C3013		CERAMIC CHIP	0.1uF	10%	10V
U	C3017		CERAMIC CHIP	15PF	5%	50V
U	C3018		CERAMIC CHIP	18PF	5%	50V
U	C3019		CERAMIC CHIP	1uF	10%	6.3V
U	C3510		CERAMIC CHIP	0.001uF	10%	50V
U	C4005		CERAMIC CHIP	4.7uF	10%	6.3V
U	C4006		CERAMIC CHIP	4.7uF	10%	6.3V
U	C4007		CERAMIC CHIP	10uF	20%	6.3V
U	C4008		CERAMIC CHIP	0.1uF	10%	10V
U	C4009		CERAMIC CHIP	0.1uF	10%	10V
U	C4011		CERAMIC CHIP	0.1uF	10%	10V
U	C4012		CERAMIC CHIP	0.1uF	10%	10V
U	C4023		CERAMIC CHIP	0.1uF	10%	6.3V
U	C4024		CERAMIC CHIP	0.1uF	10%	6.3V
U	C4025		CERAMIC CHIP	0.1uF	10%	6.3V
U	C4027		CERAMIC CHIP	2.2uF	10%	10V
U	C4028		CERAMIC CHIP	2.2uF	10%	16V
U	C4029		CERAMIC CHIP	4.7uF	10%	10V
U	C4030		CERAMIC CHIP	4.7uF	10%	10V
U	C4032		CERAMIC CHIP	4.7uF	10%	10V
U	C4033		CERAMIC CHIP	0.47uF	10%	10V
U	C4034		CERAMIC CHIP	0.47uF	10%	10V
U	C4035		CERAMIC CHIP	1uF	10%	10V
U	C4036		CERAMIC CHIP	22uF	20%	10V
U	C4037		CERAMIC CHIP	0.01uF	10%	16V
U	C4101		CERAMIC CHIP	4.7uF	20%	10V
U	C4103		CERAMIC CHIP	0.1uF	10%	10V
U	C4104		CERAMIC CHIP	1uF	10%	35V
U	C4601		CERAMIC CHIP	0.1uF	10%	10V
U	C4602		CERAMIC CHIP	0.1uF	10%	10V
U	C4603		CERAMIC CHIP	0.1uF	10%	10V
U	C4604		CERAMIC CHIP	0.1uF	10%	10V
U	C4605		CERAMIC CHIP	0.1uF	10%	10V
U	C4606		CERAMIC CHIP	0.1uF	10%	10V
U	C4607		CERAMIC CHIP	0.1uF	10%	10V
U	C4608		CERAMIC CHIP	0.1uF	10%	10V
U	C5001		CERAMIC CHIP	0.1uF	10%	10V
U	C5101		CERAMIC CHIP	0.1uF	10%	10V
U	C5102		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5103		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5104		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5105		CERAMIC CHIP	0.001uF	10%	50V
U	C5201		CERAMIC CHIP	0.001uF	10%	50V
U	C5202		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5203		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5205		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5301		CERAMIC CHIP	0.01uF	10%	16V
U	C5302		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5303		CERAMIC CHIP	0.001uFX2	10%	50V
U	C5304		CERAMIC CHIP	0.001uF	10%	50V
U	C5305		CERAMIC CHIP	0.1uF	10%	10V
U	C5401		CERAMIC CHIP	1uF	20%	6.3V
U	C5402		CERAMIC CHIP	10uF	20%	6.3V
U	C6601		CERAMIC CHIP	0.0022uF	10%	50V
U	C6602		CERAMIC CHIP	4.7uF	10%	10V
U	C6603		CERAMIC CHIP	10uF	10%	10V
U	C6604		CERAMIC CHIP	0.001uF	10%	50V
U	C6605		CERAMIC CHIP	0.0022uF	10%	50V
U	C6606		CERAMIC CHIP	4.7uF	10%	10V
U	C6607		CERAMIC CHIP	4.7uF	10%	10V
U	C6608		CERAMIC CHIP	0.001uF	10%	50V
U	C6609		CERAMIC CHIP	10uF	10%	6.3V
U	C6610		CERAMIC CHIP	1uF	10%	6.3V
U	C6611		CERAMIC CHIP	4.7uF	10%	10V
U	C6612		CERAMIC CHIP	0.1uF	10%	10V
U	C6613		CERAMIC CHIP	0.22uF	10%	6.3V
U	C6614		CERAMIC CHIP	22uF	20%	6.3V
U	C6615		CERAMIC CHIP	10uF	10%	10V
U	C6617		CERAMIC CHIP	0.01uF	10%	16V
U	C6618		CERAMIC CHIP	10uF	10%	10V
U	C6619		CERAMIC CHIP	10uF	10%	10V
U	C6620		CERAMIC CHIP	0.1uF	10%	10V
U	C6622		CERAMIC CHIP	0.1uF	10%	10V
U	C6631		CERAMIC CHIP	10uF	10%	10V
U	C6634		CERAMIC CHIP	10uF	10%	6.3V
U	C7001		CERAMIC CHIP	22uF	20%	6.3V
U	C7002		CERAMIC CHIP	220PF	5%	16V
U	C7003		CERAMIC CHIP	10uF	10%	10V
U	C7004		CERAMIC CHIP	0.1uF	10%	10V
U	C7008		CERAMIC CHIP	22uF	20%	6.3V
U	C7009		CERAMIC CHIP	68PF	5%	50V
U	C7011		CERAMIC CHIP	0.001uF	10%	50V
U	C7012		CERAMIC CHIP	0.1uF	10%	10V
U	C7015		CERAMIC CHIP	10uF	20%	10V
U	C7016		CERAMIC CHIP	10uF	20%	10V
U	C7017		CERAMIC CHIP	22uF	20%	6.3V
U	C7018		CERAMIC CHIP	0.1uF	10%	10V
U	C7019		CERAMIC CHIP	0.1uF	10%	10V
U	C7020		CERAMIC CHIP	22uF	20%	6.3V
U	C7021		CERAMIC CHIP	10uF	20%	6.3V
U	C7022		CERAMIC CHIP	2.2uF	20%	10V
U	C7023		CERAMIC CHIP	4.7uF	10%	10V
U	C7024		CERAMIC CHIP	1uF	10%	6.3V
U	C7025		CERAMIC CHIP	2.2uF	20%	10V
U	C7026		CERAMIC CHIP	1uF	10%	6.3V
U	C7027		CERAMIC CHIP	10uF	20%	10V
U	C7028		CERAMIC CHIP	22uF	20%	6.3V
U	C7029		CERAMIC CHIP	1uF	10%	6.3V
U	C7030		CERAMIC CHIP	2.2uF	20%	10V
U	C7031		CERAMIC CHIP	1uF	10%	6.3V
U	C7032		CERAMIC CHIP	0.022uF	10%	16V
U	C7033		CERAMIC CHIP	0.022uF	10%	16V
U	C7035		CERAMIC CHIP	0.1uF	10%	10V
U	C7036		CERAMIC CHIP	0.1uF	10%	10V
U	C7037		CERAMIC CHIP	1uF	10%	6.3V
U	C7038		CERAMIC CHIP	1uF	10%	6.3V
U	C7039		CERAMIC CHIP	4.7uF	10%	10V
U	C7040		CERAMIC CHIP	2.2uF	20%	10V
U	C7042		CERAMIC CHIP	4.7uF	10%	6.3V
U	C7043		CERAMIC CHIP	22uF	20%	6.3V
U	C7047		CERAMIC CHIP	1uF	20%	6.3V
U	C7048		CERAMIC CHIP	1uF	20%	6.3V
U	C7049		CERAMIC CHIP	10uF	20%	6.3V
U	C7052		CERAMIC CHIP	0.47uF	10%	6.3V
U	C7058		CERAMIC CHIP	10uF	20%	10V
U	C7059		CERAMIC CHIP	10uF	20%	10V
U	C7061		CERAMIC CHIP	4.7uF	10%	10V
U	C7062		CERAMIC CHIP	15PF	5%	50V
U	C7063		CERAMIC CHIP	330PF	10%	50V
U	C7064		CERAMIC CHIP	0.1uF	10%	10V
U	C7065		CERAMIC CHIP	1uF	10%	10V
U	C7068		CERAMIC CHIP	10uF	20%	6.3V
U	C7071		CERAMIC CHIP	0.1uF	10%	10V
U	C7083		CERAMIC CHIP	1uF	20%	6.3V
U	C9001		CERAMIC CHIP	0.1uF	10%	10V
U	C9004		CERAMIC CHIP	0.1uF	10%	10V
U	C9006		CERAMIC CHIP	0.1uF	10%	10V
U	C9009		CERAMIC CHIP	0.1uF	10%	10V
U	C9010		CERAMIC CHIP	0.1uF	10%	10V
U	C9012		CERAMIC CHIP	0.1uF	10%	10V
U	C9013		CERAMIC CHIP	0.1uF	10%	10V
U	C9014		CERAMIC CHIP	0.1uF	10%	10V
U	C9015		CERAMIC CHIP	0.1uF	10%	10V
U	C9018		CERAMIC CHIP	0.1uF	10%	10V
U	C9019		CERAMIC CHIP	0.001uF	10%	50V
U	C9020		CERAMIC CHIP	0.001uF	10%	50V
U	C9021		CERAMIC CHIP	470PF	10%	50V
U	C9022		CERAMIC CHIP	470PF	10%	50V
U	C9023		CERAMIC CHIP	220PF	5%	16V
U	C9024		CERAMIC CHIP	0.1uF	10%	10V
U	C9026		CERAMIC CHIP	0.1uF	10%	10V
U	C9028		CERAMIC CHIP	0.01uF	10%	6.3V
U	C9029		CERAMIC CHIP	0.22uF	10%	6.3V
U	C9030		CERAMIC CHIP	1uF	10%	6.3V
U	C9031		CERAMIC CHIP	1uF	10%	6.3V
U	C9032		CERAMIC CHIP	1uF	10%	6.3V
U	C9033		CERAMIC CHIP	0.01uF	10%	16V
U	C9034		CERAMIC CHIP	0.1uF	10%	10V
U	C9035		CERAMIC CHIP	470PF	10%	50V
U	C9036		CERAMIC CHIP	0.047uF	10%	10V
U	C9037		CERAMIC CHIP	0.1uF	10%	10V
U	C9507		CERAMIC CHIP	4.7uF	20%	6.3V
U	C9508		CERAMIC CHIP	0.1uF	10%	16V
U	C9509		CERAMIC CHIP	0.1uF	10%	10V
U	C9510		CERAMIC CHIP	0.001uF	10%	50V
U	C9515		CERAMIC CHIP	0.1uF	10%	10V
U	C9516		CERAMIC CHIP	0.1uF	10%	10V
U	C9517		CERAMIC CHIP	0.1uF	10%	10V
U	C9518		CERAMIC CHIP	0.1uF	10%	10V
U	C9522		CERAMIC CHIP	0.22uF	10%	16V
U	C9527		CERAMIC CHIP	0.1uF	10%	10V
U	C9528		CERAMIC CHIP	0.01uF	10%	16V
U	C9529		CERAMIC CHIP	0.0022uF	10%	50V
U	C9530		CERAMIC CHIP	0.0022uF	10%	50V
U	C9531		CERAMIC CHIP	0.1uF	10%	10V
U	C9532		CERAMIC CHIP	0.01uF	10%	16V
U	C9533		CERAMIC CHIP	0.1uF	10%	10V
U	C9534		CERAMIC CHIP	0.0022uF	10%	50V
U	C9535		CERAMIC CHIP	0.047uF	10%	10V
U	C9536		CERAMIC CHIP	0.1uF	10%	10V
U	C9537		CERAMIC CHIP	0.1uF	10%	10V
U	C9538		CERAMIC CHIP	0.1uF	10%	10V
U	C9539		CERAMIC CHIP	0.022uF	10%	16V
U	C9540		CERAMIC CHIP	100PF	5%	50V
U	C9541		CERAMIC CHIP	100PF	5%	50V
U	C9542		CERAMIC CHIP	0.1uF	10%	10V
U	C9543		CERAMIC CHIP	0.1uF	10%	10V
U	C9544		CERAMIC CHIP	0.022uF	10%	16V
U	C9545		CERAMIC CHIP	0.033uF	10%	10V
U	C9546		CERAMIC CHIP	0.022uF	10%	16V
U	C9547		CERAMIC CHIP	0.033uF	10%	10V
U	C9549		CERAMIC CHIP	0.033uF	10%	10V
U	C9550		CERAMIC CHIP	4.7uF	20%	6.3V
U	C9551		CERAMIC CHIP	4.7uF	20%	10V
U	C9553		TANTAL. CHIP	47uF	20%	10V
U	C9561		CERAMIC CHIP	4.7uF	20%	10V
U	C9564		CERAMIC CHIP	1uF	10%	10V
U	C9572		CERAMIC CHIP	0.1uF	10%	16V
U	C9574		CERAMIC CHIP	4.7uF	20%	6.3V

< CONNECTOR >

SC	Ref. No.	Part No.	Description
S	CN1001	1-821-207-11	CONNECTOR, USB (7P)
U	CN1003		CONNECTOR, CARD (MS-DUO REVERSE) 10P
U	CN4502		CONNECTOR, FFC/FPC (ZIF) 4P
U	CN4503		CONNECTOR, FFC/FPC (ZIF) 35P
U	CN5001		CONNECTOR, BOARD TO BOARD 20P
U	CN5101		CONNECTOR, FPC (ZIF) 10P
U	CN5201		CONNECTOR, FFC/FPC (ZIF) 14P
U	CN5301		CONNECTOR, FFC/FPC (ZIF) 10P
U	CN5401		CONNECTOR, COAXIAL
U	CN6601		PIN, CONNECTOR (PWB) 2P
U	CN6602		CONNECTOR, BATTERY 3P
U	CN9501		CONNECTOR, FFC/FPC (ZIF) 18P
U	CN9503		CONNECTOR, FFC/FPC (ZIF) 8P

< RF UNIT >

SC	Ref. No.	Part No.	Description
U	CP5402		RF UNIT

< DIODE >

SC	Ref. No.	Part No.	Description
U	D4102		DIODE RB160M-60TR
U	D5502		LED CL-197TD2-CD-T
U	D5503		LED CL-197HG5-CD-T
U	D6601		DIODE RB060M-30
U	D6602		DIODE RSX501LA-20TR
U	D7001		DIODE RB051LA-40TR
U	D7002		DIODE RB051LA-40TR
U	D7003		DIODE RSX101VA-30TR

SC	Ref. No.	Part No.	Description	Remark
			< TERMINAL >	
U	ET001		TERMINAL (ON BOARD CONTACT)	
U	ET002		TERMINAL (ON BOARD CONTACT)	
U	ET003		TERMINAL (ON BOARD CONTACT)	
U	ET004		TERMINAL (ON BOARD CONTACT)	
U	ET201		TERMINAL (ON BOARD CONTACT)	
U	ET202		TERMINAL (ON BOARD CONTACT)	
U	ET203		TERMINAL (ON BOARD CONTACT)	
U	ET204		TERMINAL (ON BOARD CONTACT)	
U	ET501		TERMINAL (ON BOARD CONTACT)	
U	ET502		TERMINAL (ON BOARD CONTACT)	
U	ET503		TERMINAL (ON BOARD CONTACT)	
U	ET504		TERMINAL (ON BOARD CONTACT)	
U	ET505		TERMINAL (ON BOARD CONTACT)	
U	ET506		TERMINAL (ON BOARD CONTACT)	
U	ET507		TERMINAL (ON BOARD CONTACT)	
U	ET509		TERMINAL (ON BOARD CONTACT)	
U	ET1002		TERMINAL	
			< FUSE >	
U	F2001		FUSE, MICRO 1A (1608)	
U	F4101		FUSE, MICRO 0.5A (1608)	
U	F6601		FUSE, MICRO 1A (1608)	
U	F6602		FUSE, MICRO 2.5A (1608)	
U	F7001		FUSE, MICRO 1A (1608)	
U	F7002		FUSE, MICRO 2.5A (1608)	
			< FERRITE BEAD >	
U	FB1001		FERRITE, EMI (SMD)	
U	FB1501		FERRITE, EMI (SMD)	
U	FB2001		FERRITE, EMI (SMD) (1608)	
U	FB2002		FERRITE, EMI (SMD) (1608)	
U	FB2003		FERRITE, EMI (SMD) (1608)	
U	FB2004		FERRITE, EMI (SMD) (1608)	
U	FB4101		FERRITE, EMI (SMD) (1608)	
U	FB6601		FERRITE, EMI (SMD)	
U	FB6602		FERRITE, EMI (SMD) (1608)	
			< FILTER >	
U	FL1001		FILTER, EMI REMOVAL (SMD)	
U	FL1002		FILTER, EMI REMOVAL (SMD)	
U	FL2001		FILTER, EMI REMOVAL (SMD)	
U	FL4101		FILTER, EMI REMOVAL (SMD)	
U	FL7001		FILTER, EMI REMOVAL (SMD)	
U	FL7002		FILTER, EMI REMOVAL (SMD)	
U	FL7003		FILTER, EMI REMOVAL (SMD)	
U	FL7004		FILTER, EMI REMOVAL (SMD)	
U	FL7005		FILTER, EMI REMOVAL (SMD)	
			< IC >	
U	IC1001			
U	IC1502		IC ICS620AK-02LFT	
U	IC2001		IC WM1800GEFL/RV	
U	IC3002			
U	IC4002		IC LR388A1	
U	IC4104		IC TB62752BFUG(O,EL)	
U	IC4601		IC CXM4025GG-T2	

SC	Ref. No.	Part No.	Description	Remark
U	IC5001		IC NL27WZ126USG	
U	IC6601			
U	IC7001		IC MB44C015BGF-G-ERE1	
U	IC9001			
U	IC9501		IC CXA2733GL-T2	
U	IC9502		IC LV8228LG-TBM-E	
			< JUMPER RESISTOR >	
U	JS1001		SHORT CHIP 0	
U	JS1002		SHORT CHIP 0	
U	JS1003		SHORT CHIP 0	
U	JS1004		SHORT CHIP 0	
U	JS1022		SHORT CHIP 0	
U	JS4007		SHORT CHIP 0	
U	JS4008		SHORT CHIP 0	
U	JS4009		SHORT CHIP 0	
U	JS5001		SHORT CHIP 0	
U	JS5201		SHORT CHIP 0	
U	JS6601		SHORT CHIP 0	
U	JS6602		SHORT CHIP 0	
U	JS6603		SHORT CHIP 0	
U	JS7001		SHORT CHIP 0	
			< COIL >	
U	L4102		COIL, CHOKE DE4518C 22uH	
U	L6601		COIL, CHOKE DE3518C 3.3uH	
U	L6602		COIL, CHOKE DE2818C 3.3uH	
U	L7001		COIL, CHOKE DE3518C 3.3uH	
U	L7002		COIL, CHOKE DE2818C 6.8uH	
U	L7003		COIL, CHOKE DE3518C 3.3uH	
U	L7005		COIL, CHOKE DE2818C 3.3uH	
U	L7006		COIL, CHOKE DE4518C 3.3uH	
U	L7007		COIL, CHOKE DE3518C 3.3uH	
U	L7009		COIL, CHOKE DE2818C 3.3uH	
U	L9502		INDUCTOR 10uH	
U	L9505		INDUCTOR 4.7uH	
U	LF1001		COIL, COMMON MODE CHOKE	
			< TRANSISTOR >	
U	Q1002		TRANSISTOR EMD12T2R	
U	Q3001		TRANSISTOR EMF31T2R	
U	Q3003		TRANSISTOR EMD22T2R	
U	Q3004		TRANSISTOR DTA143ZE-TL	
U	Q3005		FET 2SK3019TL	
U	Q3006		FET 2SK3019TL	
U	Q5202		FET 2SK3019TL	
U	Q5301		TRANSISTOR DTA143TMT2L	
U	Q5501		TRANSISTOR DTC115TMT2L	
U	Q5503		TRANSISTOR DTC123JMT2L	
U	Q5504		TRANSISTOR DTC123JMT2L	
U	Q6601		FET SI5475DC-T1	
U	Q6602		FET SI5475DC-T1	
U	Q7001		FET SI1406DH-T1	
U	Q7002		FET SI5406DC-T1	
U	Q7004		FET SI5406DC-T1	
U	Q7006		FET SI5475DC-T1	
U	Q7007		TRANSISTOR DTC123JMT2L	
U	Q7013		FET SI5475DC-T1	

SC	Ref. No.	Part No.	Description			Remark
U	Q9001		TRANSISTOR EMF31T2R			
U	Q9502		TRANSISTOR 2SA2030T2L			
U	Q9504		FET SI1865DL			
U	Q9505		FET SI1865DL			
			< RESISTOR >			
U	R1001		METAL CHIP	390	0.5%	1/16W
U	R1002		METAL CHIP	2.7K	0.5%	1/16W
U	R1008		RES-CHIP	100K	5%	1/16W
U	R1009		RES-CHIP	47K	5%	1/16W
U	R1014		RES-CHIP	47K	5%	1/16W
U	R1019		RES-CHIP	68	5%	1/16W
U	R1024		RES-CHIP	120	5%	1/16W
U	R1025		RES-CHIP	100K	5%	1/16W
U	R1026		RES-CHIP	470K	5%	1/16W
U	R1027		RES-CHIP	470K	5%	1/16W
U	R1028		RES-CHIP	100	5%	1/16W
U	R1029		RES-CHIP	100	5%	1/16W
U	R1030		RES-CHIP	100	5%	1/16W
U	R1031		RES-CHIP	100	5%	1/16W
U	R1032		RES-CHIP	10K	5%	1/16W
U	R1034		RES-CHIP	470K	5%	1/16W
U	R1036		RES-CHIP	5.6K	5%	1/16W
U	R1037		RES-CHIP	100K	5%	1/16W
U	R1038		RES-CHIP	100	5%	1/16W
U	R1039		SHORT CHIP	0		
U	R1040		SHORT CHIP	0		
U	R1041		RES-CHIP	100K	5%	1/16W
U	R1042		RES-CHIP	22K	5%	1/16W
U	R1144		RES-CHIP	22	5%	1/16W
U	R1145		SHORT CHIP	0		
U	R1152		SHORT CHIP	0		
U	R1153		SHORT CHIP	0		
U	R1154		RES-CHIP	68	5%	1/16W
U	R1155		RES-CHIP	68	5%	1/16W
U	R1156		RES-CHIP	68	5%	1/16W
U	R1157		RES-CHIP	68	5%	1/16W
U	R1160		RES-CHIP	100K	5%	1/16W
U	R1504		SHORT CHIP	0		
U	R1505		SHORT CHIP	0		
U	R1506		SHORT CHIP	0		
U	R1507		SHORT CHIP	0		
U	R1508		SHORT CHIP	0		
U	R1509		METAL CHIP	22	5%	1/20W
U	R2001		SHORT CHIP	0		
U	R2003		SHORT CHIP	0		
U	R2011		METAL CHIP	47K	5%	1/20W
U	R2012		METAL CHIP	2.2K	5%	1/20W
U	R3003		RES-CHIP	100	5%	1/16W
U	R3004		RES-CHIP	100	5%	1/16W
U	R3006		RES-CHIP	1.2K	5%	1/16W
U	R3007		RES-CHIP	5.6K	5%	1/16W
U	R3008		RES-CHIP	47	5%	1/16W
U	R3009		RES-CHIP	4.7K	5%	1/16W
U	R3010		RES-CHIP	100K	5%	1/16W
U	R3011		SHORT CHIP	0		
U	R3013		RES-CHIP	220K	5%	1/16W
U	R3014		RES-CHIP	22K	5%	1/16W

SC	Ref. No.	Part No.	Description			Remark
U	R3015		RES-CHIP	100K	5%	1/16W
U	R3016		RES-CHIP	100K	5%	1/16W
U	R3017		RES-CHIP	100K	5%	1/16W
U	R3019		RES-CHIP	100K	5%	1/16W
U	R3020		RES-CHIP	100K	5%	1/16W
U	R3021		RES-CHIP	100K	5%	1/16W
U	R3030		RES-CHIP	100K	5%	1/16W
U	R3031		RES-CHIP	10K	5%	1/16W
U	R3035		RES-CHIP	10	5%	1/16W
U	R3036		SHORT CHIP	0		
U	R3506		METAL CHIP	10K	0.5%	1/16W
U	R3509		RES-CHIP	100K	5%	1/16W
U	R4005		METAL CHIP	100	5%	1/20W
U	R4006		METAL CHIP	100	5%	1/20W
U	R4007		METAL CHIP	100	5%	1/20W
U	R4008		METAL CHIP	100	5%	1/20W
U	R4009		RES-CHIP	22	5%	1/16W
U	R4010		RES-CHIP	3.9K	5%	1/16W
U	R4022		METAL CHIP	100K	5%	1/20W
U	R4064		METAL CHIP	100K	5%	1/20W
U	R4101		METAL CHIP	18K	0.5%	1/16W
U	R4102		METAL CHIP	15	0.5%	1/16W
U	R4103		METAL CHIP	18K	0.5%	1/16W
U	R4104		METAL CHIP	51K	0.5%	1/16W
U	R4105		RES-CHIP	100K	5%	1/16W
U	R4601		SHORT CHIP	0		
U	R4602		SHORT CHIP	0		
U	R4603		SHORT CHIP	0		
U	R4604		RES-CHIP	220	5%	1/16W
U	R4607		METAL CHIP	75	0.5%	1/16W
U	R4608		METAL CHIP	75	0.5%	1/16W
U	R4609		METAL CHIP	75	0.5%	1/16W
U	R4610		RES-CHIP	22	5%	1/16W
U	R4612		SHORT CHIP	0		
U	R4614		METAL CHIP	1.5K	0.5%	1/16W
U	R4615		METAL CHIP	1K	0.5%	1/16W
U	R4616		RES-CHIP	100K	5%	1/16W
U	R4621		METAL CHIP	100K	5%	1/20W
U	R5002		RES-CHIP	220	5%	1/16W
U	R5101		RES-CHIP	22	5%	1/16W
U	R5201		RES-CHIP	22	5%	1/16W
U	R5203		RES-CHIP	5.6K	5%	1/16W
U	R5204		RES-CHIP	1.2K	5%	1/16W
U	R5205		RES-CHIP	2.7K	5%	1/16W
U	R5301		RES-CHIP	22	5%	1/16W
U	R5401		SHORT CHIP	0		
U	R5402		SHORT CHIP	0		
U	R5403		RES-CHIP	100	5%	1/16W
U	R5404		RES-CHIP	47	5%	1/16W
U	R5405		RES-CHIP	47	5%	1/16W
U	R5406		RES-CHIP	47	5%	1/16W
U	R5407		RES-CHIP	47	5%	1/16W
U	R5408		RES-CHIP	47	5%	1/16W
U	R5410		SHORT CHIP	0		
U	R5501		RES-CHIP	22K	5%	1/16W
U	R5504		RES-CHIP	4.7K	5%	1/16W
U	R5505		RES-CHIP	6.8K	5%	1/16W
U	R6601		RES-CHIP	0.1	1%	1/4W

SC	Ref. No.	Part No.	Description			Remark
U	R6602		RES-CHIP	220K	5%	1/16W
U	R6603		RES-CHIP	220K	5%	1/16W
U	R6604		METAL CHIP	130K	0.5%	1/16W
U	R6605		METAL CHIP	10K	0.5%	1/16W
U	R6606		METAL CHIP	240K	0.5%	1/16W
U	R6607		METAL CHIP	10K	0.5%	1/16W
U	R6608		RES-CHIP	220K	5%	1/16W
U	R6609		RES-CHIP	220K	5%	1/16W
U	R6610		RES-CHIP	47	5%	1/16W
U	R7001		RES-CHIP	4.7	5%	1/16W
U	R7002		RES-CHIP	100K	5%	1/16W
U	R7003		METAL CHIP	4.7K	0.5%	1/16W
U	R7004		METAL CHIP	22K	0.5%	1/16W
U	R7005		METAL CHIP	47K	0.5%	1/16W
U	R7006		RES-CHIP	100	5%	1/16W
U	R7007		RES-CHIP	100K	5%	1/16W
U	R7014		RES-CHIP	4.7K	5%	1/16W
U	R7015		RES-CHIP	22K	5%	1/16W
U	R7016		RES-CHIP	4.7K	5%	1/16W
U	R7061		METAL CHIP	33K	0.5%	1/16W
U	R9001		METAL CHIP	100K	0.5%	1/16W
U	R9002		METAL CHIP	68K	0.5%	1/16W
U	R9003		RES-CHIP	100K	5%	1/16W
U	R9005		RES-CHIP	10K	5%	1/16W
U	R9008		METAL CHIP	10K	5%	1/20W
U	R9009		RES-CHIP	100K	5%	1/16W
U	R9010		RES-CHIP	470K	5%	1/16W
U	R9012		RES-CHIP	22K	5%	1/16W
U	R9015		METAL CHIP	100K	5%	1/20W
U	R9016		RES-CHIP	2.2M	5%	1/16W
U	R9017		METAL CHIP	10K	5%	1/20W
U	R9018		METAL CHIP	3.3K	5%	1/20W
U	R9019		RES-CHIP	1K	5%	1/16W
U	R9020		RES-CHIP	51K	5%	1/16W
U	R9022		RES-CHIP	10K	5%	1/16W
U	R9023		RES-CHIP	4.7K	5%	1/16W
U	R9024		RES-CHIP	10K	5%	1/16W
U	R9025		RES-CHIP	1M	5%	1/16W
U	R9026		RES-CHIP	10K	5%	1/16W
U	R9027		RES-CHIP	100K	5%	1/16W
U	R9031		SHORT CHIP	0		
U	R9032		RES-CHIP	10K	5%	1/16W
U	R9033		SHORT CHIP	0		
U	R9035		SHORT CHIP	0		
U	R9036		SHORT CHIP	0		
U	R9501		METAL CHIP	100	5%	1/20W
U	R9503		RES-CHIP	22	5%	1/10W
U	R9504		RES-CHIP	22	5%	1/10W
U	R9508		METAL CHIP	33K	0.5%	1/16W
U	R9509		RES-CHIP	22K	5%	1/16W
U	R9511		RES-CHIP	3.3K	5%	1/16W
U	R9512		RES-CHIP	3.3K	5%	1/16W
U	R9513		RES-CHIP	3.3K	5%	1/16W
U	R9514		RES-CHIP	10K	5%	1/16W
U	R9515		RES-CHIP	10K	5%	1/16W
U	R9516		RES-CHIP	10K	5%	1/16W
U	R9517		SHORT CHIP	0		
U	R9520		SHORT CHIP	0		

SC	Ref. No.	Part No.	Description			Remark
U	R9522		SHORT CHIP	0		
U	R9523		SHORT CHIP	0		
U	R9530		RES-CHIP	680	5%	1/16W
U	R9531		RES-CHIP	2.2K	5%	1/16W
U	R9532		RES-CHIP	10K	5%	1/16W
U	R9533		RES-CHIP	10K	5%	1/16W
U	R9534		RES-CHIP	100K	5%	1/16W
U	R9535		RES-CHIP	100K	5%	1/16W
U	R9539		SHORT CHIP	0		
			< NETWORK RESISTOR >			
U	RB2001		RES, NETWORK (CHIP TYPE) 4.7KX2			
U	RB2002		RES, NETWORK (CHIP TYPE) 100KX4			
U	RB2003		RES, NETWORK (CHIP TYPE) 22X2			
U	RB4001		RES, NETWORK (CHIP TYPE) 150X2			
U	RB4002		RES, NETWORK (CHIP TYPE) 150X2			
U	RB4003		RES, NETWORK (CHIP TYPE) 150X4 (2010)			
U	RB4004		RES, NETWORK (CHIP TYPE) 150X4 (2010)			
U	RB4601		RES, NETWORK (CHIP TYPE) 220X4			
U	RB4602		RES, NETWORK (CHIP TYPE) 220X4			
U	RB4603		RES, NETWORK (CHIP TYPE) 22X2			
U	RB4604		RES, NETWORK (CHIP TYPE) 22X2			
U	RB5101		RES, NETWORK (CHIP TYPE) 22X4			
U	RB5102		RES, NETWORK (CHIP TYPE) 22X2			
U	RB5201		RES, NETWORK (CHIP TYPE) 22X4			
U	RB5203		RES, NETWORK (CHIP TYPE) 220X2			
U	RB5301		RES, NETWORK (CHIP TYPE) 22X4			
U	RB6601		RES, NETWORK (CHIP TYPE) 22X2			
U	RB6602		RES, NETWORK (CHIP TYPE) 4.7KX2			
U	RB7001		RES, NETWORK (CHIP TYPE) 22X2			
U	RB9551		RES, NETWORK (CHIP TYPE) 22X2			
U	RB9552		RES, NETWORK (CHIP TYPE) 10X2			
			< SWITCH >			
S	S3002	1-771-449-11	SWITCH, SLIDE			
S	S9001	1-798-072-11	SWITCH, PUSH			
S	S9002	1-771-183-11	SWITCH, PUSH (1 KEY)			
			< VARISTOR >			
U	VD2001		VARISTOR (SMD) (1005)			
U	VD2002		VARISTOR (SMD) (1005)			
U	VD2003		VARISTOR (SMD) (1005)			
U	VD2004		VARISTOR (SMD) (1005)			
U	VD3001		VARISTOR, CHIP			
U	VD5503		VARISTOR, CHIP			
U	VD5504		VARISTOR, CHIP			
U	VD6601		VARISTOR (SMD) (1005)			
			< VIBRATOR >			
U	X1501		VIBRATOR, CRYSTAL (27MHz)			
U	X3001		VIBRATOR, CERAMIC (4MHz)			
U	X3002		VIBRATOR, CRYSTAL (32.768kHz)			