

HISTORY INFORMATION FOR THE FOLLOWING MANUAL:

SERVICE MANUAL

AZ1-K CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>
<i>KDL-55EX500</i>	<i>RM-YD035</i>	<i>US/CND</i>
<i>KDL-55EX500</i>	<i>RM-YD035</i>	<i>MX</i>
<i>KDL-55EX501</i>	<i>RM-YD035</i>	<i>US/CND</i>
<i>KDL-60EX500</i>	<i>RM-YD035</i>	<i>US/CND</i>
<i>KDL-60EX500</i>	<i>RM-YD035</i>	<i>MX</i>

LEVEL 3
CONFIDENTIAL

CONFIDENTIAL
ELECTRICAL SERVICE MANUAL
INTERNAL ONLY

ORIGINAL MANUAL ISSUE DATE: 1/2010

REVISION DATE

SUBJECT

1/2010

No revisions or updates are applicable at this time.

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SAFETY-RELATED COMPONENT WARNING

There are critical components used in LCD color TVs that are important for safety. These components are identified with shading and \triangle mark on the schematic diagrams and the electrical parts list. It is essential that these critical parts be replaced only with the part number specified in the electrical parts list to prevent electric shock, fire, or other hazard.

NOTE: Do not modify the original design without obtaining written permission from the manufacturer or you will void the original parts and labor guarantee.

USE CAUTION WHEN HANDLING THE LCD PANEL

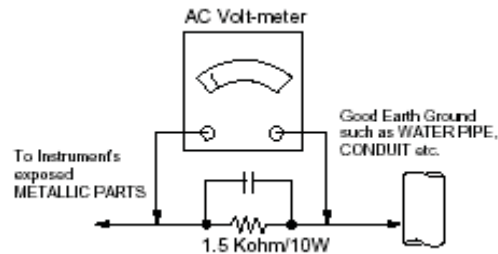
When repairing the LCD panel, be sure you are grounded by using a wrist band.

When installing the LCD panel on a wall, the LCD panel must be secured using the 4 mounting holes on the rear cover.

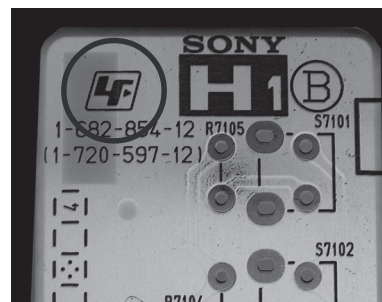
To avoid damaging the LCD panel:

- do not press on the panel or frame edge to avoid the risk of electric shock.
- do not scratch or press on the panel with any sharp objects.
- do not leave the module in high temperatures or in areas of high humidity for an extended period of time.
- do not expose the LCD panel to direct sunlight.
- avoid contact with water. It may cause a short circuit within the module.
- disconnect the AC adapter when replacing the backlight (CCFL) or inverter circuit.
(High voltage occurs at the inverter circuit at 650Vrms.)
- always clean the LCD panel with a soft cloth material.
- use care when handling the wires or connectors of the inverter circuit. Damaging the wires may cause a short.
- protect the panel from ESD to avoid damaging the electronic circuit (C-MOS).

LEAKAGE CURRENT HOT CHECK CIRCUIT



The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. H1 etc [see example]. The servicing of these boards requires special precautions to be taken as outlined below.



example

It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Part number	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to <http://www.sony-training.com>

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 touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

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 microamperes). 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 instructions.
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's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble- light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

Leakage Test

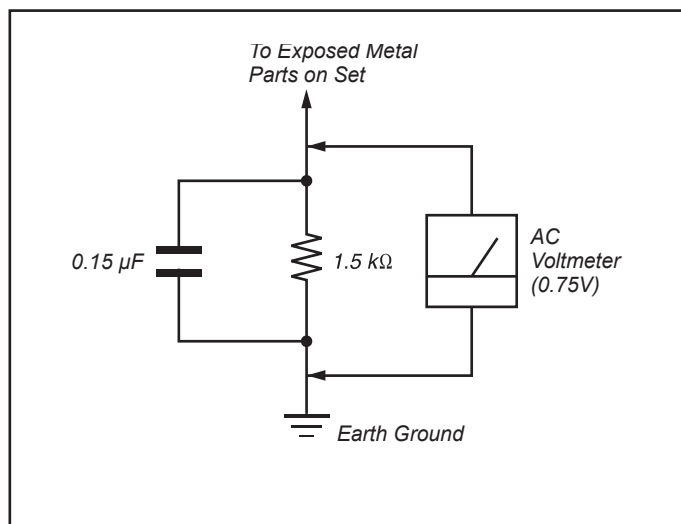


Figure A. Using an AC voltmeter to check AC leakage.

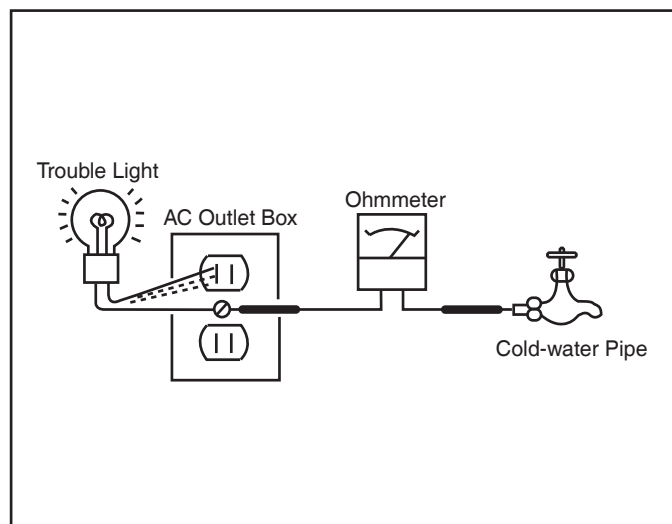
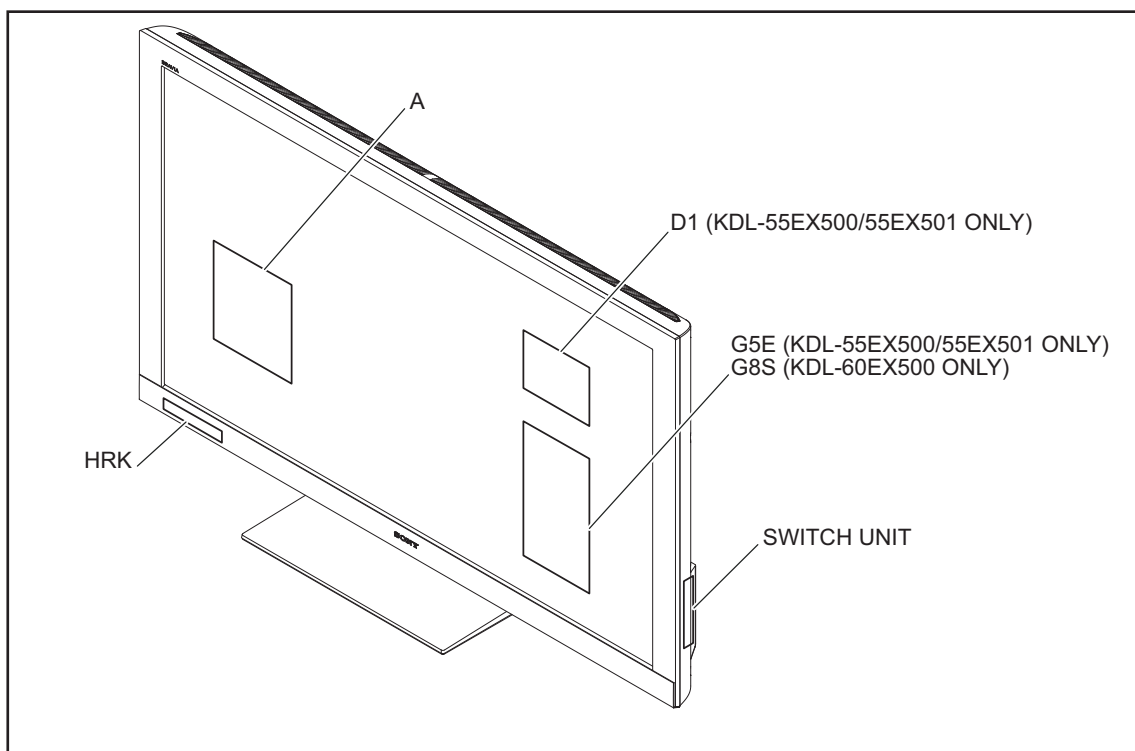


Figure B. Checking for earth ground.

SECTION 1: DIAGRAMS

1-1. CIRCUIT BOARDS LOCATION



1-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. $\text{k}\Omega=1000\Omega$, $\text{M}\Omega=1000\text{k}\Omega$

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch : 5mm

Rating electrical power : $\frac{1}{4}$ W

$\frac{1}{4}$ W in resistance, $\frac{1}{10}$ W and $\frac{1}{16}$ W in chip resistance.

: nonflammable resistor

: fusible resistor

: internal component

: panel designation and adjustment for repair

: earth ground

: earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a $10\text{M}\Omega$ digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S : Measurement impossibility.

: B+line.

: B-line. (Actual measured value may be different).

: signal path. (RF)

Circled numbers are waveform references.

The components identified by shading and symbol are critical for safety. Replace only with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

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

Le symbole indique une fusible à action rapide. Doit être remplacé par une fusible de même valeur, comme marqué.

NOTE: The components identified by a red outline and a mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

REFERENCE INFORMATION

RESISTOR

: RN METAL FILM
 : RC SOLID
 : FPRD NONFLAMMABLE CARBON
 : FUSE NONFLAMMABLE FUSIBLE
 : RW NONFLAMMABLE WIREWOUND
 : RS NONFLAMMABLE METAL OXIDE
 : RB NONFLAMMABLE CEMENT
 : ※ ADJUSTMENT RESISTOR

CAPACITOR

: TA TANTALUM
 : PS STYROL
 : PP POLYPROPYLENE
 : PT MYLAR
 : MPS METALIZED POLYESTER
 : MPP METALIZED POLYPROPYLENE
 : ALB BIPOLAR
 : ALT HIGH TEMPERATURE
 : ALR HIGH RIPPLE

COIL

: LF-8L MICRO INDUCTOR

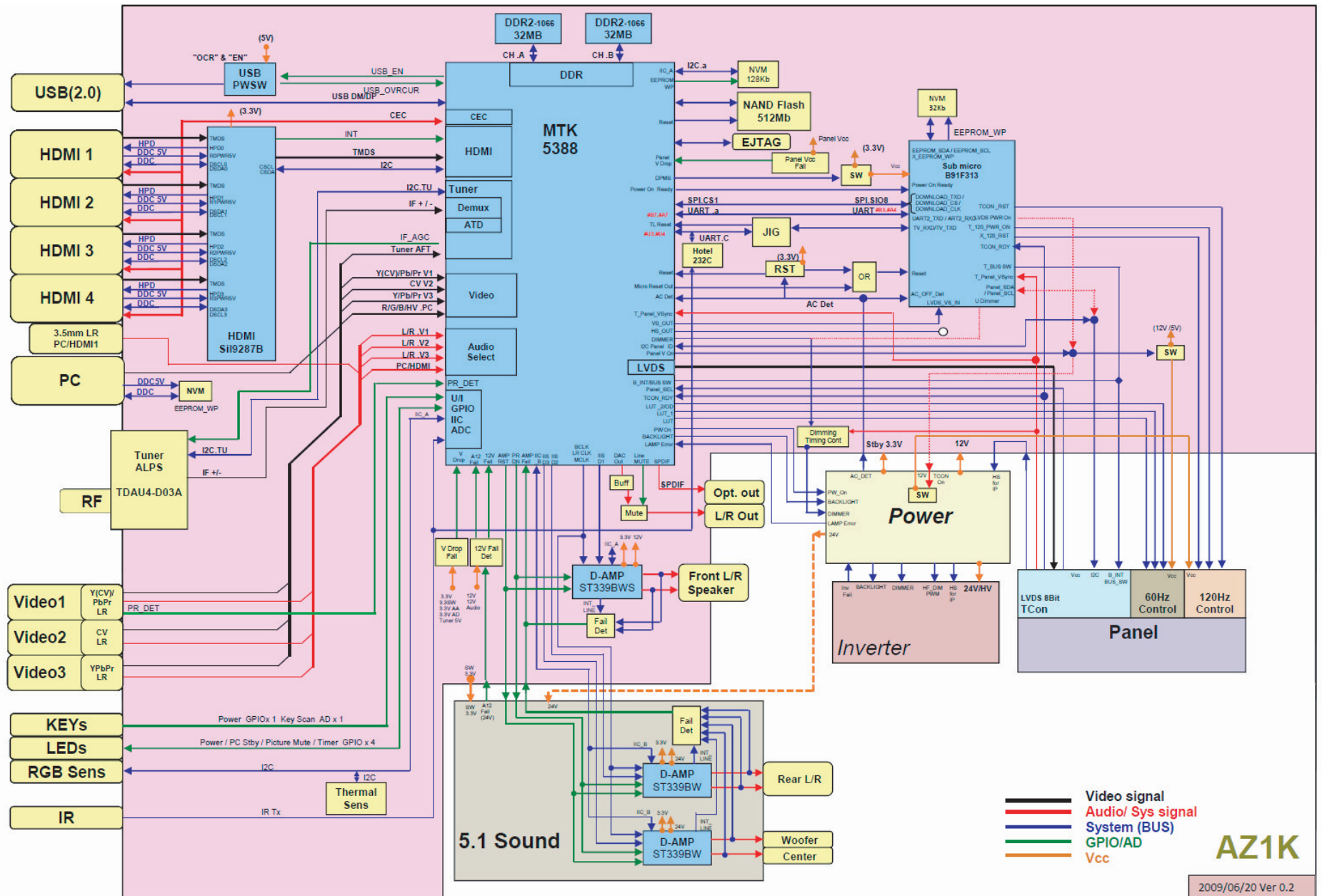
Terminal name of semiconductors in silk screen printed circuit (※)

	Device	Printed symbol	Terminal name	Circuit
1	Transistor		Collector Base Emitter	
2	Transistor		Collector Base Emitter	
3	Diode		Cathode Anode	
4	Diode		Cathode Anode (NC)	
5	Diode		Cathode Anode (NC)	
6	Diode		Common Anode Cathode	
7	Diode		Common Anode Cathode	
8	Diode		Common Anode Anode	
9	Diode		Common Anode Anode	
10	Diode		Common Cathode Cathode	
11	Diode		Common Cathode Cathode	
12	Diode		Anode Cathode Anode Cathode	
13	Transistor (FET)		Drain Source Gate	
14	Transistor (FET)		Drain Source Gate	
15	Transistor (FET)		Source Drain Gate	
16	Transistor		Emitter Collector Base	
17	Transistor		C2 B1 E1 E2 B2 C1	
18	Transistor		C1 B2 E2 E1 B1 C2	
19	Transistor		C1 B2 E2 E1 B1 C2	
20	Transistor		C1 B2 E2 E1 B1 C2	
21	Transistor		E2 B1 E1 C2 C1(B2)	
22	Transistor		(B2) B1 E1 E2 C1 C2	
23	Transistor		(B2) E2 E1 B1 C2 C1	
—	Discrete semiconductor			

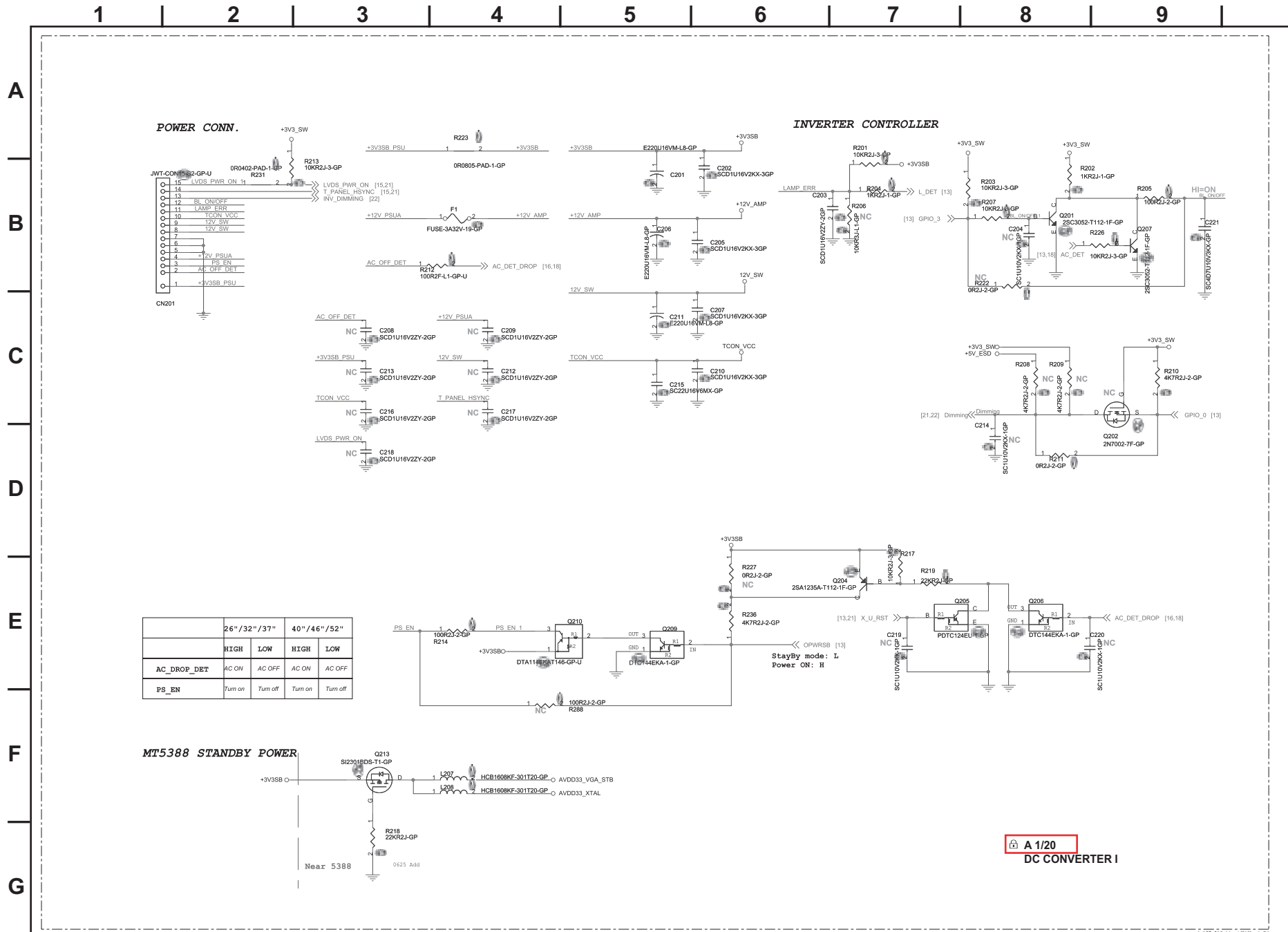
(Chip semiconductors that are not actually used are included.)

Ver.1.6

1-3. BLOCK DIAGRAMS

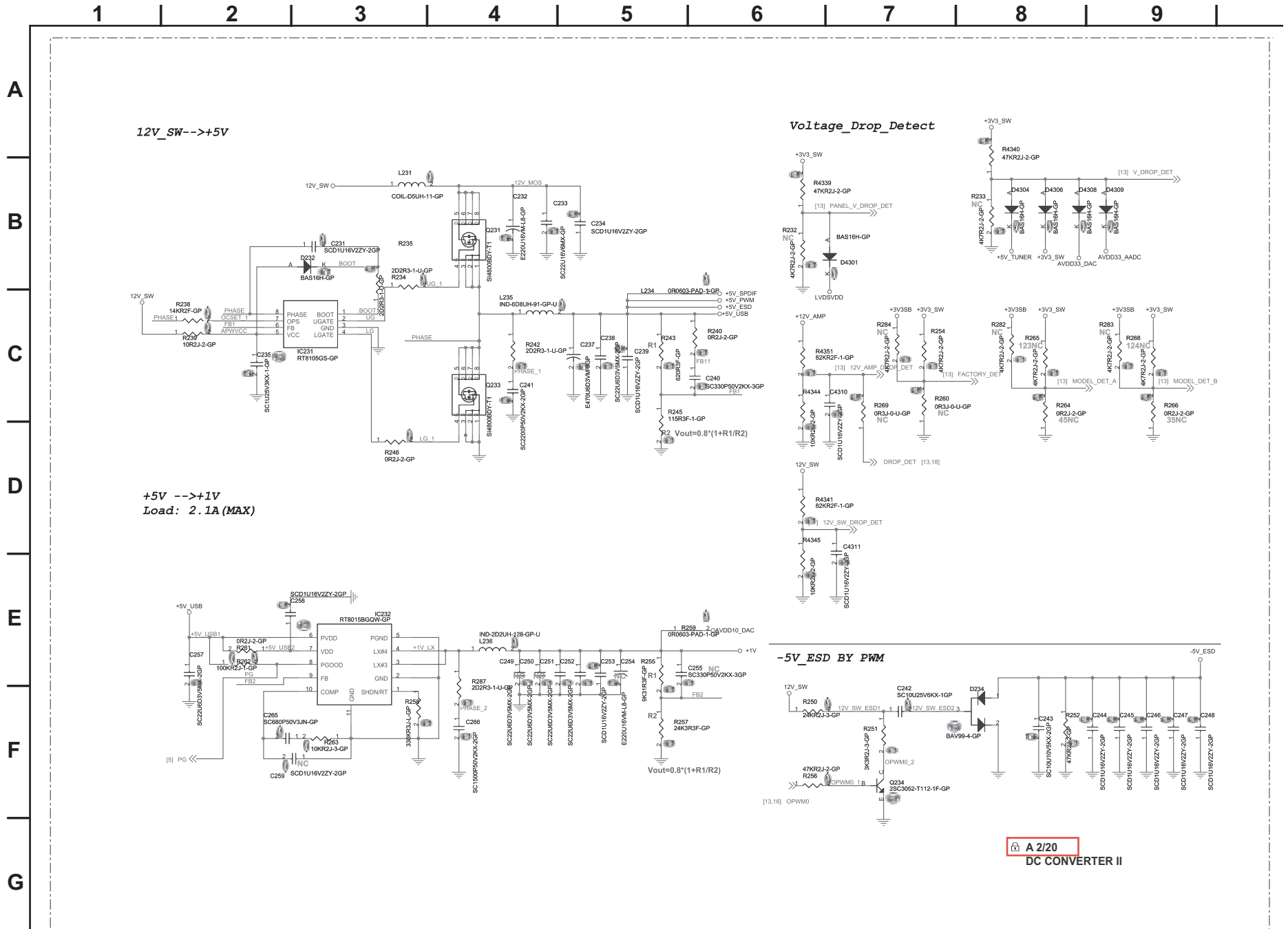


1-4. SCHEMATICS AND SUPPORTING INFORMATION A BOARD SCHEMATIC DIAGRAM (1 OF 20)



A 1/20
DC CONVERTER I

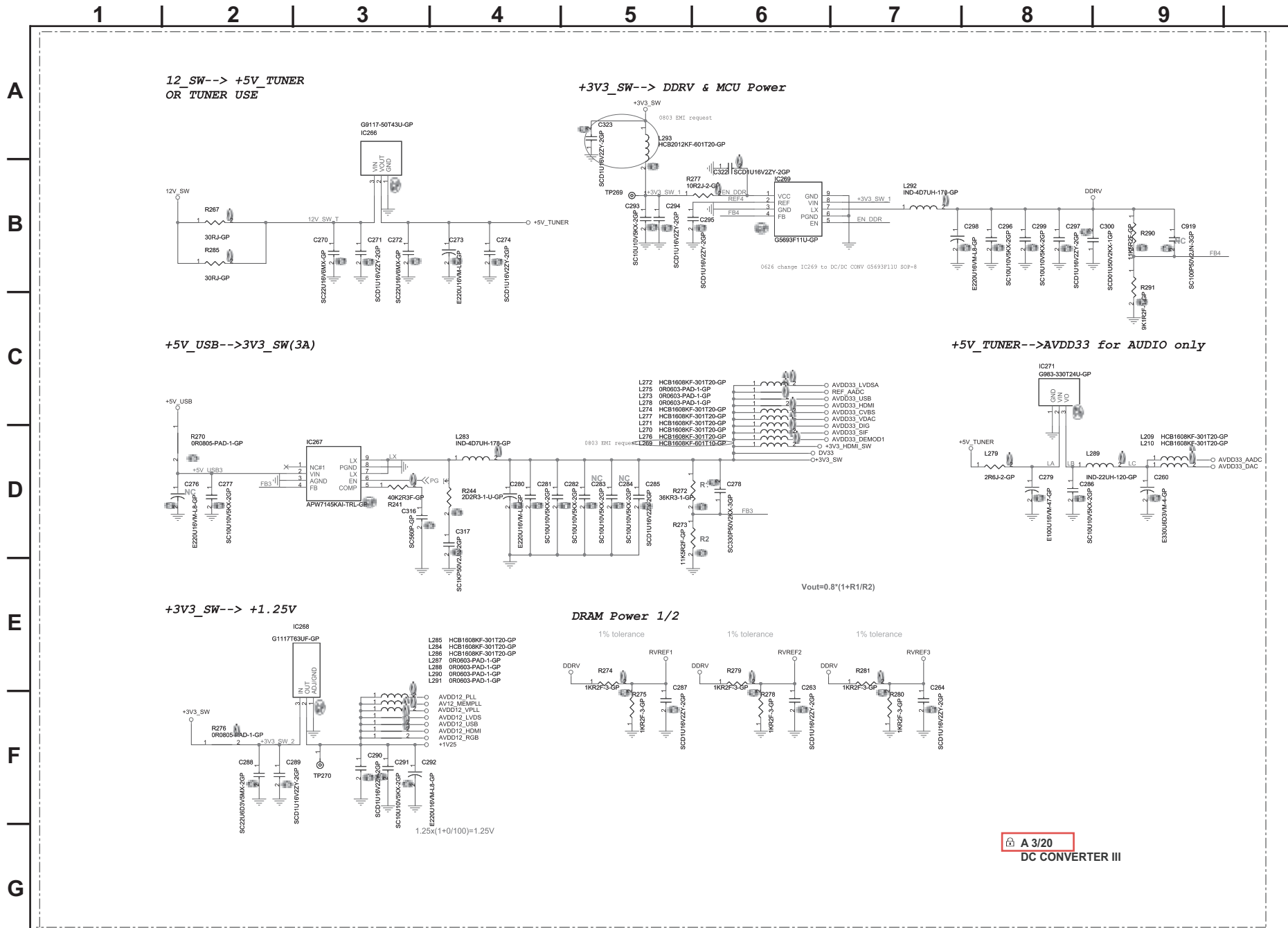
A BOARD SCHEMATIC DIAGRAM (2 OF 20)



A 2/20

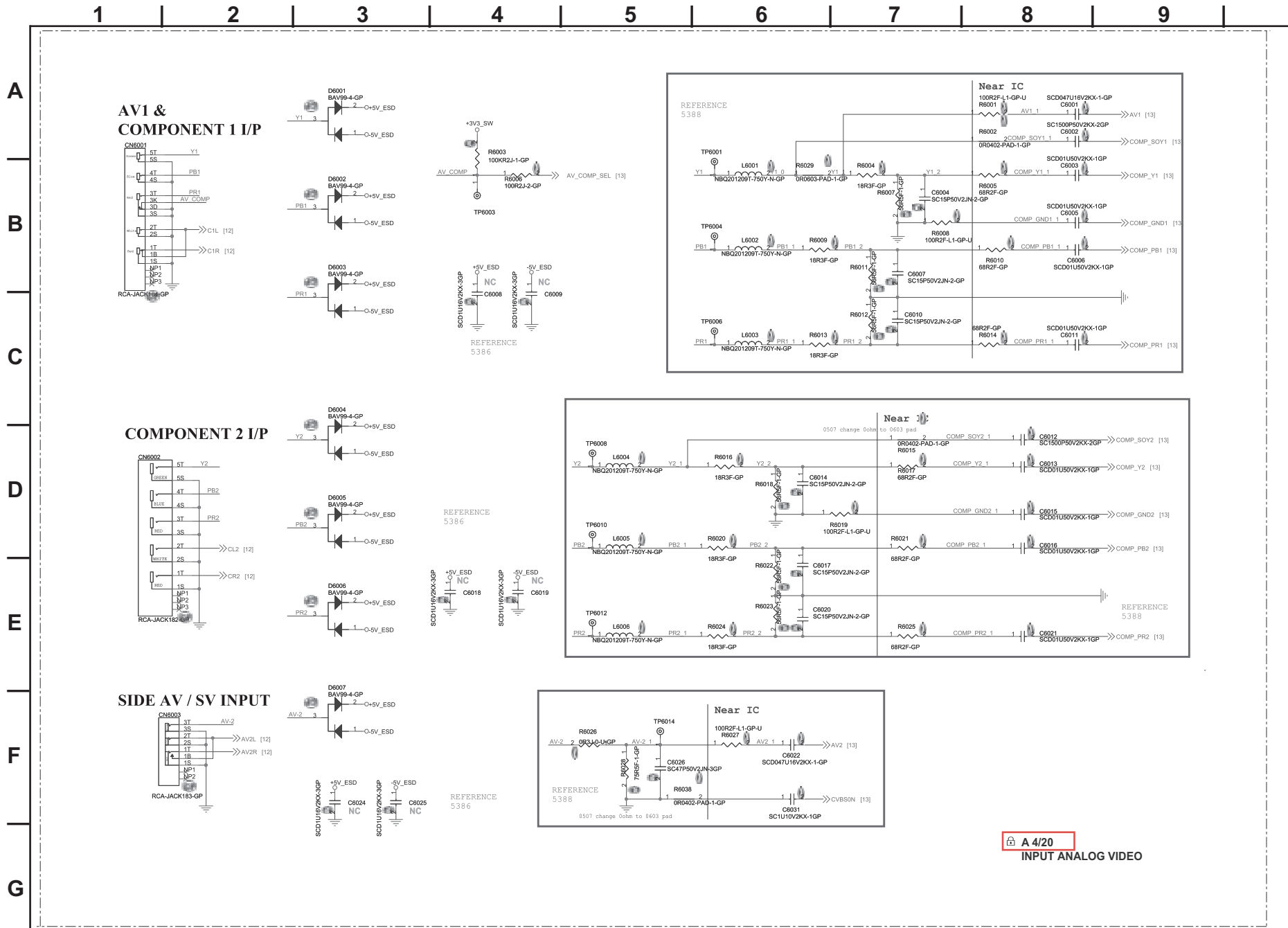
DC CONVERTER II

A BOARD SCHEMATIC DIAGRAM (3 OF 20)



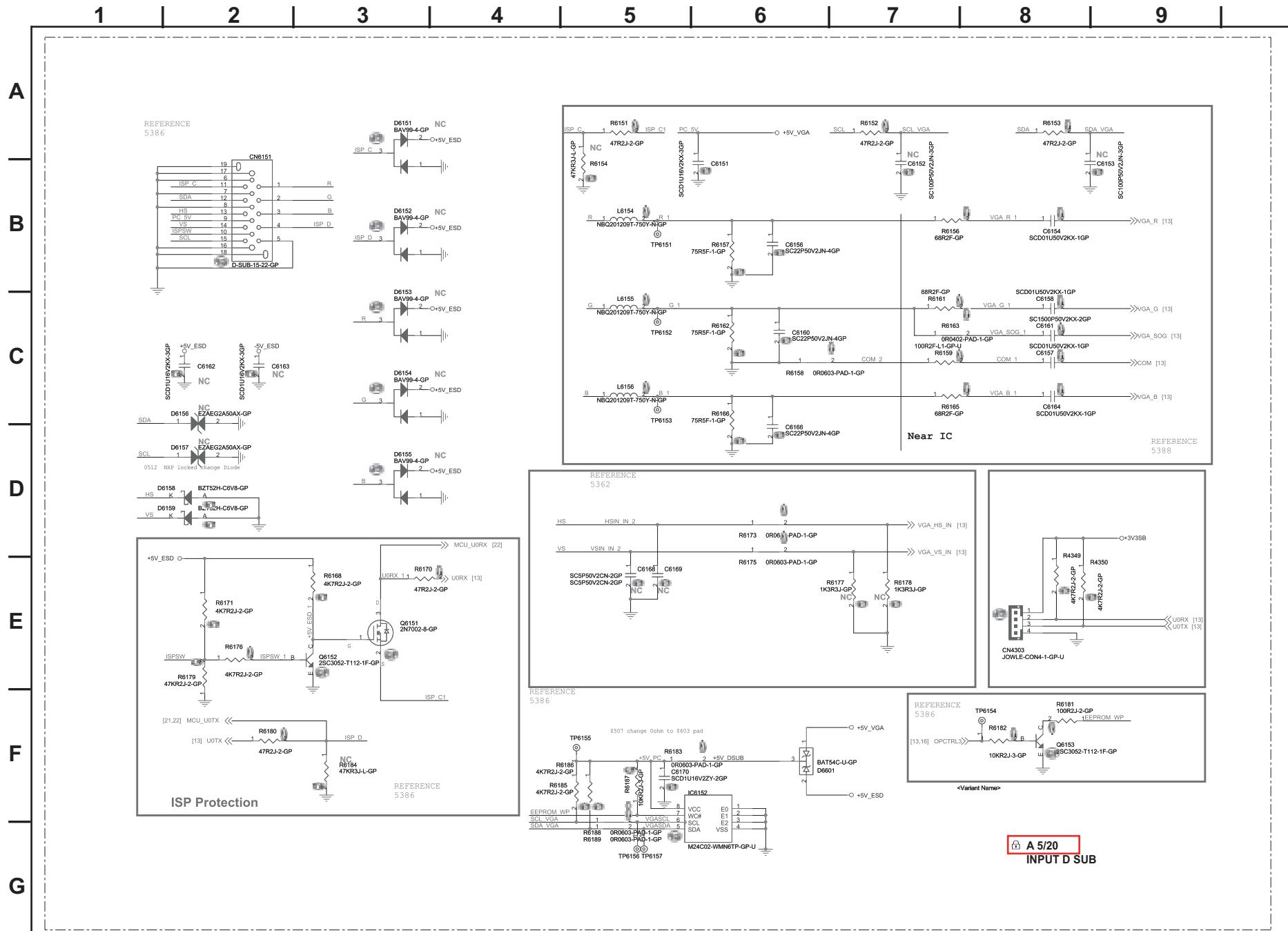
A 3/20
DC CONVERTER III

A BOARD SCHEMATIC DIAGRAM (4 OF 20)



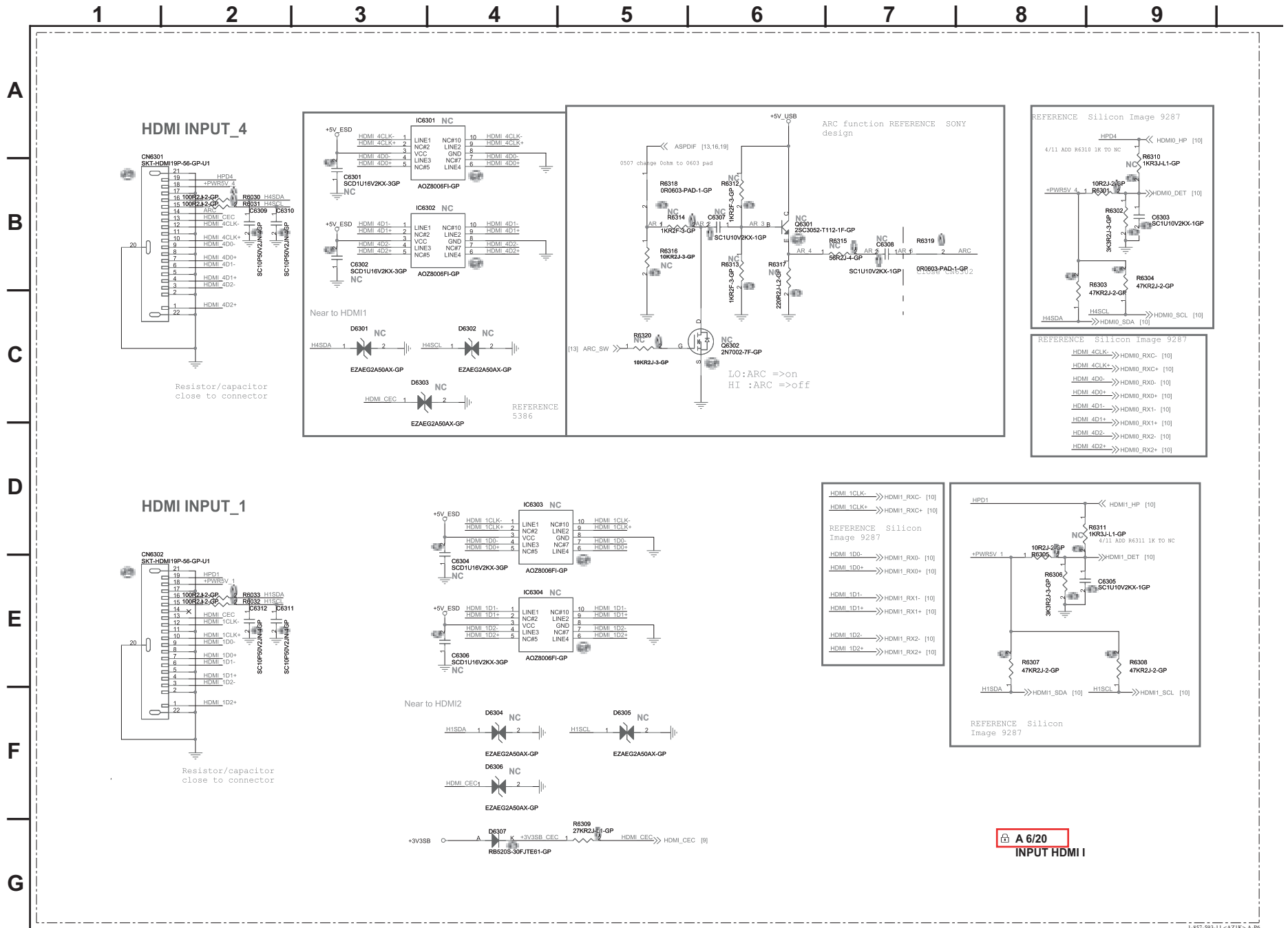
A 4/20
INPUT ANALOG VIDEO

A BOARD SCHEMATIC DIAGRAM (5 OF 20)



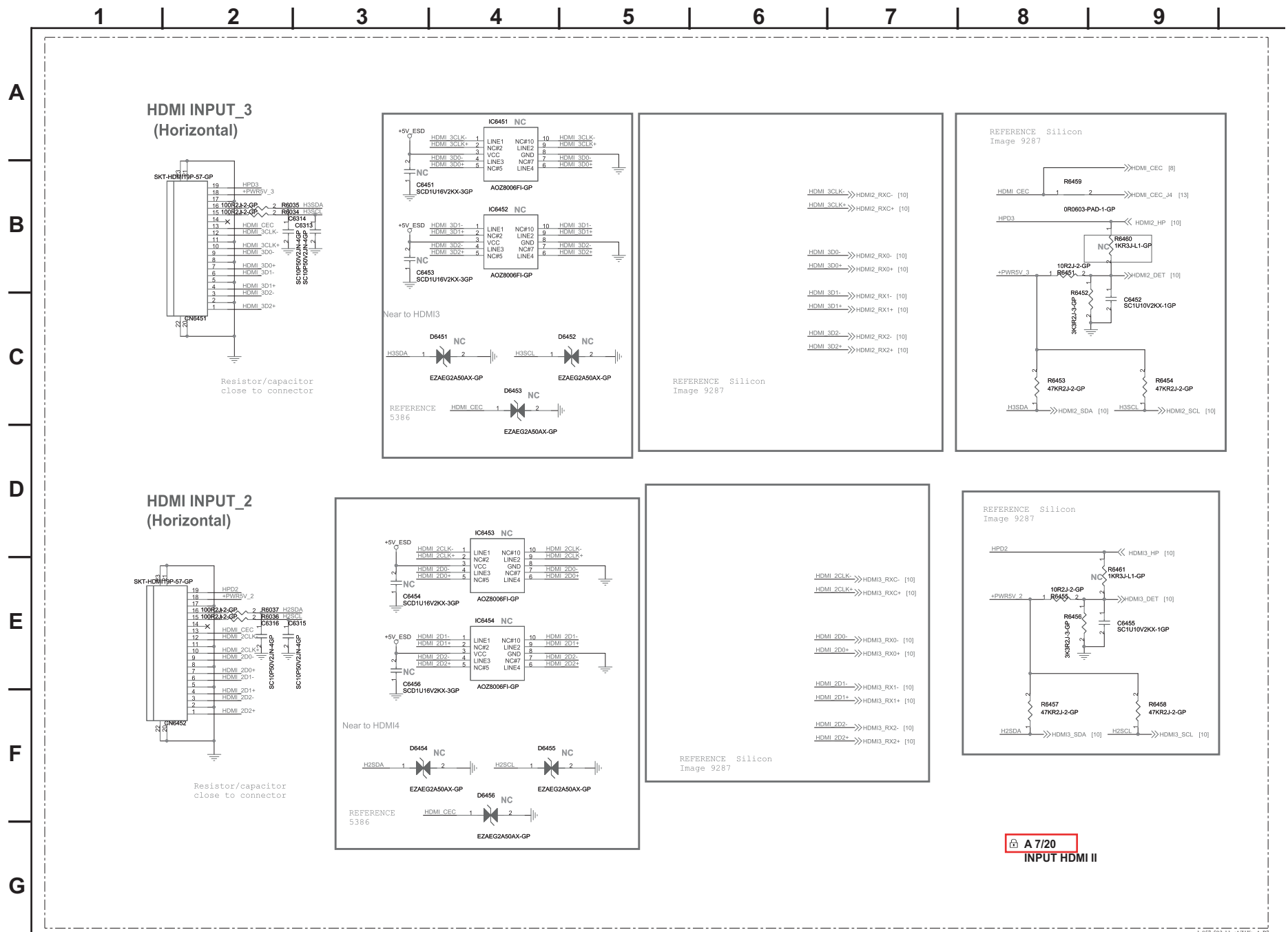
A 5/20
INPUT D SUB

A BOARD SCHEMATIC DIAGRAM (6 OF 20)



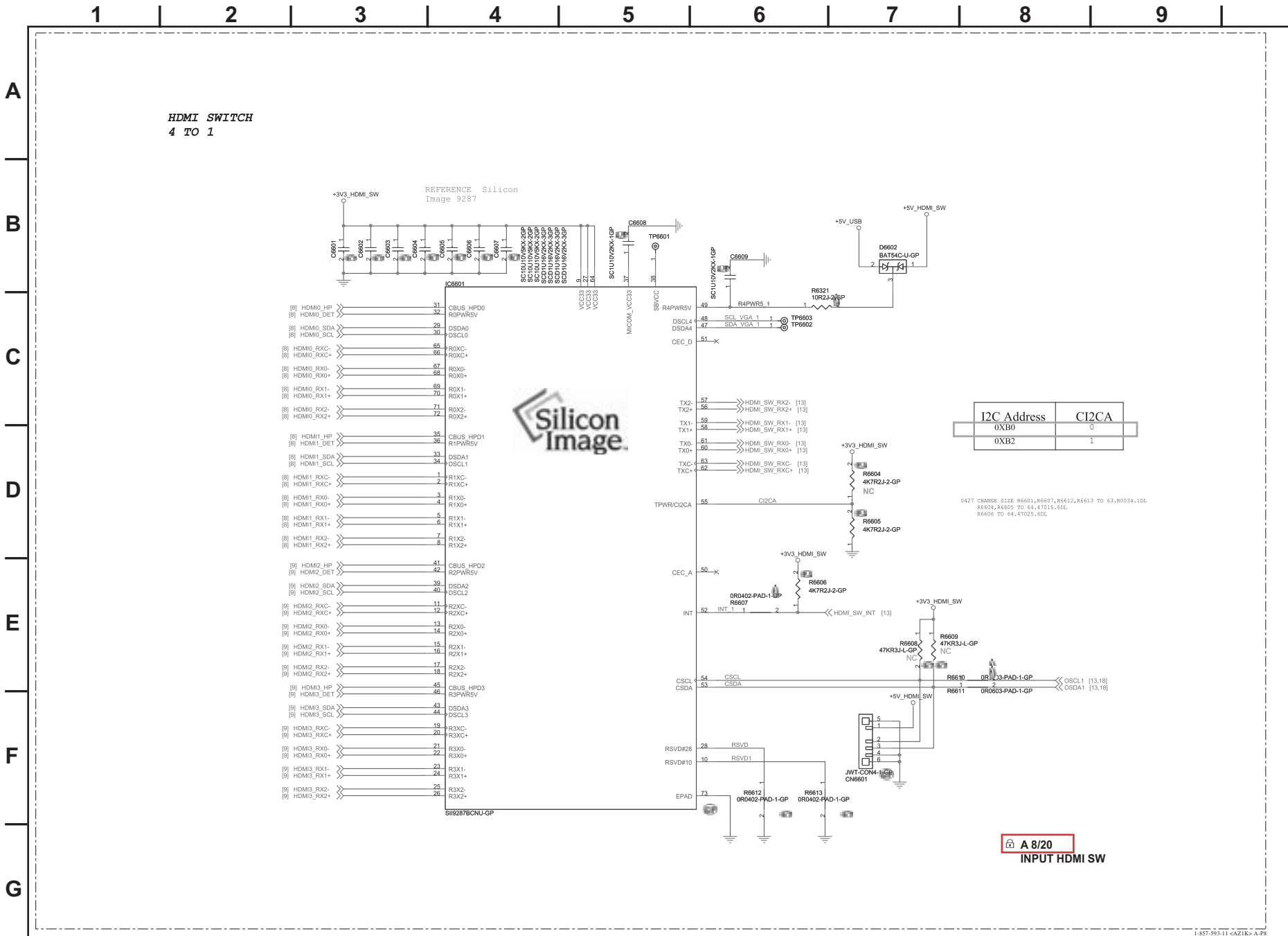
A 6/20
INPUT HDMI I

A BOARD SCHEMATIC DIAGRAM (7 OF 20)

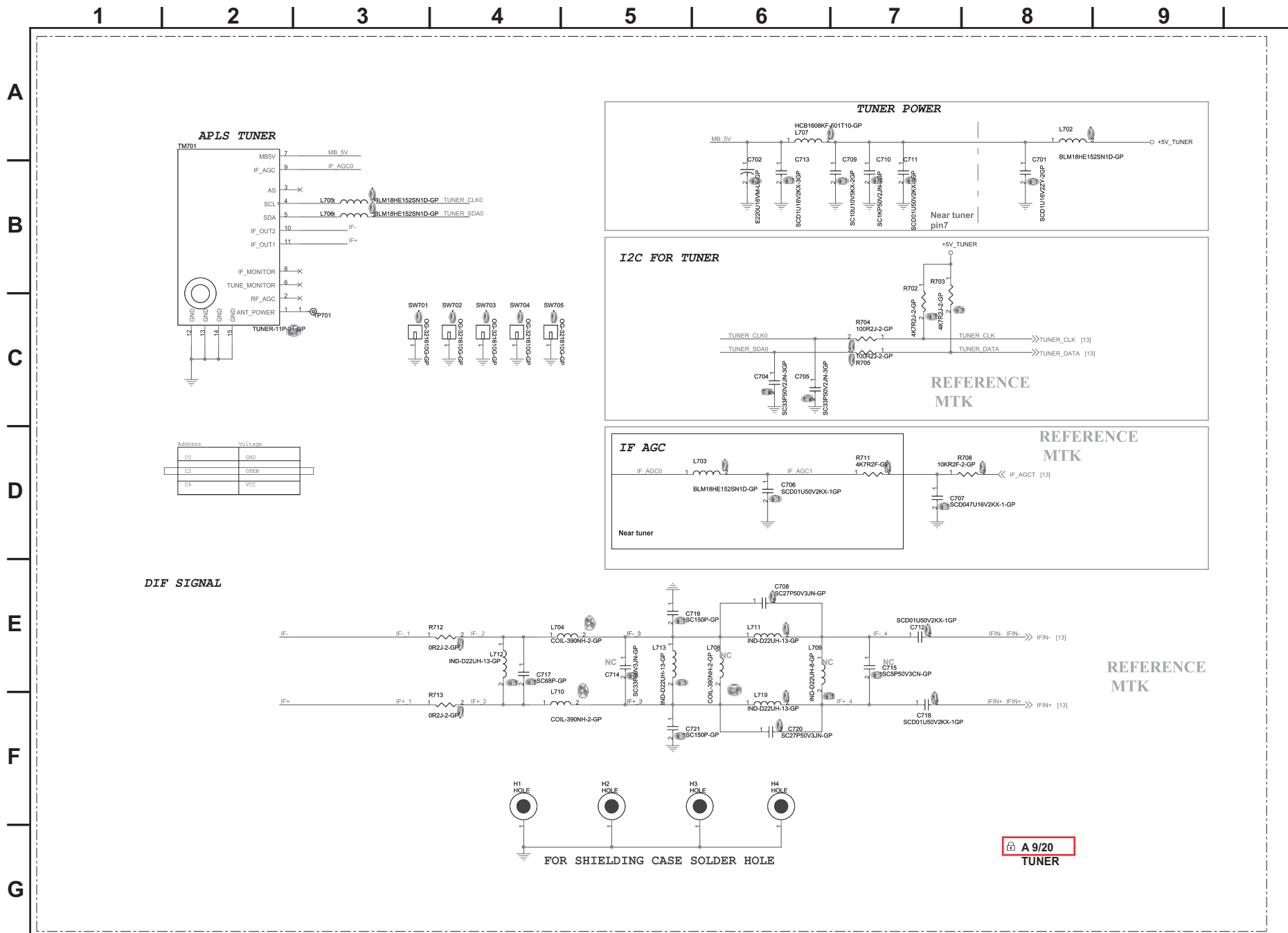


A 7/20
INPUT HDMI II

A BOARD SCHEMATIC DIAGRAM (8 OF 20)

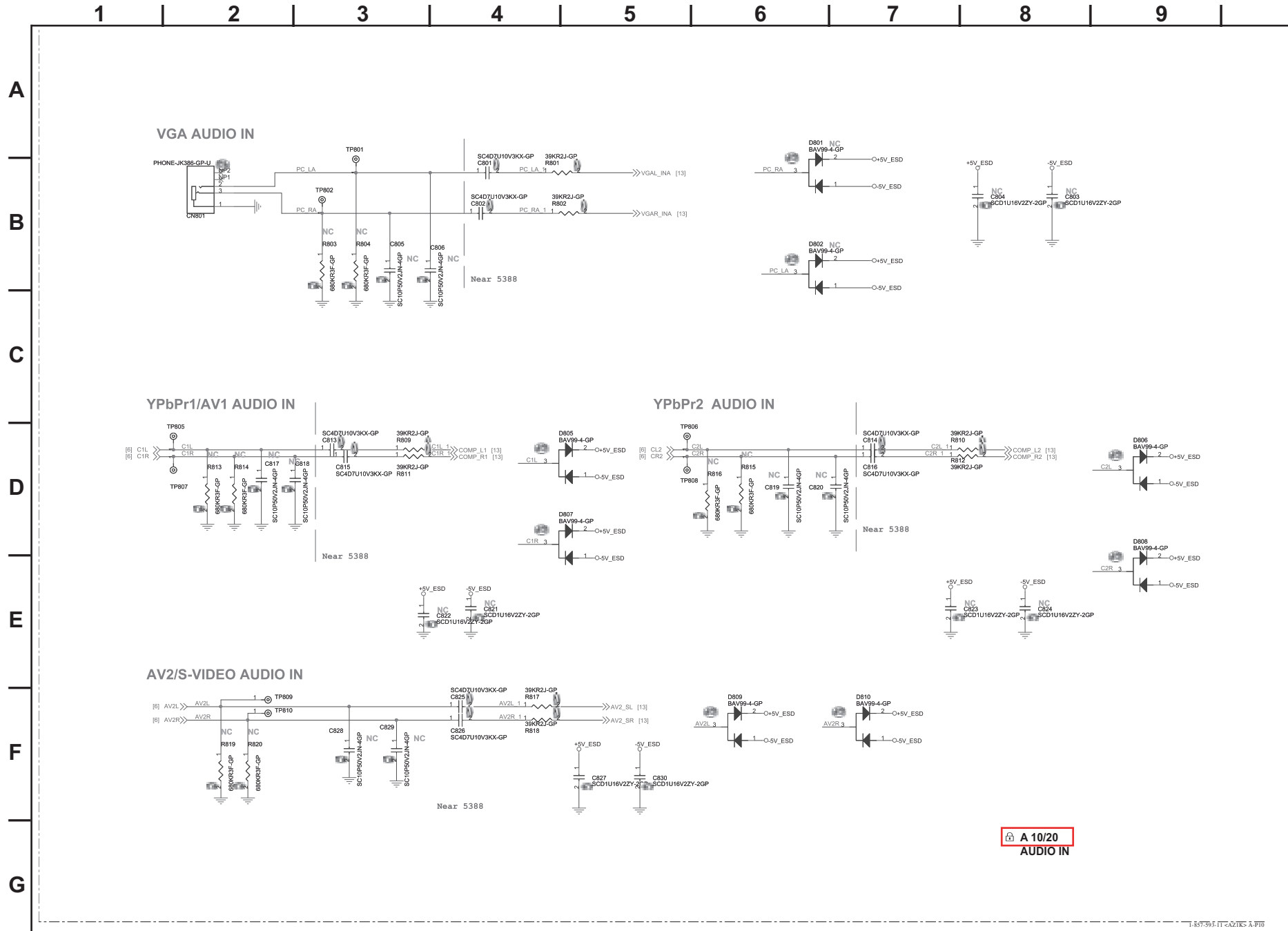


A BOARD SCHEMATIC DIAGRAM (9 OF 20)



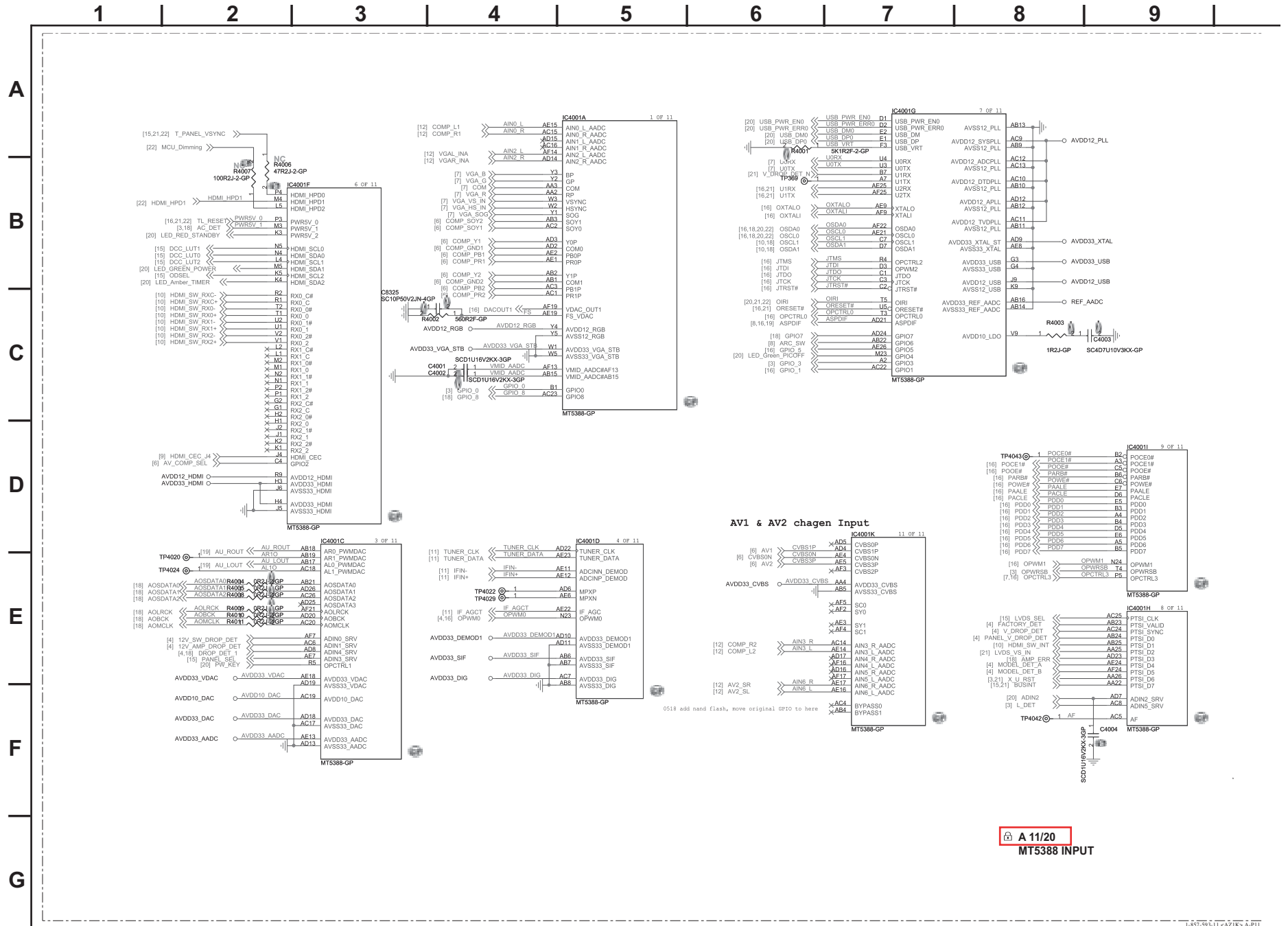
A 9/20
TUNER

A BOARD SCHEMATIC DIAGRAM (10 OF 20)



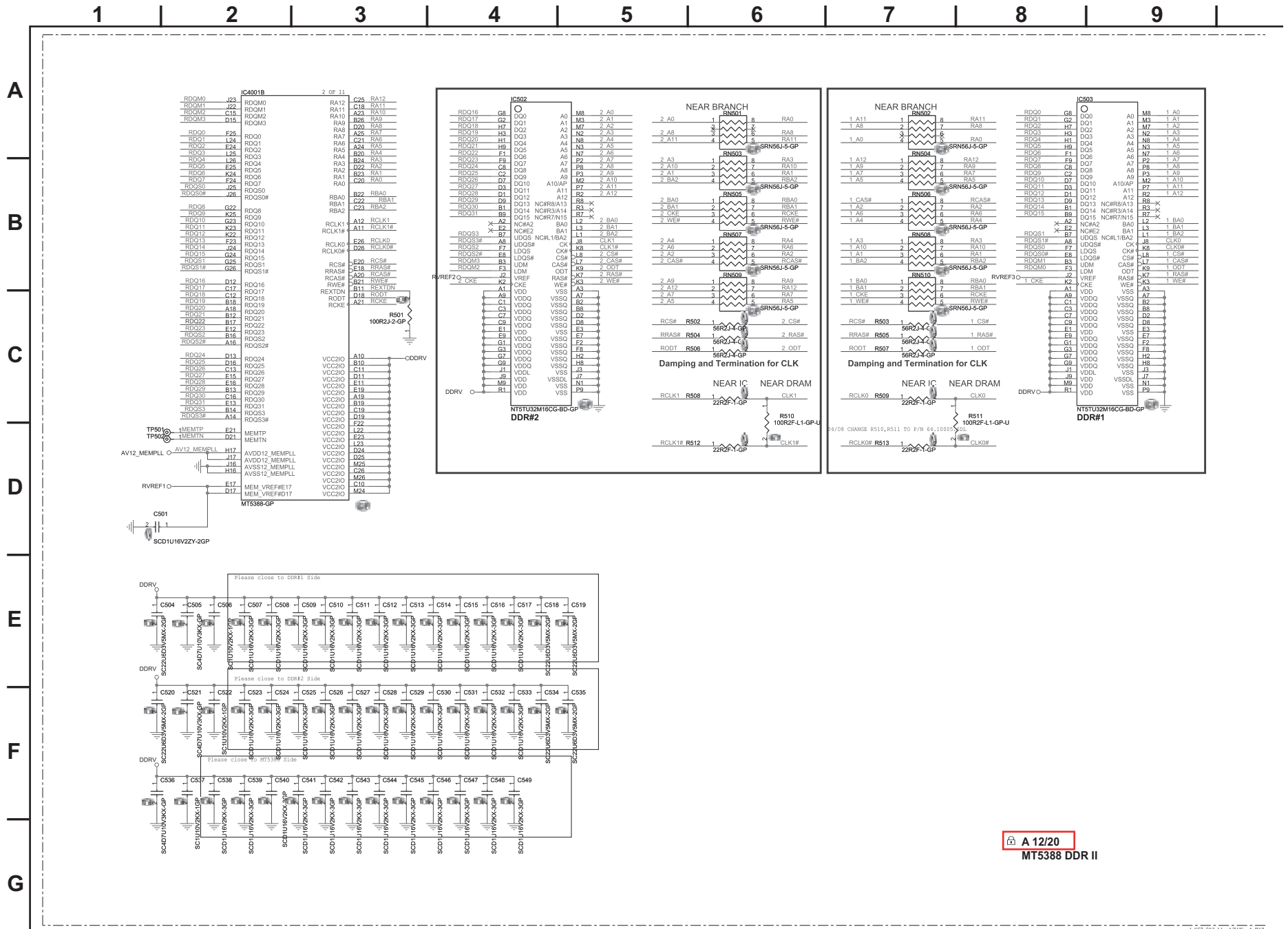
A 10/20
AUDIO IN

A BOARD SCHEMATIC DIAGRAM (11 OF 20)



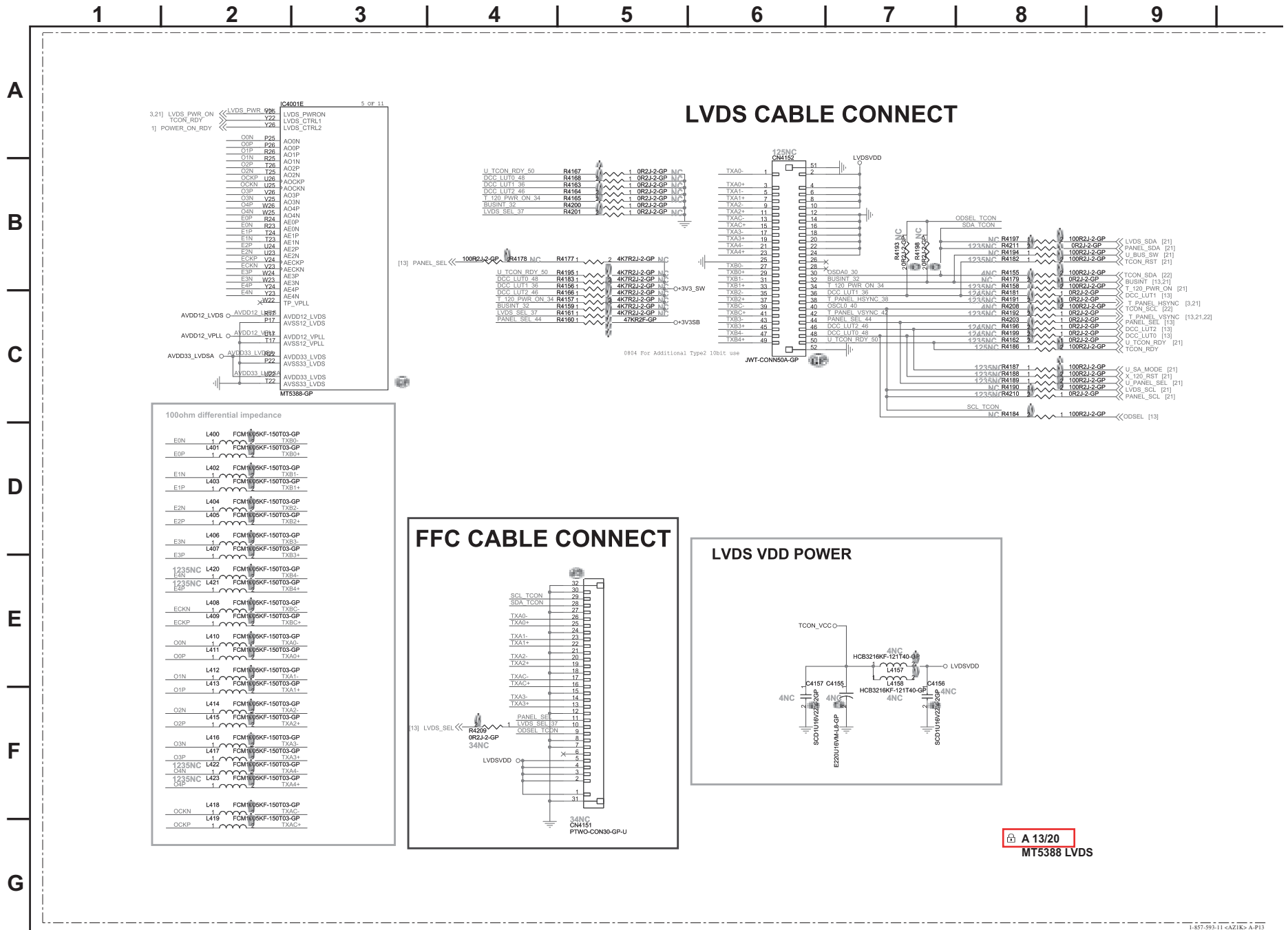
A 11/20
MT5388 INPUT

A BOARD SCHEMATIC DIAGRAM (12 OF 20)



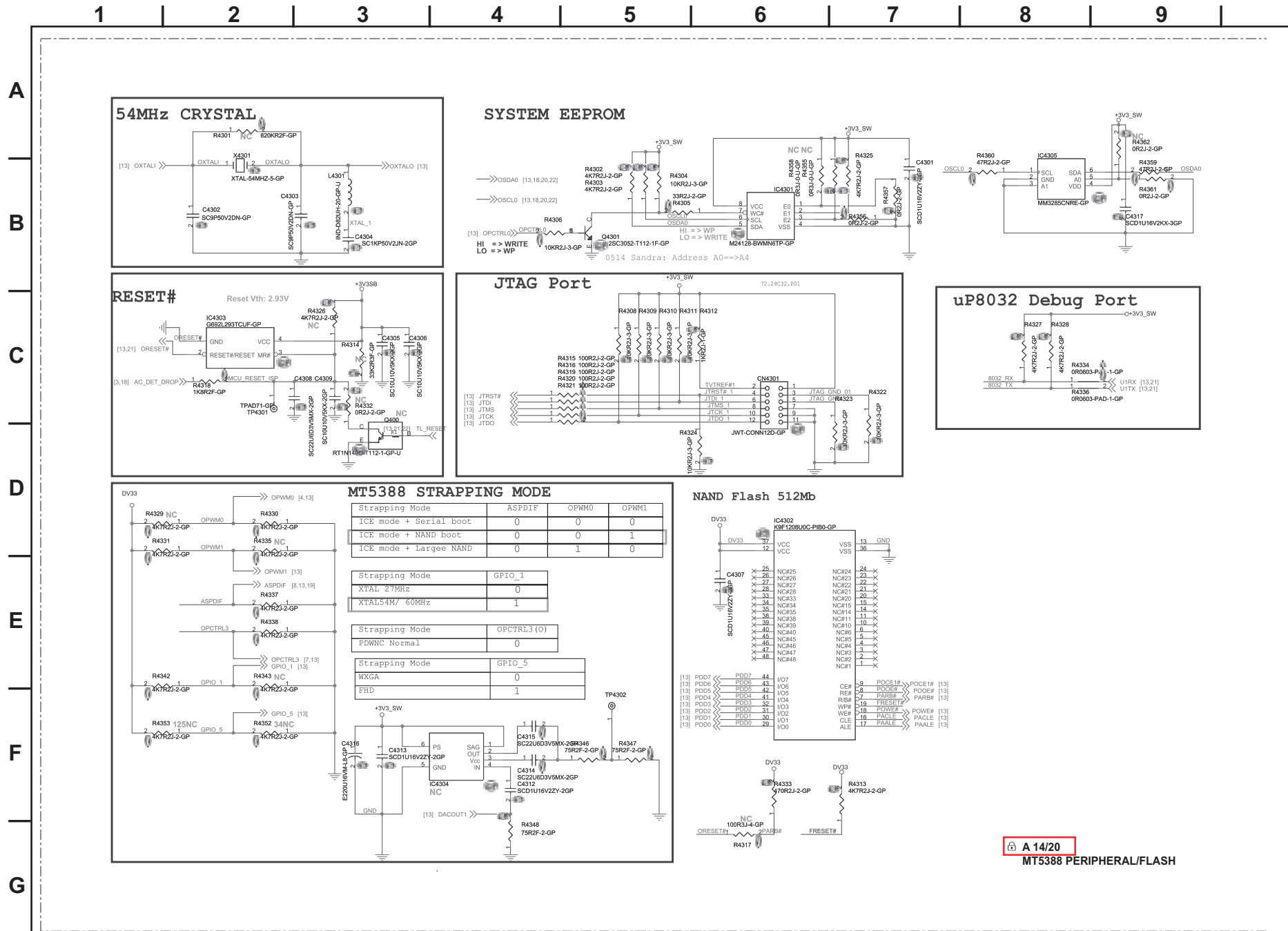
A 12/20
MT5388 DDR II

A BOARD SCHEMATIC DIAGRAM (13 OF 20)

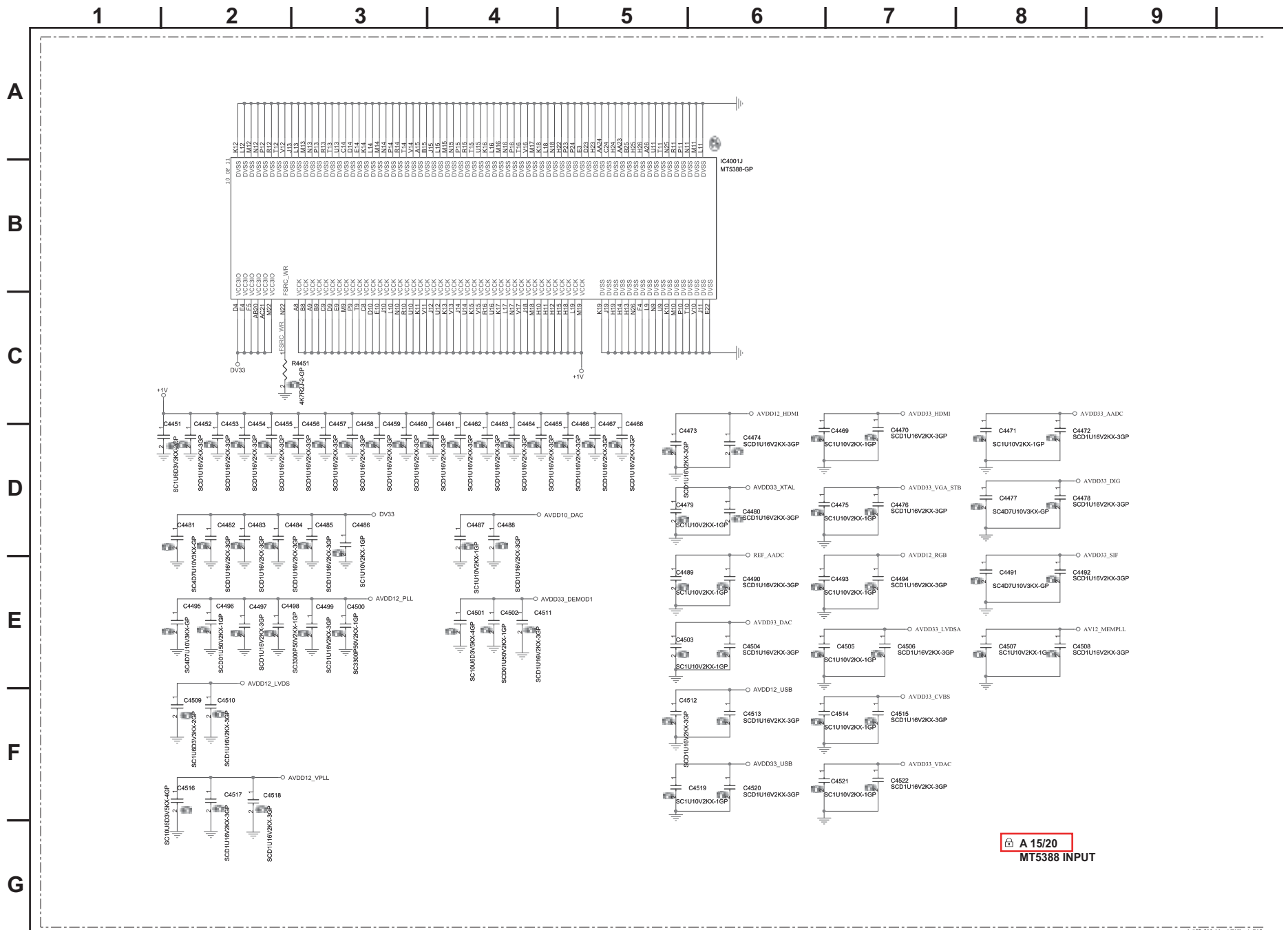


A 13/20
MT5388 LVDS

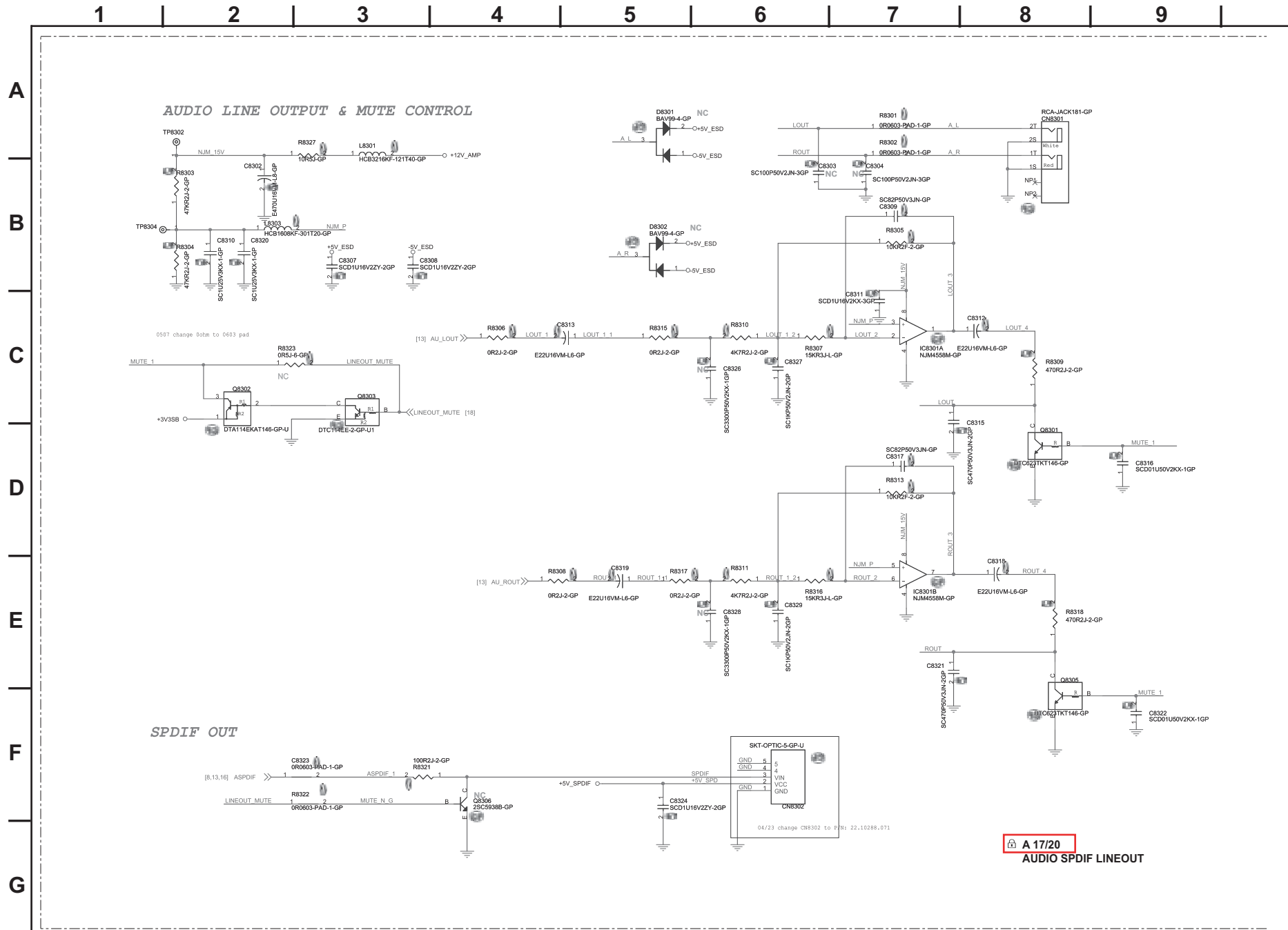
A BOARD SCHEMATIC DIAGRAM (14 OF 20)



A BOARD SCHEMATIC DIAGRAM (15 OF 20)

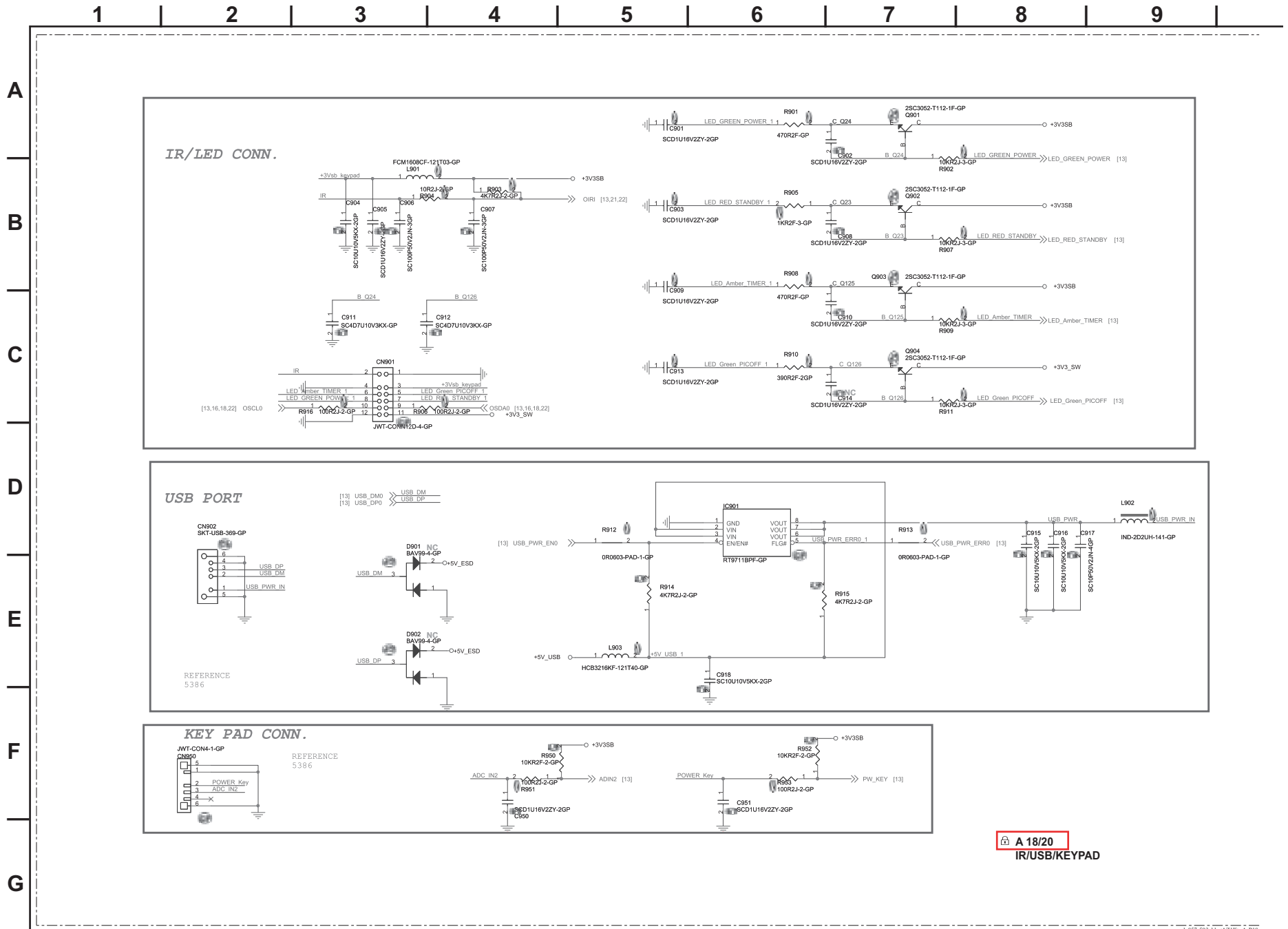


A BOARD SCHEMATIC DIAGRAM (17 OF 20)



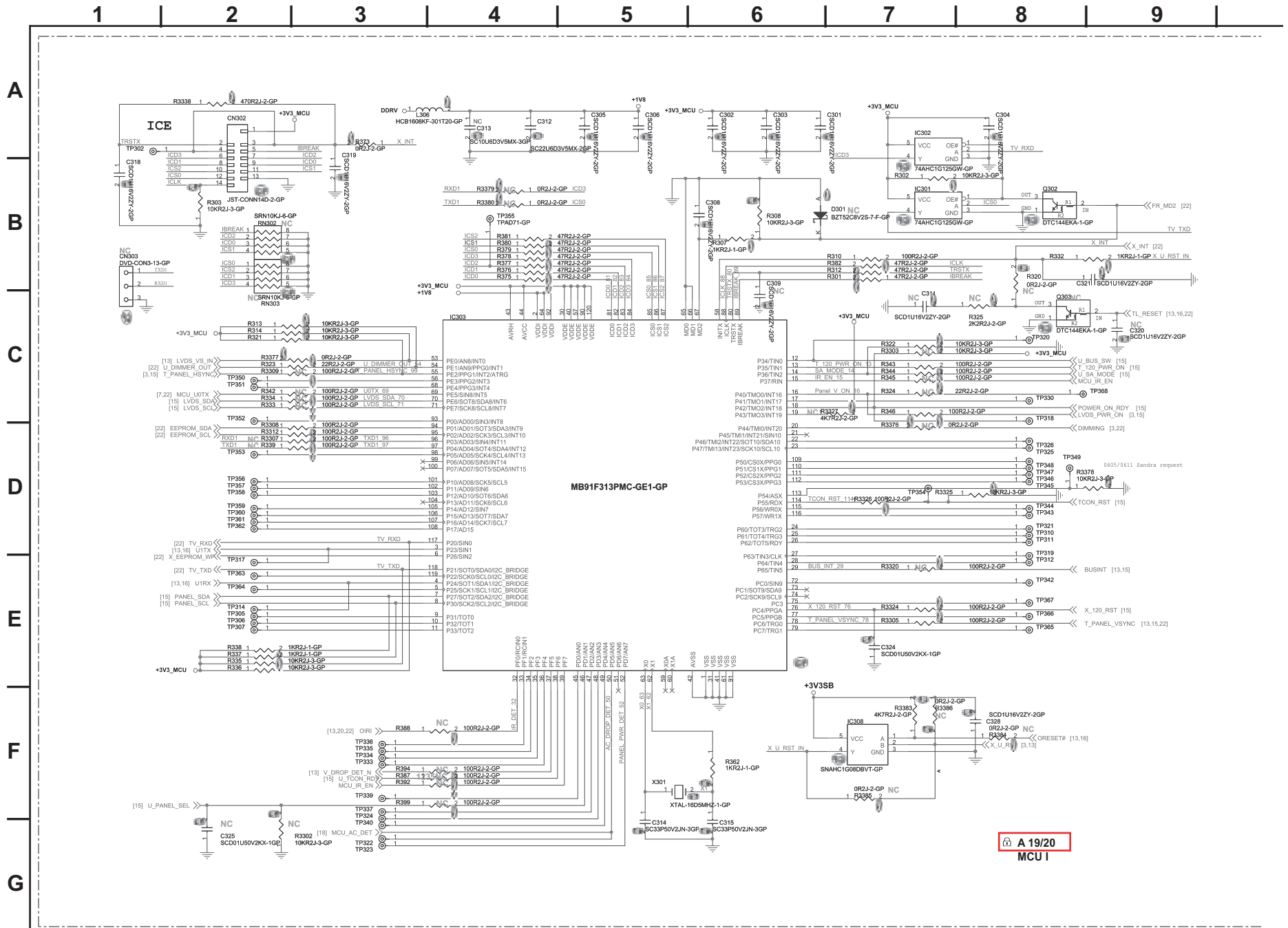
A 17/20
AUDIO SPDIF LINEOUT

A BOARD SCHEMATIC DIAGRAM (18 OF 20)



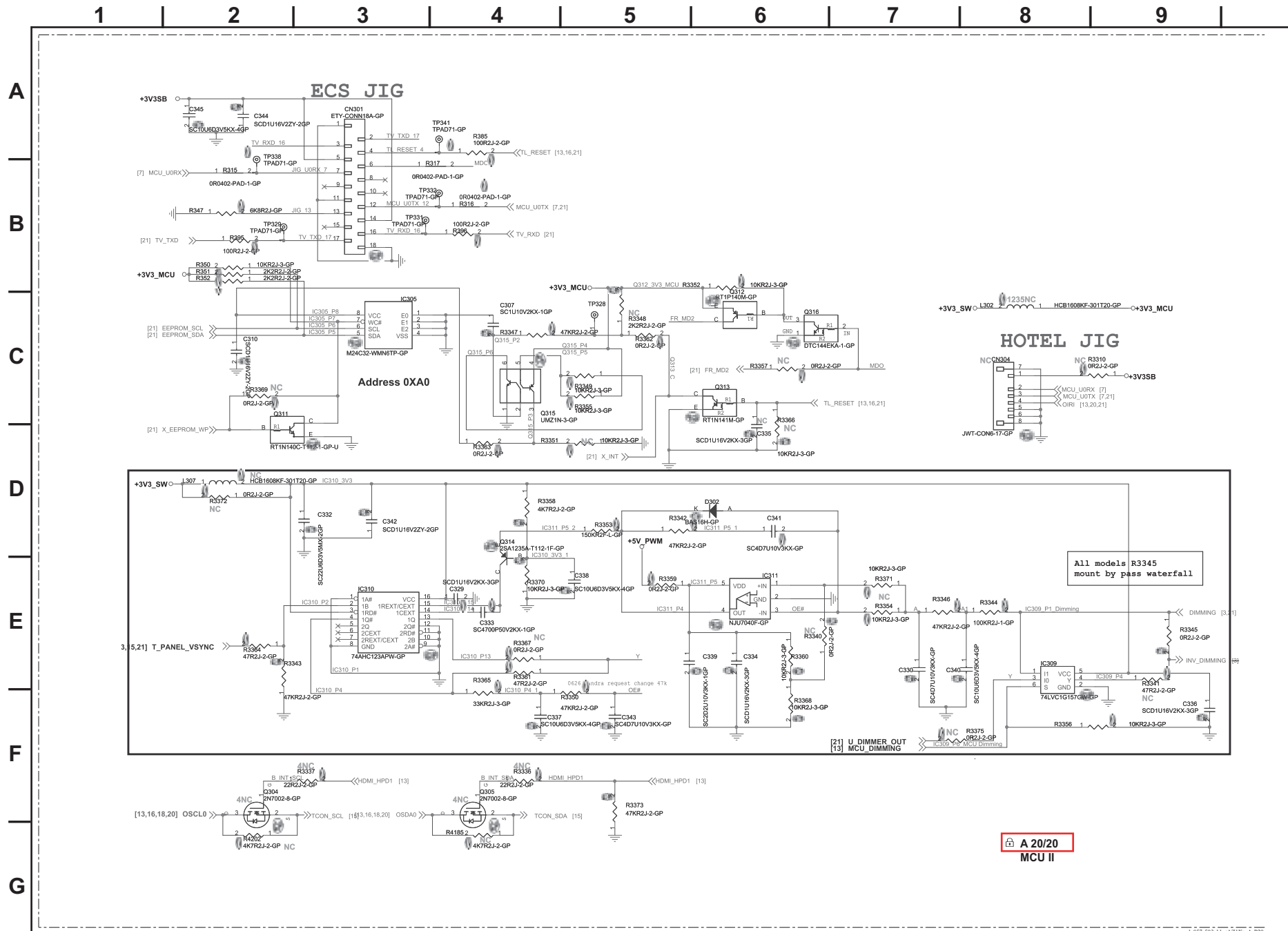
A 18/20
IR/USB/KEYPAD

A BOARD SCHEMATIC DIAGRAM (19 OF 20)



A 19/20
MCU 1

A BOARD SCHEMATIC DIAGRAM (20 OF 20)

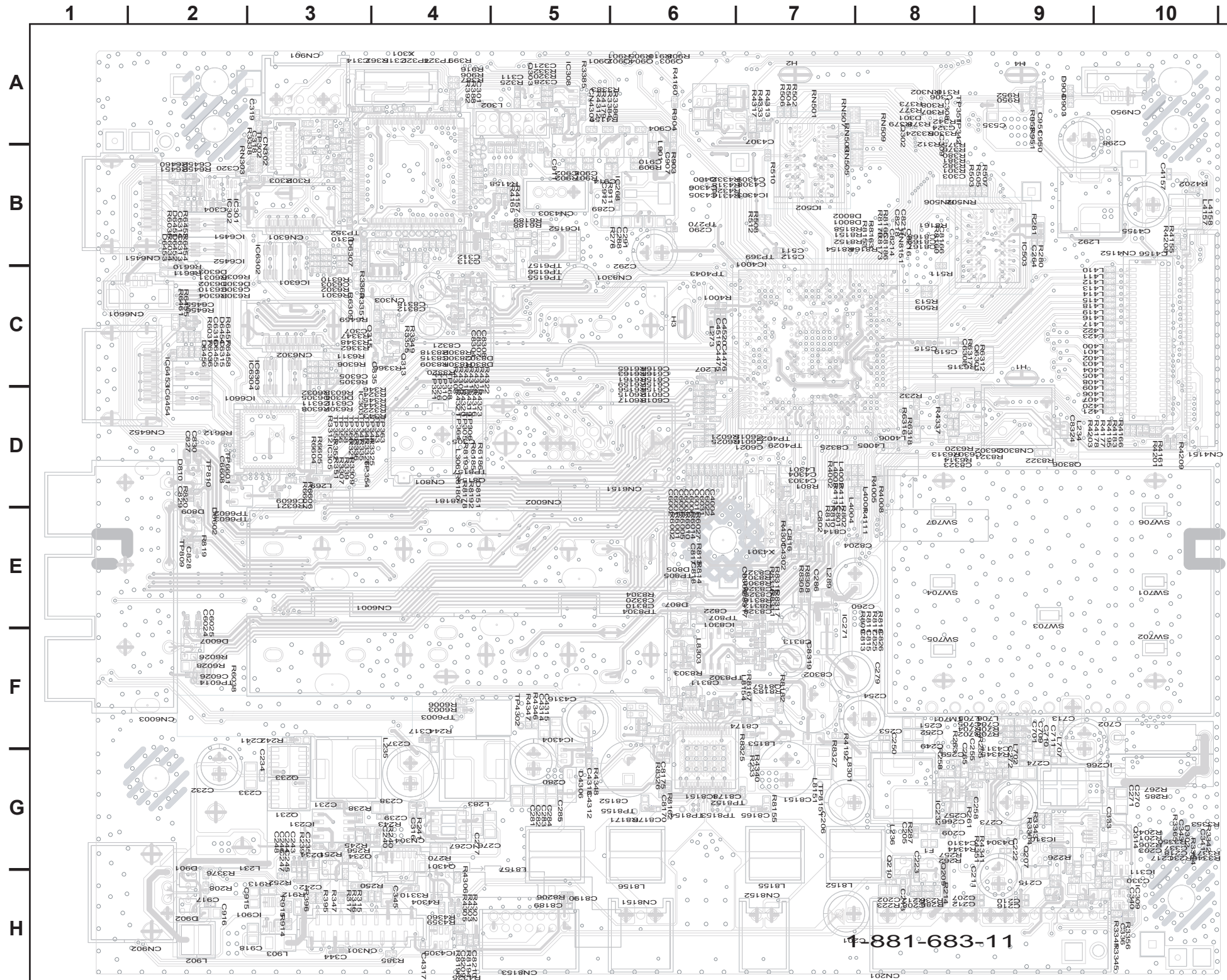


A 20/20
MCU II

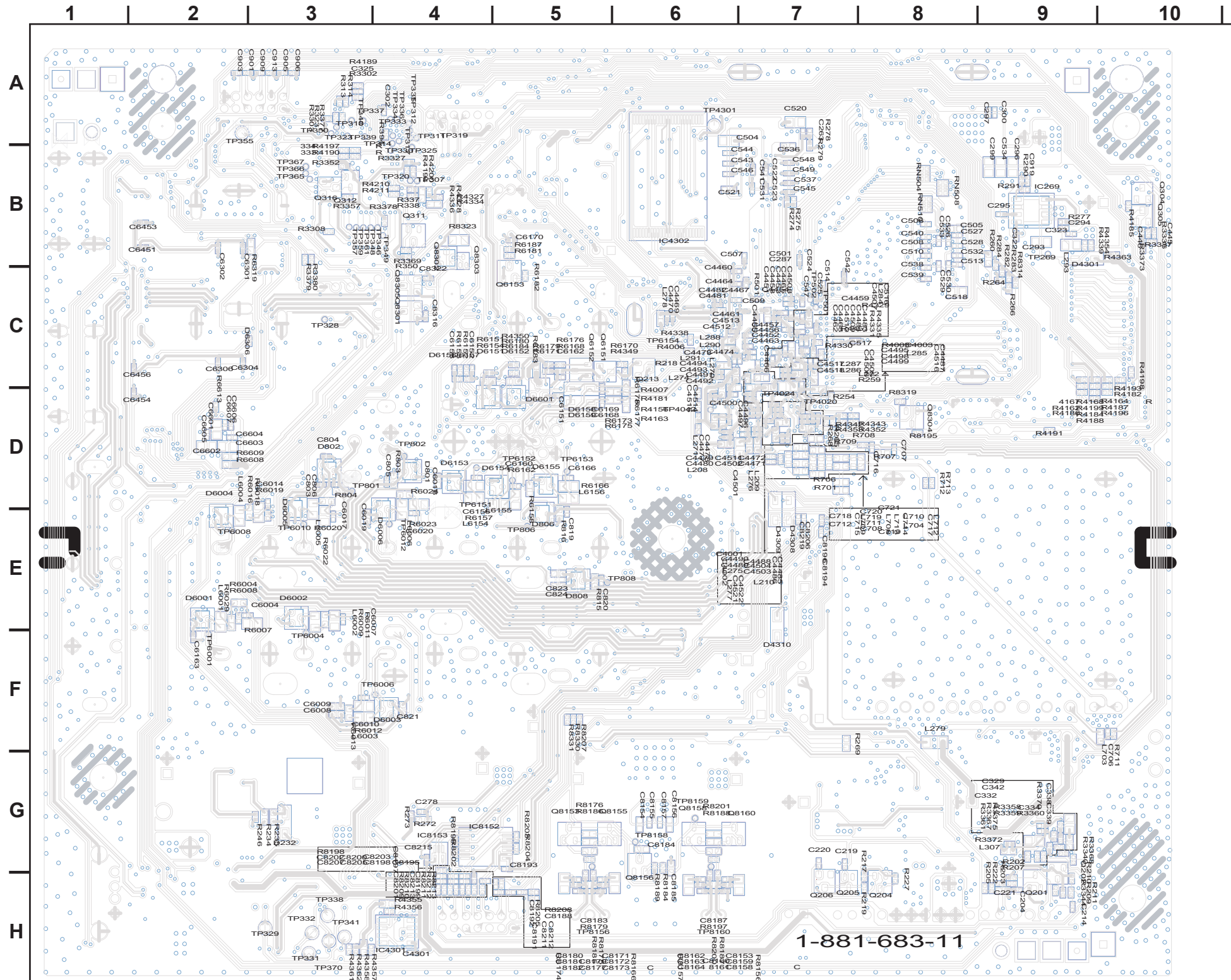
A

[DC CONVERTER I, DC CONVERTER II, DC CONVERTER II, INPUT ANALOG VIDEO, INPUT D SUB, INPUT HDMI I, INPUT HDMI II, INPUT HDMI SW, TUNER, AUDIO IN, MT5388 INPUT, MT5388 DDR II, MT5388 LVDS OUT, MT5388 PERIPHERAL/FLASH, MT5388 POWER, AUDIO AMP, AUDIO SPDIF LINEOUT, IR/USB/KEYPAD, MCU I, MCU II]

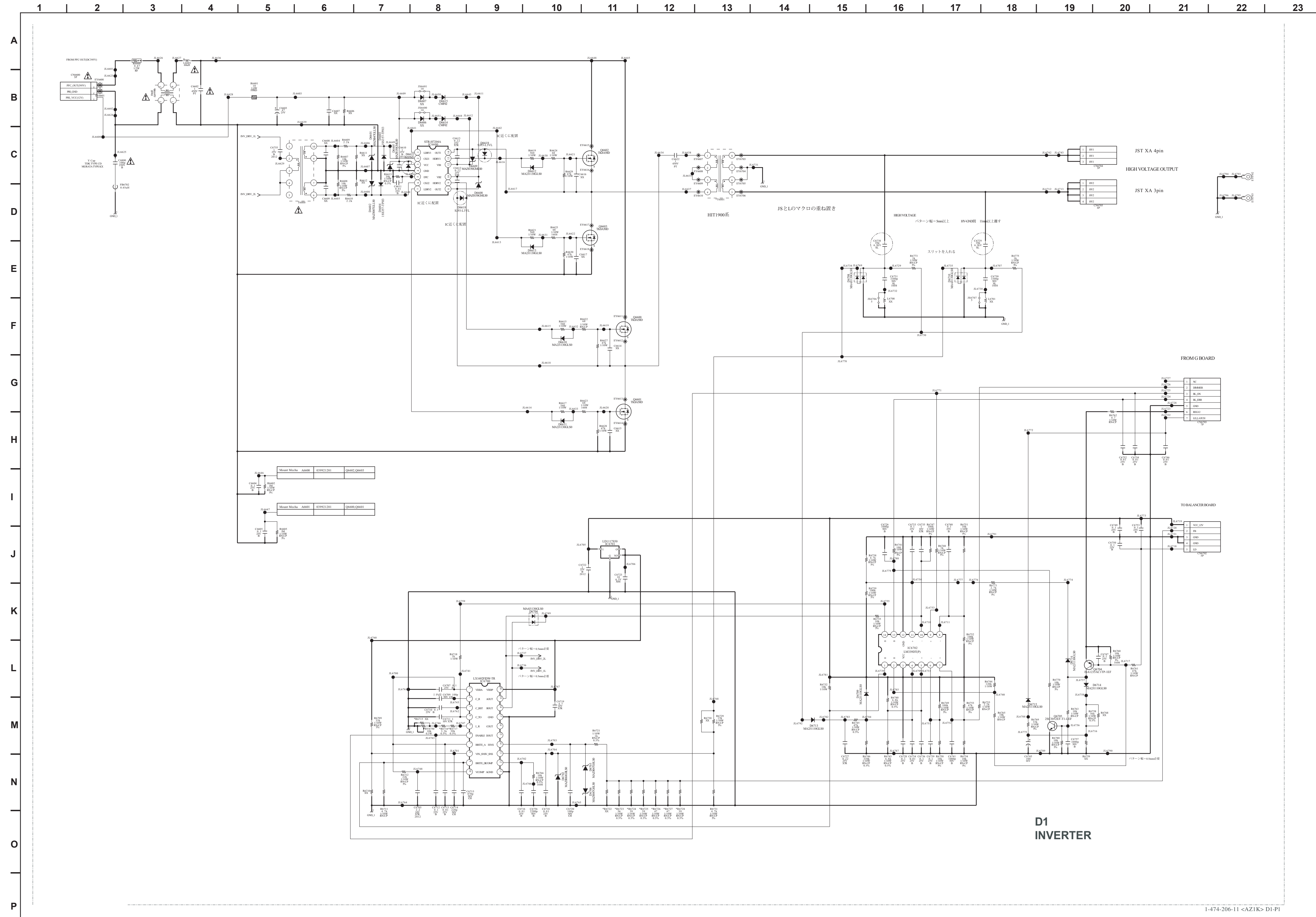
COMPONENT SIDE



A [DC CONVERTER I, DC CONVERTER II, DC CONVERTER II, INPUT ANALOG VIDEO, INPUT D SUB, INPUT HDMI I, INPUT HDMI II, INPUT HDMI SW, TUNER, AUDIO IN, MT5388 INPUT, MT5388 DDR II, MT5388 LVDS OUT, MT5388 PERIPHERAL/FLASH, MT5388 POWER, AUDIO AMP, AUDIO SPDIF LINEOUT, IR/USB/KEYPAD, MCU I, MCU II]
CONDUCTOR SIDE

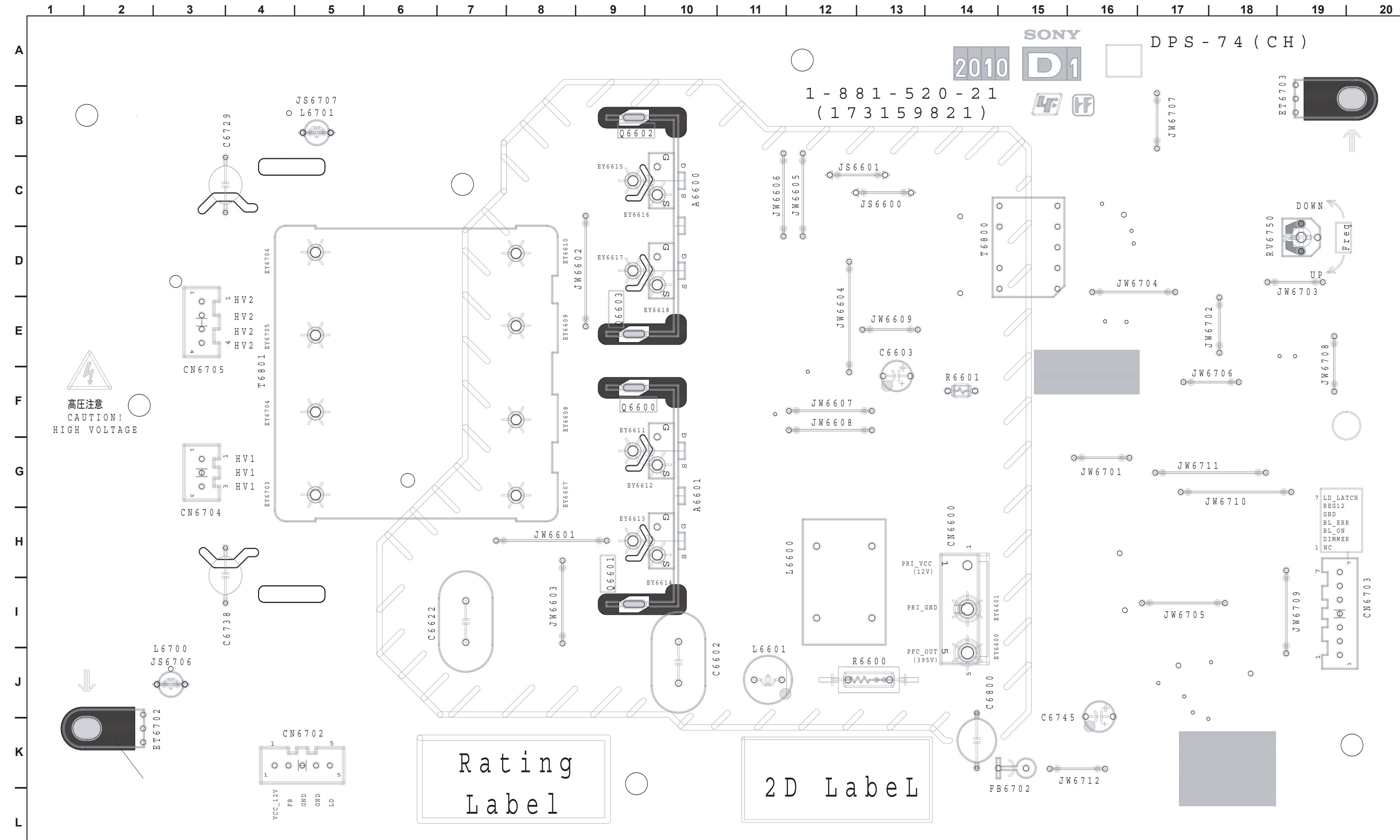


D1 BOARD SCHEMATIC DIAGRAM



D1 INVERTER

D1 [INVERTER]
COMPONENT SIDE



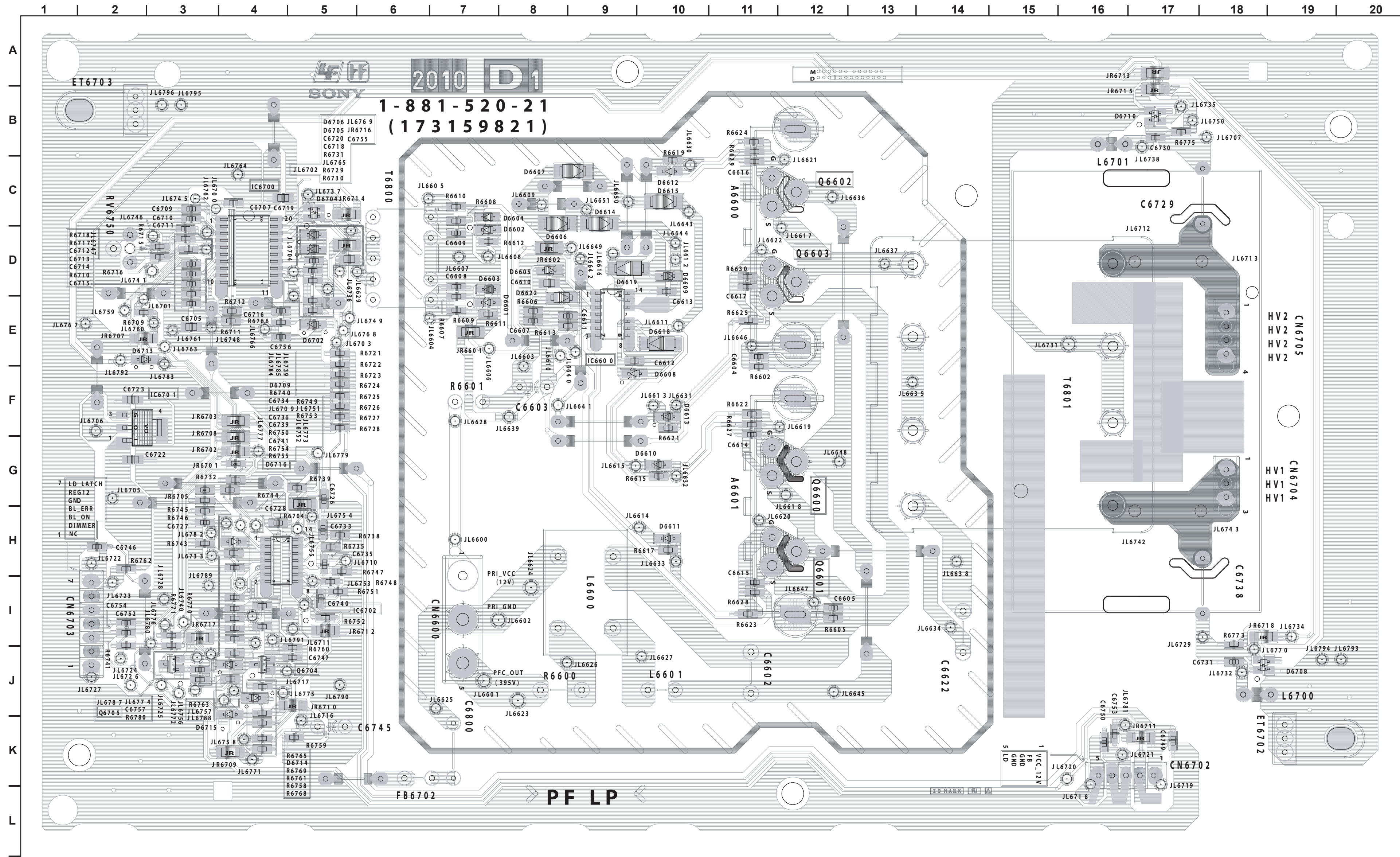
高压注意
CAUTION!
HIGH VOLTAGE

Rating
Label

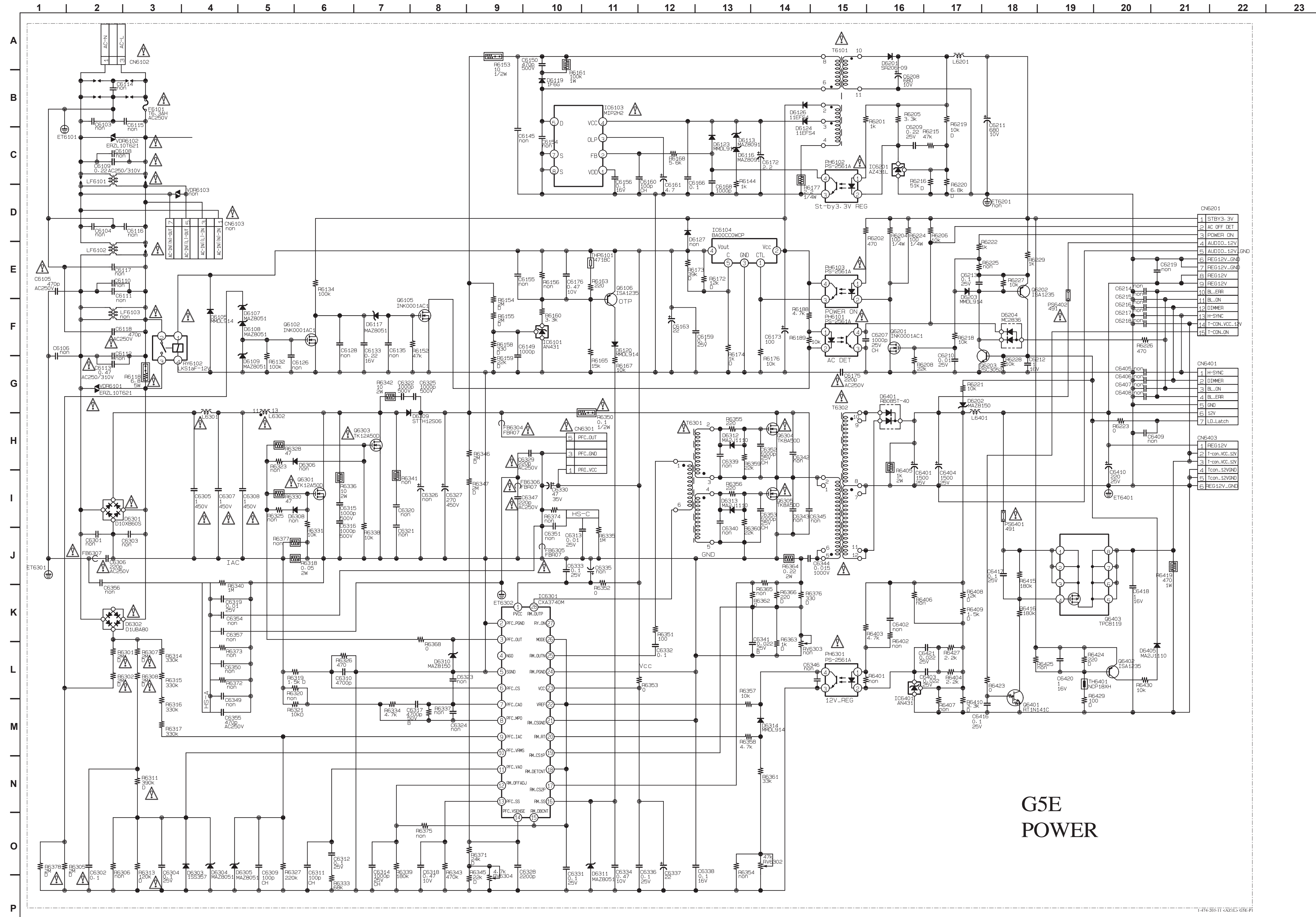
2D Label

SONY
2010 **D1**
1-881-520-21
(173159821)
DPS-74 (CH)

D1 [INVERTER]
CONDUCTOR SIDE

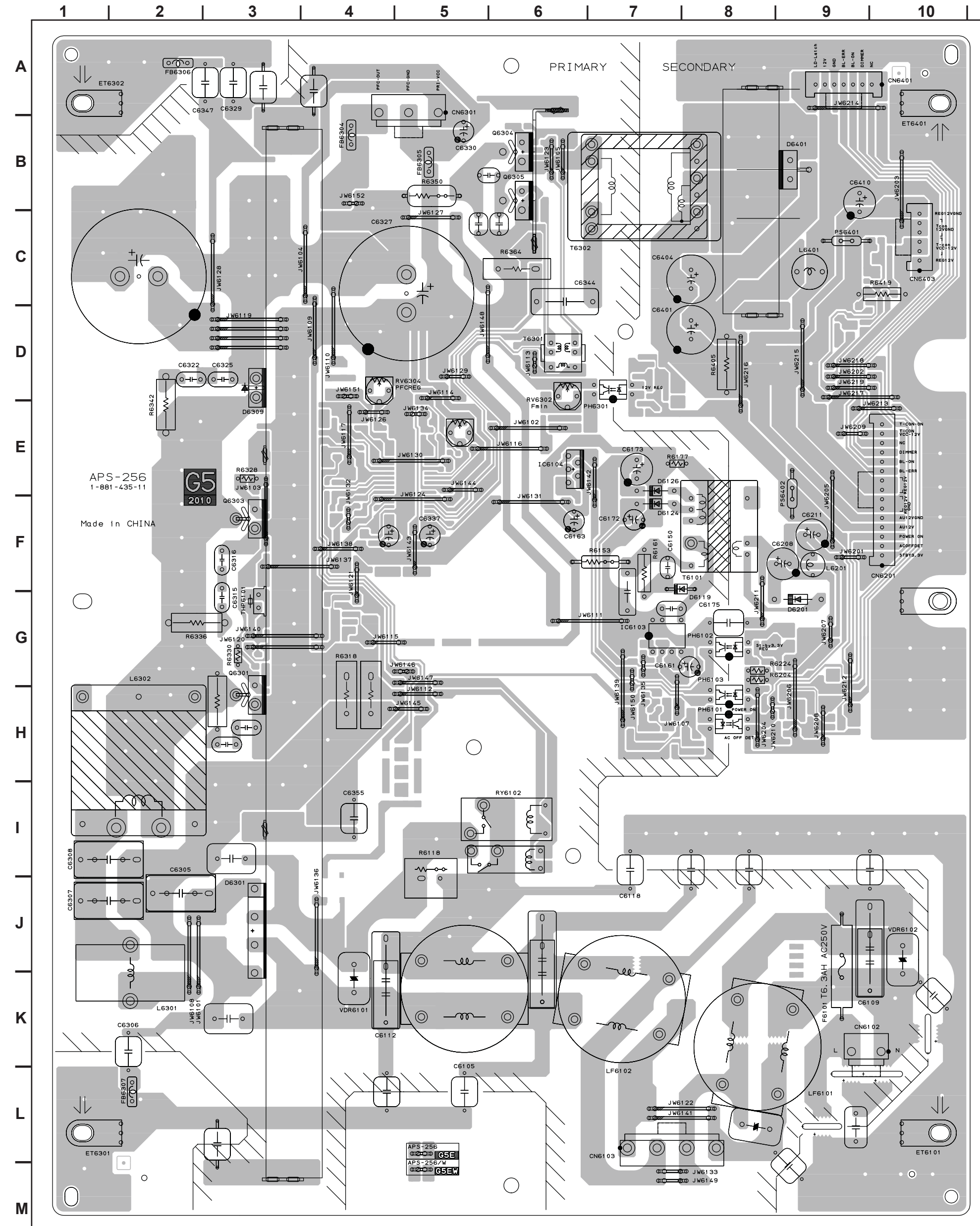


G5E BOARD SCHEMATIC DIAGRAM

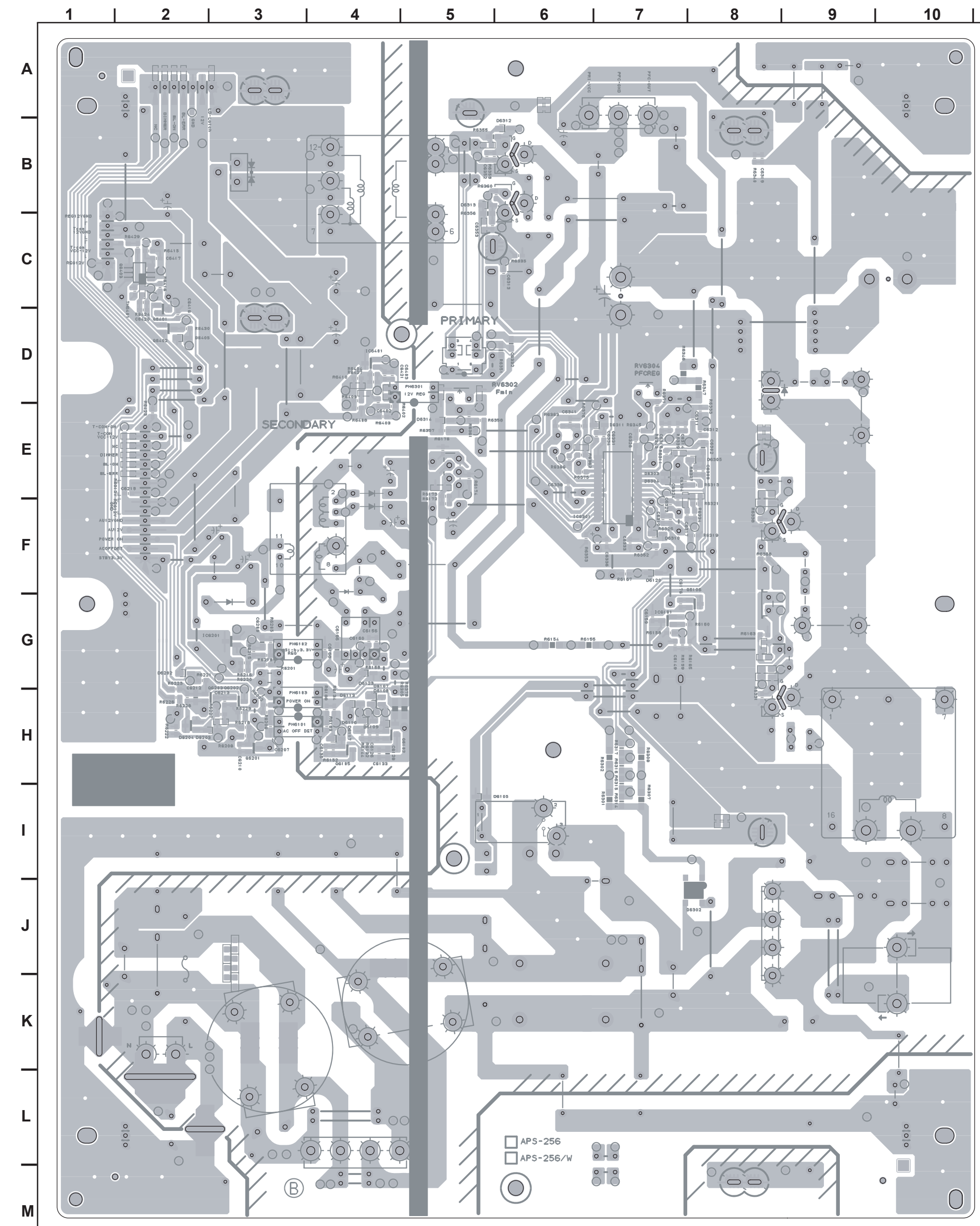


G5E
POWER

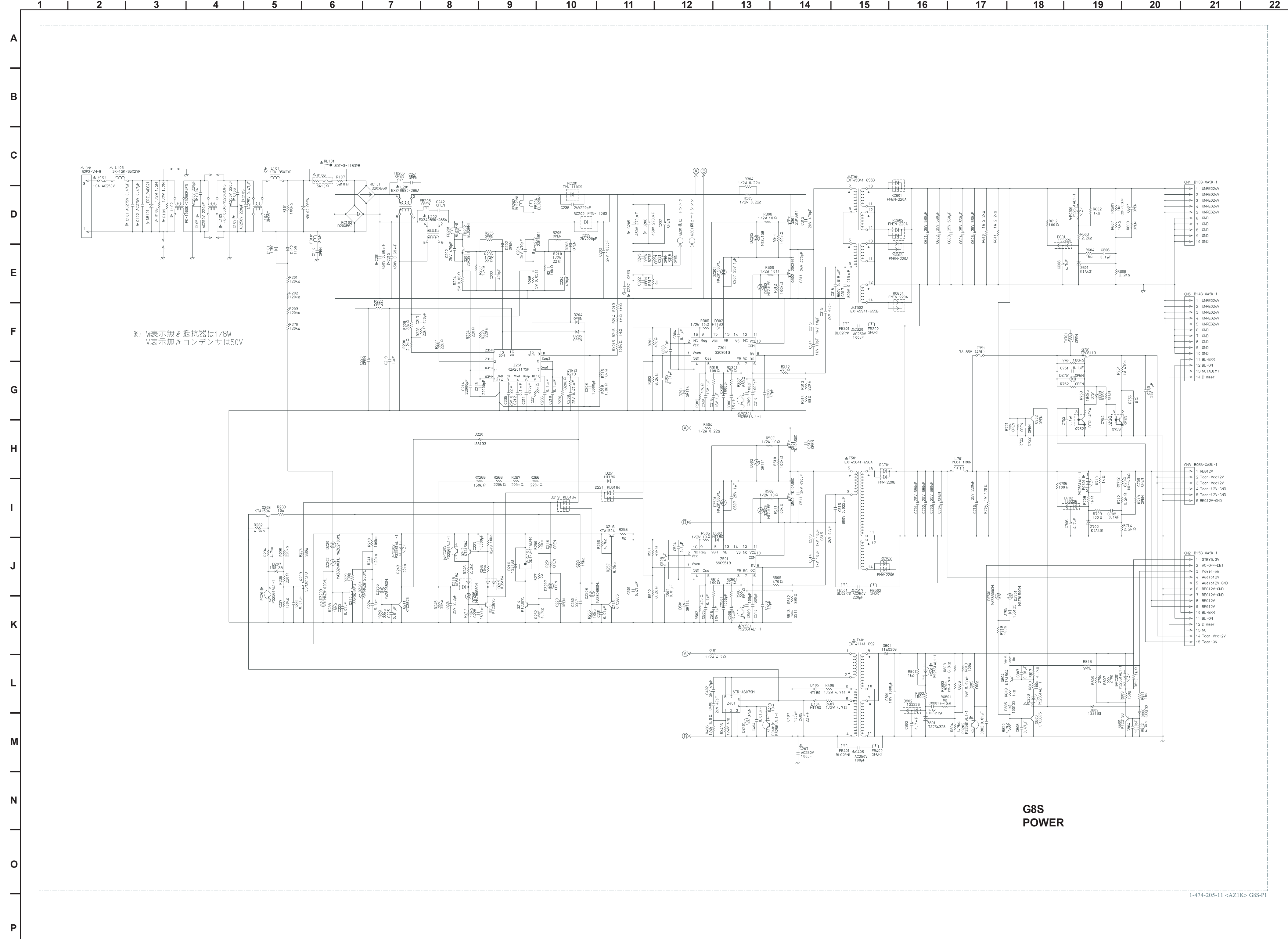
G5E [POWER] COMPONENT SIDE



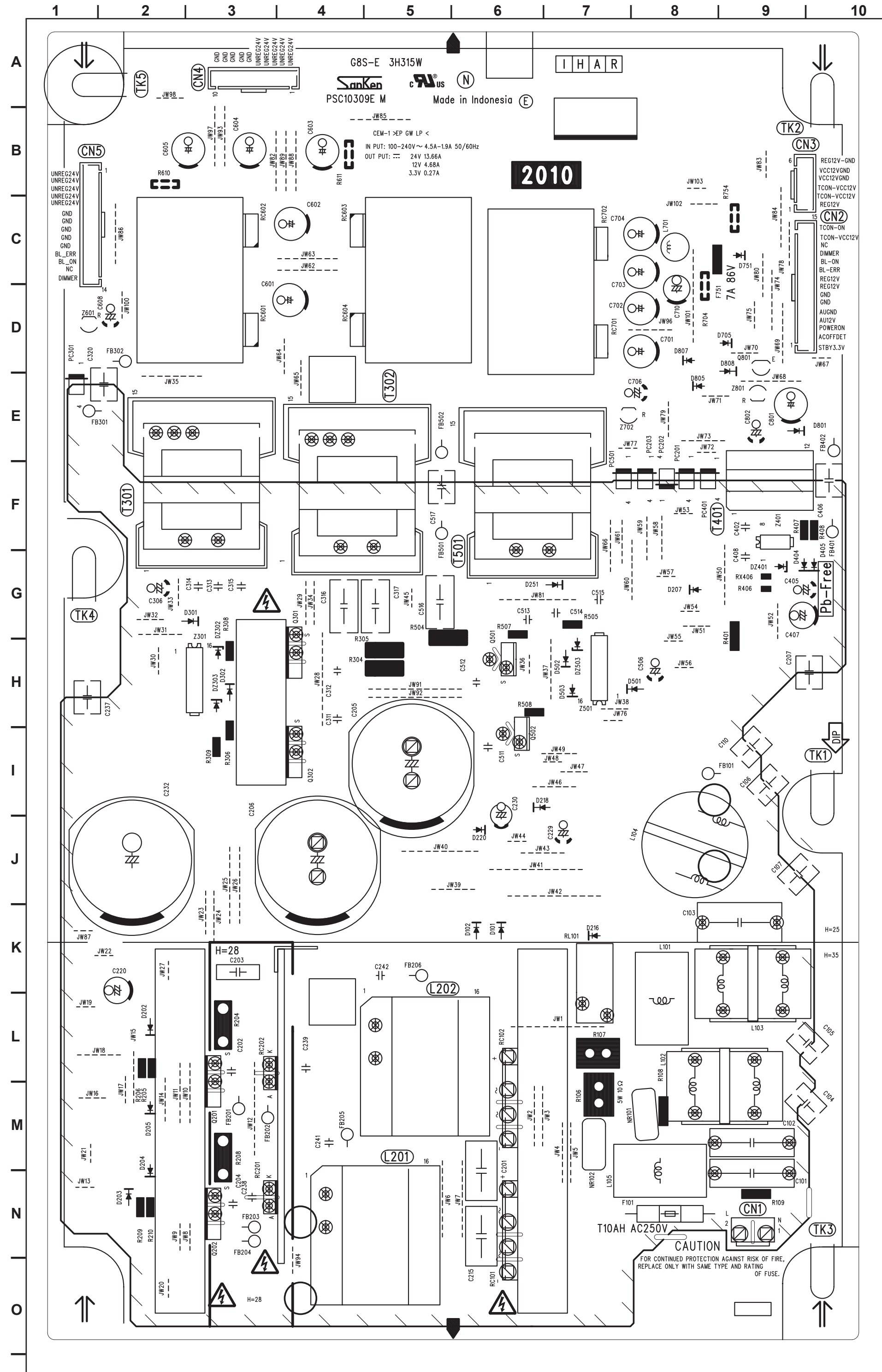
G5E [POWER] CONDUCTOR SIDE



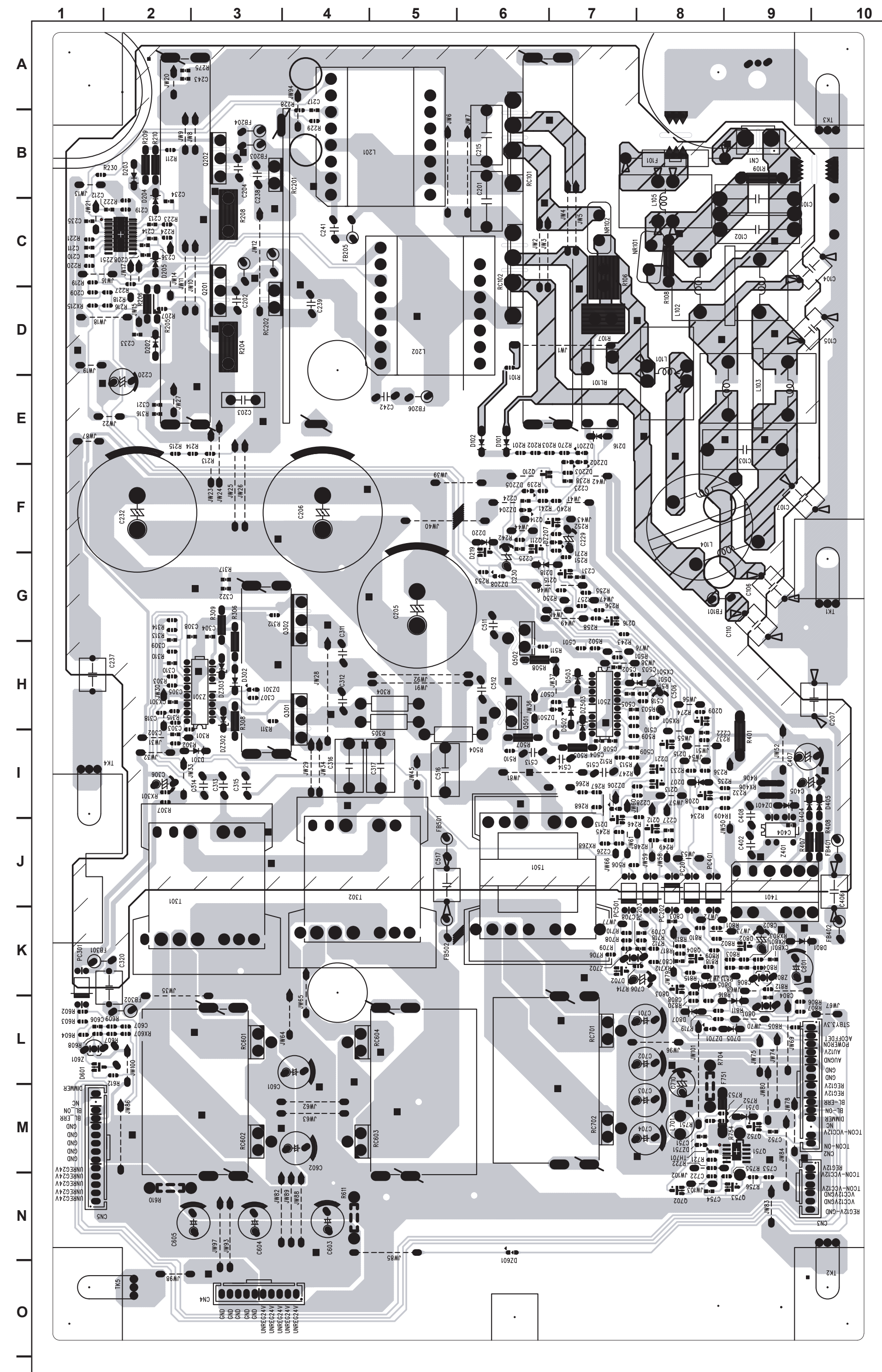
G8S BOARD SCHEMATIC DIAGRAM



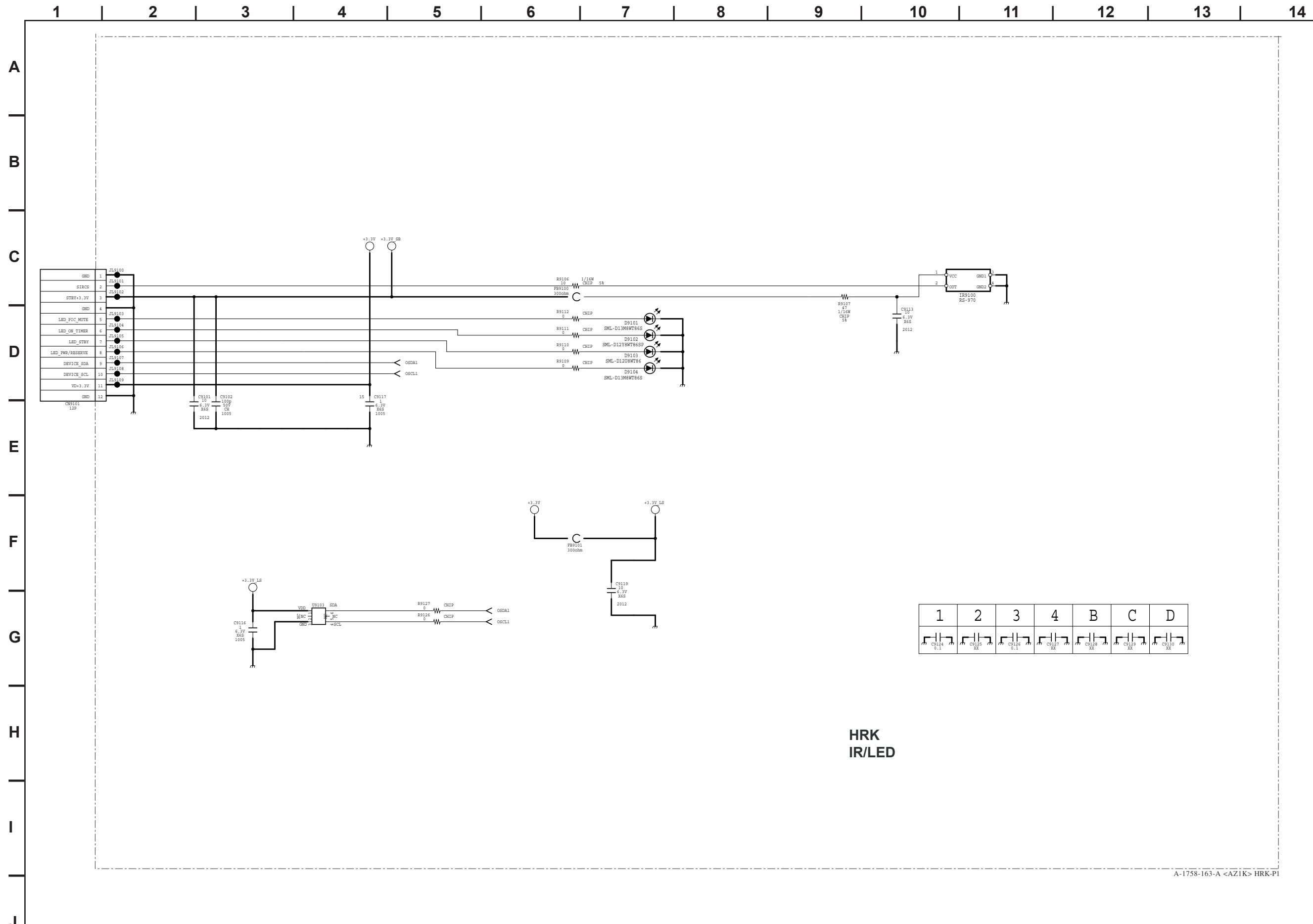
G8S [POWER]
COMPONENT SIDE



G8S [POWER]
CONDUCTOR SIDE

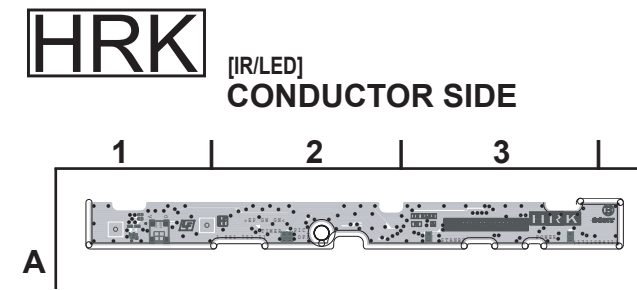
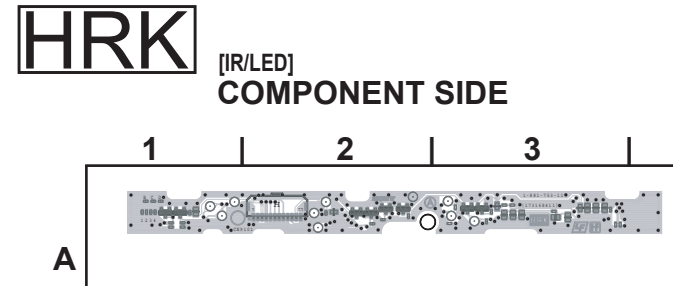


HRK BOARD SCHEMATIC DIAGRAM



HRK
IR/LED

A-1758-163-A <AZ1K> HRK-P1



SECTION 2: ELECTRICAL PARTS LIST

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

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

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by a red outline and a \triangle mark contain confidential information. Specific instructions must be adhered to whenever these components are repaired and/or replaced.
See Appendix A: Encryption Key Components in the back of this manual.

RESISTORS

- All resistors are in ohms
- F : nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.



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

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
A											
	A-1758-161-A	A BOARD, COMPLETE									
	4-176-365-01	THERMAL PAD									
	CAPACITOR										
C201	1-104-653-11	ELECT	220 μ F	20%	16V	C244	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C202	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C245	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C203	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C246	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C205	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C247	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C206	1-104-653-11	ELECT	220 μ F	20%	16V	C248	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C207	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C251	1-114-332-11	CERAMIC CHIP	22 μ F	10%	6.3V
C210	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C252	1-114-332-11	CERAMIC CHIP	22 μ F	10%	6.3V
C211	1-104-653-11	ELECT	220 μ F	20%	16V	C253	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C212	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C254	1-104-653-11	ELECT	220 μ F	20%	16V
C215	1-116-468-11	CERAMIC CHIP	22 μ F	20%	16V	C257	1-114-332-11	CERAMIC CHIP	22 μ F	10%	6.3V
C221	1-116-469-11	CERAMIC CHIP	4.7 μ F	10%	10V	C258	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C222	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C260	1-137-676-91	ELECT	330 μ F	20%	6.3V
C223	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C263	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C231	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C264	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C232	1-104-653-11	ELECT	220 μ F	20%	16V	C265	1-112-527-91	CERAMIC CHIP	680pF	2%	50V
C233	1-116-468-11	CERAMIC CHIP	22 μ F	20%	16V	C266	1-114-800-11	CERAMIC CHIP	0.0015 μ F	10%	50V
C234	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C270	1-116-468-11	CERAMIC CHIP	22 μ F	20%	16V
C235	1-114-246-11	CERAMIC CHIP	1 μ F	20%	25V	C271	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C237	1-116-478-11	ELECT	470 μ F		6.3V	C272	1-116-468-11	CERAMIC CHIP	22 μ F	20%	16V
C238	1-114-332-11	CERAMIC CHIP	22 μ F	10%	6.3V	C273	1-104-653-11	ELECT	220 μ F	20%	16V
C239	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C274	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C240	1-100-904-11	CERAMIC CHIP	330pF	10%	50V	C276	1-116-468-11	CERAMIC CHIP	22 μ F	20%	16V
C241	1-112-775-11	CERAMIC CHIP	0.0022 μ F	10%	50V	C277	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V
C242	1-116-467-11	CERAMIC CHIP	10 μ F	10%	25V	C278	1-100-904-11	CERAMIC CHIP	330pF	10%	50V
C243	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V	C279	1-116-479-11	ELECT	100 μ F	20%	16V
						C280	1-137-676-91	ELECT	330 μ F	20%	6.3V
						C281	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V
						C282	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V
						C285	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
						C286	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V
						C287	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
						C288	1-114-332-11	CERAMIC CHIP	22 μ F	10%	6.3V
						C289	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
						C290	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
						C291	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C292	1-104-653-11	ELECT	220µF	20%	16V	C516	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C293	1-116-079-11	CERAMIC CHIP	10µF	10%	10V	C517	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C294	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C518	1-114-332-11	CERAMIC CHIP	22µF	10%	6.3V
C295	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C519	1-114-332-11	CERAMIC CHIP	22µF	10%	6.3V
C296	1-116-079-11	CERAMIC CHIP	10µF	10%	10V	C520	1-114-332-11	CERAMIC CHIP	22µF	10%	6.3V
C297	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C521	1-116-469-11	CERAMIC CHIP	4.7µF	10%	10V
C298	1-104-653-11	ELECT	220µF	20%	16V	C522	1-114-219-21	CERAMIC CHIP	1µF	10%	10V
C299	1-116-079-11	CERAMIC CHIP	10µF	10%	10V	C523	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C300	1-116-470-11	CERAMIC CHIP	0.01µF	10%	50V	C524	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C301	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C525	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C302	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C526	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C303	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C527	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C304	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C528	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C305	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C529	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C306	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C530	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C307	1-114-219-21	CERAMIC CHIP	1µF	10%	10V	C531	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C308	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C532	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C310	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C533	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C312	1-114-332-11	CERAMIC CHIP	22µF	10%	6.3V	C534	1-114-332-11	CERAMIC CHIP	22µF	10%	6.3V
C314	1-116-480-11	CERAMIC CHIP	33pF	5%	50V	C535	1-114-332-11	CERAMIC CHIP	22µF	10%	6.3V
C315	1-116-480-11	CERAMIC CHIP	33pF	5%	50V	C536	1-116-469-11	CERAMIC CHIP	4.7µF	10%	10V
C316	1-164-739-11	CERAMIC CHIP	560pF	5%	50V	C537	1-114-219-21	CERAMIC CHIP	1µF	10%	10V
C317	1-100-905-11	CERAMIC CHIP	0.001µF	10%	50V	C538	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C318	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C539	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C319	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C540	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C321	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C541	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C322	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C542	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C323	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C543	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C324	1-116-470-11	CERAMIC CHIP	0.01µF	10%	50V	C544	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C328	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C545	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C344	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C546	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C345	1-116-079-11	CERAMIC CHIP	10µF	10%	10V	C547	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C501	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C548	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C504	1-114-332-11	CERAMIC CHIP	22µF	10%	6.3V	C549	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C505	1-116-469-11	CERAMIC CHIP	4.7µF	10%	10V	C701	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C506	1-114-219-21	CERAMIC CHIP	1µF	10%	10V	C702	1-104-653-11	ELECT	220µF	20%	16V
C507	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C704	1-116-480-11	CERAMIC CHIP	33pF	5%	50V
C508	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C705	1-116-480-11	CERAMIC CHIP	33pF	5%	50V
C509	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C706	1-116-470-11	CERAMIC CHIP	0.01µF	10%	50V
C510	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C707	1-112-779-11	CERAMIC CHIP	0.047µF	10%	25V
C511	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C708	1-116-481-11	CERAMIC CHIP	27pF	5%	50V
C512	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C709	1-116-079-11	CERAMIC CHIP	10µF	10%	10V
C513	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C710	1-100-905-11	CERAMIC CHIP	0.001µF	10%	50V
C514	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C711	1-116-470-11	CERAMIC CHIP	0.01µF	10%	50V
C515	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V	C712	1-116-470-11	CERAMIC CHIP	0.01µF	10%	50V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C713	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4303	1-164-849-11	CERAMIC CHIP	9pF	0.50pF	50V
C714	1-162-925-11	CERAMIC CHIP	68pF	5%	50V	C4304	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C715	1-164-845-11	CERAMIC CHIP	5pF	0.25pF	50V	C4305	1-116-079-11	CERAMIC CHIP	10μF	10%	10V
C717	1-162-925-11	CERAMIC CHIP	68pF	5%	50V	C4306	1-116-079-11	CERAMIC CHIP	10μF	10%	10V
C718	1-116-470-11	CERAMIC CHIP	0.01μF	10%	50V	C4307	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C720	1-116-481-11	CERAMIC CHIP	27pF	5%	50V	C4308	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C801	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4309	1-116-079-11	CERAMIC CHIP	10μF	10%	10V
C802	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4310	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C813	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4311	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C814	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4317	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C815	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4451	1-116-483-11	CERAMIC CHIP	1μF	10%	6.3V
C816	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4452	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C821	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C4453	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C822	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C4454	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C823	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C4455	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C824	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C4456	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C825	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4457	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C826	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4458	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C827	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4459	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C830	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4460	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C901	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4461	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C902	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4462	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C903	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4463	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C904	1-116-079-11	CERAMIC CHIP	10μF	10%	10V	C4464	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C905	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4465	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C906	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C4466	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C907	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C4467	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C908	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4468	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C909	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4469	1-114-219-21	CERAMIC CHIP	1μF	10%	10V
C910	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4470	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C911	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4471	1-114-219-21	CERAMIC CHIP	1μF	10%	10V
C912	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4472	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C913	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4473	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C915	1-116-079-11	CERAMIC CHIP	10μF	10%	10V	C4474	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C916	1-116-079-11	CERAMIC CHIP	10μF	10%	10V	C4475	1-114-219-21	CERAMIC CHIP	1μF	10%	10V
C917	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V	C4476	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C918	1-116-079-11	CERAMIC CHIP	10μF	10%	10V	C4477	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V
C950	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C4478	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C951	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C4479	1-114-219-21	CERAMIC CHIP	1μF	10%	10V
C4001	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4480	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4002	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4481	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V
C4003	1-116-469-11	CERAMIC CHIP	4.7μF	10%	10V	C4482	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4004	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4483	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4301	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4484	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4302	1-164-849-11	CERAMIC CHIP	9pF	0.50pF	50V	C4485	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C4486	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6009	1-114-868-11	CERAMIC CHIP	0.1 μ F	10%	50V
C4487	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6010	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C4488	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6011	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4489	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6012	1-114-800-11	CERAMIC CHIP	0.0015 μ F	10%	50V
C4490	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6013	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4491	1-116-469-11	CERAMIC CHIP	4.7 μ F	10%	10V	C6014	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C4492	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6015	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4493	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6016	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4494	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6017	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C4495	1-116-469-11	CERAMIC CHIP	4.7 μ F	10%	10V	C6018	1-114-868-11	CERAMIC CHIP	0.1 μ F	10%	50V
C4496	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V	C6019	1-114-868-11	CERAMIC CHIP	0.1 μ F	10%	50V
C4497	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6020	1-164-854-11	CERAMIC CHIP	15pF	5%	50V
C4498	1-114-802-11	CERAMIC CHIP	0.0033 μ F	10%	50V	C6021	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4499	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6022	1-112-779-11	CERAMIC CHIP	0.047 μ F	10%	25V
C4500	1-114-802-11	CERAMIC CHIP	0.0033 μ F	10%	50V	C6024	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C4501	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V	C6025	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C4502	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V	C6026	1-164-866-11	CERAMIC CHIP	47pF	5%	50V
C4503	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6031	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V
C4504	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6151	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C4505	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6154	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4506	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6156	1-164-858-11	CERAMIC CHIP	22pF	5%	50V
C4507	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6157	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4508	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6158	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4509	1-116-483-11	CERAMIC CHIP	1 μ F	10%	6.3V	C6160	1-164-858-11	CERAMIC CHIP	22pF	5%	50V
C4510	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6161	1-114-800-11	CERAMIC CHIP	0.0015 μ F	10%	50V
C4511	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6164	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V
C4512	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6166	1-164-858-11	CERAMIC CHIP	22pF	5%	50V
C4513	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6170	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C4514	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6303	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V
C4515	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6305	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V
C4516	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V	C6309	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C4517	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6310	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C4518	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6311	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C4519	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6312	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C4520	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6313	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C4521	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V	C6314	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C4522	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V	C6315	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C6001	1-112-779-11	CERAMIC CHIP	0.047 μ F	10%	25V	C6316	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C6002	1-114-800-11	CERAMIC CHIP	0.0015 μ F	10%	50V	C6452	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V
C6003	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V	C6455	1-114-219-21	CERAMIC CHIP	1 μ F	10%	10V
C6004	1-164-854-11	CERAMIC CHIP	15pF	5%	50V	C6601	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V
C6005	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V	C6602	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V
C6006	1-116-470-11	CERAMIC CHIP	0.01 μ F	10%	50V	C6603	1-116-079-11	CERAMIC CHIP	10 μ F	10%	10V
C6007	1-164-854-11	CERAMIC CHIP	15pF	5%	50V	C6604	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V
C6008	1-114-868-11	CERAMIC CHIP	0.1 μ F	10%	50V	C6605	1-100-916-11	CERAMIC CHIP	0.1 μ F	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C6606	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8307	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C6607	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8308	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C6608	1-114-219-21	CERAMIC CHIP	1μF	10%	10V	C8309	1-162-926-11	CERAMIC CHIP	82pF	5%	50V
C6609	1-114-219-21	CERAMIC CHIP	1μF	10%	10V	C8310	1-114-246-11	CERAMIC CHIP	1μF	20%	25V
C8151	1-128-525-61	ELECT	470μF	20%	16V	C8311	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C8152	1-128-525-61	ELECT	470μF	20%	16V	C8312	1-116-476-11	ELECT	22μF	20%	16V
C8153	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8313	1-116-476-11	ELECT	22μF	20%	16V
C8154	1-114-246-11	CERAMIC CHIP	1μF	20%	25V	C8315	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C8155	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8316	1-116-470-11	CERAMIC CHIP	0.01μF	10%	50V
C8156	1-114-246-11	CERAMIC CHIP	1μF	20%	25V	C8317	1-162-926-11	CERAMIC CHIP	82pF	5%	50V
C8157	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8318	1-116-476-11	ELECT	22μF	20%	16V
C8158	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C8319	1-116-476-11	ELECT	22μF	20%	16V
C8159	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8320	1-114-246-11	CERAMIC CHIP	1μF	20%	25V
C8160	1-116-466-11	CERAMIC CHIP	0.47μF	10%	25V	C8321	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C8161	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C8322	1-116-470-11	CERAMIC CHIP	0.01μF	10%	50V
C8162	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8324	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C8163	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C8325	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V
C8164	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C8327	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C8165	1-100-904-11	CERAMIC CHIP	330pF	10%	50V	C8329	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C8166	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V						
C8167	1-112-527-91	CERAMIC CHIP	680pF	2%	50V						
C8168	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	* CN201	1-842-071-11	CONNECTOR PIN			
C8169	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	CN301	1-779-936-51	CONNECTOR, FFC/FPC 18P			
C8170	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	CN801	1-842-062-11	JACK, STEREO MINI			
C8171	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	* CN901	1-842-063-11	CONNECTOR PIN			
C8172	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	* CN902	1-842-093-11	CONNECTOR,USB(RIGHTANGLE TYPE)			
C8173	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	* CN950	1-842-123-11	CONNECTOR PIN			
C8174	1-114-219-21	CERAMIC CHIP	1μF	10%	10V	* CN4152	1-842-070-11	CONNECTOR PIN			
C8175	1-114-219-21	CERAMIC CHIP	1μF	10%	10V	CN6001	1-842-090-11	JACK, COMPONENT 5P			
C8176	1-100-904-11	CERAMIC CHIP	330pF	10%	50V	CN6002	1-842-089-11	JACK, COMPONENT 5P			
C8177	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	CN6003	1-842-091-11	JACK, COMPOSITE 3P			
C8178	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	* CN6151	1-842-121-11	CONNECTOR, D-SUB 15P			
C8179	1-116-466-11	CERAMIC CHIP	0.47μF	10%	25V	* CN6301	1-842-094-11	CONNECTOR, HDMI(STRAIGHT TYPE)			
C8180	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	* CN6302	1-842-094-11	CONNECTOR, HDMI(STRAIGHT TYPE)			
C8181	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	* CN6451	1-842-095-11	CONNECTOR,HDMI(RIGHTANGLETYPE)			
C8182	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	* CN6452	1-842-095-11	CONNECTOR,HDMI(RIGHTANGLETYPE)			
C8183	1-114-246-11	CERAMIC CHIP	1μF	20%	25V	* CN8151	1-842-069-11	CONNECTOR PIN			
C8184	1-114-246-11	CERAMIC CHIP	1μF	20%	25V	* CN8152	1-842-060-11	CONNECTOR PIN			
C8185	1-114-246-11	CERAMIC CHIP	1μF	20%	25V	CN8301	1-842-061-11	JACK, PIN		2P	
C8186	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	* CN8302	1-842-092-11	CONNECTOR		(OPTICAL OUTPUT)	
C8187	1-114-246-11	CERAMIC CHIP	1μF	20%	25V						
C8214	1-116-480-11	CERAMIC CHIP	33pF	5%	50V						
C8217	1-116-480-11	CERAMIC CHIP	33pF	5%	50V						
C8218	1-116-480-11	CERAMIC CHIP	33pF	5%	50V						
C8302	1-128-525-61	ELECT	470μF	20%	16V						

CONNECTOR



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
DIODE				IC305	6-715-063-01	IC	M24C32-WMN6TP
D232	6-503-079-01	DIODE	BAS16H	IC308	6-706-498-01	IC	TC7SH08F(T5RSONYJF)
D234	6-500-400-01	DIODE	BAV99-215	IC502	6-715-044-01	IC	H5PS5162FFR-20LR
D805	6-500-400-01	DIODE	BAV99-215	IC503	6-715-044-01	IC	H5PS5162FFR-20LR
D806	6-500-400-01	DIODE	BAV99-215	IC901	6-715-059-01	IC	RT9711BpF
D807	6-500-400-01	DIODE	BAV99-215	IC4001	6-715-245-01	IC	MT5388JFMG
D808	6-500-400-01	DIODE	BAV99-215	IC4301	6-715-064-01	IC	M24128-BWMN6TP
D809	6-500-400-01	DIODE	BAV99-215	IC4302	6-713-835-01	IC	K9F1208U0C-PIB0T
D810	6-500-400-01	DIODE	BAV99-215	IC4303	6-715-045-01	IC	G692L293TCμF
D4301	6-503-079-01	DIODE	BAS16H	IC4305	6-713-291-01	IC	MM3285CNRE
D4304	6-503-079-01	DIODE	BAS16H	IC6152	6-704-600-01	IC	M24C02-WMN6T(B)
D4306	6-503-079-01	DIODE	BAS16H	IC8151	6-715-052-01	IC	STA339BWS13TR
D4308	6-503-079-01	DIODE	BAS16H	IC8301	8-759-100-96	IC	UPC4558G2
D4309	6-503-079-01	DIODE	BAS16H	COIL			
D4310	6-503-079-01	DIODE	BAS16H	L207	1-500-957-11	FERRITE	0μH
D6001	6-500-400-01	DIODE	BAV99-215	L208	1-500-957-11	FERRITE	0μH
D6002	6-500-400-01	DIODE	BAV99-215	L209	1-500-957-11	FERRITE	0μH
D6003	6-500-400-01	DIODE	BAV99-215	L210	1-500-957-11	FERRITE	0μH
D6004	6-500-400-01	DIODE	BAV99-215	L231	1-457-898-11	INDUCTOR	0.5μH
D6005	6-500-400-01	DIODE	BAV99-215	L235	1-481-723-11	INDUCTOR	6.8μH
D6006	6-500-400-01	DIODE	BAV99-215	L236	1-481-722-11	INDUCTOR	2.2μH
D6007	6-500-400-01	DIODE	BAV99-215	L269	1-500-963-11	FERRITE	0μH
D6158	6-503-081-01	DIODE	BZT52H-C6V8	L270	1-500-957-11	FERRITE	0μH
D6159	6-503-081-01	DIODE	BZT52H-C6V8	L271	1-500-957-11	FERRITE	0μH
D6307	8-719-069-29	DIODE	RB520S-30FJTE61	L272	1-500-957-11	FERRITE	0μH
D6601	6-503-084-01	DIODE	BAT54C	L274	1-500-957-11	FERRITE	0μH
D6602	6-503-084-01	DIODE	BAT54C	L276	1-500-957-11	FERRITE	0μH
D8001	6-503-080-01	DIODE	1PS79SB31	L277	1-500-957-11	FERRITE	0μH
D8002	6-503-080-01	DIODE	1PS79SB31	L279	1-250-254-11	RES-CHIP	2 1% 1/2W
D8151	6-503-079-01	DIODE	BAS16H	L283	1-481-725-11	INDUCTOR	4.7μH
FUSE				L284	1-500-957-11	FERRITE	0μH
F1	1-576-933-31	FUSE	5A 24V	L285	1-500-957-11	FERRITE	0μH
IC				L286	1-500-957-11	FERRITE	0μH
IC231	6-715-053-01	IC	RT8105GS	L289	1-481-634-11	INDUCTOR	22μH
IC232	6-715-062-01	IC	RT8015BGQW	L292	1-481-725-11	INDUCTOR	4.7μH
IC266	6-715-061-01	IC	G9117-50T43U	L293	1-500-965-11	FERRITE	0μH
IC267	6-715-048-01	IC	APW7145KAI-TRI	L302	1-500-957-11	FERRITE	0μH
IC268	6-715-047-01	IC	G1117T63μF	L306	1-500-957-11	FERRITE	0μH
IC269	6-715-046-01	IC	G5693F11U	L400	1-500-964-11	FERRITE	0μH
IC271	6-715-051-01	IC	G983-330T24U	L401	1-500-964-11	FERRITE	0μH
IC301	6-712-399-01	IC	74AHC1G125GW-125	L402	1-500-964-11	FERRITE	0μH
IC302	6-712-399-01	IC	74AHC1G125GW-125	L403	1-500-964-11	FERRITE	0μH
IC303	6-713-820-11	IC	MB91F313APMC-G-ERE1	L404	1-500-964-11	FERRITE	0μH
				L405	1-500-964-11	FERRITE	0μH



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
L406	1-500-964-11	FERRITE	0μH	L6154	1-500-960-11	FERRITE	0μH
L407	1-500-964-11	FERRITE	0μH	L6155	1-500-960-11	FERRITE	0μH
L408	1-500-964-11	FERRITE	0μH	L6156	1-500-960-11	FERRITE	0μH
L409	1-500-964-11	FERRITE	0μH	L8151	1-500-956-11	FERRITE	0μH
L410	1-500-964-11	FERRITE	0μH	L8152	1-457-900-11	INDUCTOR	22μH
L411	1-500-964-11	FERRITE	0μH	L8153	1-500-956-11	FERRITE	0μH
L412	1-500-964-11	FERRITE	0μH	L8154	1-500-958-11	FERRITE	0μH
L413	1-500-964-11	FERRITE	0μH	L8155	1-457-900-11	INDUCTOR	22μH
L414	1-500-964-11	FERRITE	0μH	L8156	1-457-900-11	INDUCTOR	22μH
L415	1-500-964-11	FERRITE	0μH	L8157	1-457-900-11	INDUCTOR	22μH
L416	1-500-964-11	FERRITE	0μH	L8301	1-500-956-11	FERRITE	0μH
L417	1-500-964-11	FERRITE	0μH	L8303	1-500-957-11	FERRITE	0μH
L418	1-500-964-11	FERRITE	0μH	TRANSISTOR			
L419	1-500-964-11	FERRITE	0μH	Q201	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L420	1-500-964-11	FERRITE	0μH	Q204	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
L421	1-500-964-11	FERRITE	0μH	Q205	6-552-486-01	TRANSISTOR	PDTC124EU
L422	1-500-964-11	FERRITE	0μH	Q206	1-801-806-11	TRANSISTOR	DTC144EKA
L423	1-500-964-11	FERRITE	0μH	Q207	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L702	1-481-396-21	FERRITE	0μH	Q209	1-801-806-11	TRANSISTOR	DTC144EKA
L703	1-481-396-21	FERRITE	0μH	Q210	8-729-027-23	TRANSISTOR	DTA114EKA-T146
L704	1-481-724-11	INDUCTOR	390NH	Q213	6-550-832-01	TRANSISTOR	SI2301BDS-T1
L705	1-481-396-21	FERRITE	0μH	Q231	6-715-060-01	IC	SI4800BDY-T1-E3
L706	1-481-396-21	FERRITE	0μH	Q233	6-715-060-01	IC	SI4800BDY-T1-E3
L707	1-500-963-11	FERRITE	0μH	Q234	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L710	1-481-724-11	INDUCTOR	390NH	Q302	1-801-806-11	TRANSISTOR	DTC144EKA
L711	1-481-735-11	INDUCTOR	0.22μH	Q311	8-729-027-44	TRANSISTOR	DTC114TKA-T146
L712	1-481-735-11	INDUCTOR	0.22μH	Q312	8-729-028-74	TRANSISTOR	DTA114TUA-T106
L713	1-481-735-11	INDUCTOR	0.22μH	Q313	8-729-028-96	TRANSISTOR	DTC114EUA-T106
L719	1-481-735-11	INDUCTOR	0.22μH	Q315	6-551-321-01	TRANSISTOR	RT3WLM-M-TP-1F
L901	1-500-959-11	FERRITE	0μH	Q316	1-801-806-11	TRANSISTOR	DTC144EKA
L902	1-457-730-11	INDUCTOR	2.2μH	Q901	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L903	1-500-956-11	FERRITE	0μH	Q902	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L4001	1-481-746-11	FERRITE	0μH	Q903	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L4002	1-481-746-11	FERRITE	0μH	Q904	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L4003	1-481-746-11	FERRITE	0μH	Q4301	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L4004	1-400-822-31	FERRITE	0μH	Q6151	6-552-470-01	TRANSISTOR	2N7002
L4301	1-481-734-11	INDUCTOR	0.82μH	Q6152	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L6001	1-500-960-11	FERRITE	0μH	Q6153	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L6002	1-500-960-11	FERRITE	0μH	Q8153	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
L6003	1-500-960-11	FERRITE	0μH	Q8154	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L6004	1-500-960-11	FERRITE	0μH	Q8155	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF
L6005	1-500-960-11	FERRITE	0μH	Q8156	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF
L6006	1-500-960-11	FERRITE	0μH	Q8157	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q8158	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF			R262	1-218-977-11	METAL CHIP	100K	5%	1/16W
Q8160	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF			R263	1-218-965-11	METAL CHIP	10K	5%	1/16W
Q8301	6-551-940-01	TRANSISTOR	DTC623TKT146			R265	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
Q8302	8-729-027-23	TRANSISTOR	DTA114EKA-T146			R266	1-218-990-81	SHORT CHIP			
Q8303	8-729-928-90	TRANSISTOR	DTC114EE			R267	1-250-331-51	METAL OXIDE	30	5%	2W
Q8304	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			R272	1-218-884-11	METAL CHIP	36K	0.50%	1/10W
Q8305	6-551-940-01	TRANSISTOR	DTC623TKT146			R273	1-250-334-11	METAL CHIP	11.5K	0.50%	1/16W
		RESISTOR				R274	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R201	1-218-965-11	METAL CHIP	10K	5%	1/16W	R275	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R202	1-218-953-11	METAL CHIP	1K	5%	1/16W	R277	1-218-929-11	METAL CHIP	10	5%	1/16W
R203	1-218-965-11	METAL CHIP	10K	5%	1/16W	R278	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R204	1-218-953-11	METAL CHIP	1K	5%	1/16W	R279	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R205	1-218-941-81	METAL CHIP	100	5%	1/16W	R280	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R207	1-218-965-11	METAL CHIP	10K	5%	1/16W	R281	1-208-683-11	METAL CHIP	1K	0.50%	1/16W
R210	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R285	1-250-331-51	METAL OXIDE	30	5%	2W
R211	1-218-990-81	SHORT CHIP				R287	1-246-153-11	METAL CHIP	2.2	1%	1/10W
R212	1-218-941-11	METAL CHIP	100	5%	1/16W	R290	1-250-334-11	METAL CHIP	11.5K	0.50%	1/16W
R214	1-218-941-81	METAL CHIP	100	5%	1/16W	R291	1-208-910-11	METAL CHIP	9.1K	0.50%	1/16W
R217	1-218-965-11	METAL CHIP	10K	5%	1/16W	R301	1-218-937-11	METAL CHIP	47	5%	1/16W
R218	1-218-969-11	METAL CHIP	22K	5%	1/16W	R302	1-218-965-11	METAL CHIP	10K	5%	1/16W
R219	1-218-969-11	METAL CHIP	22K	5%	1/16W	R303	1-218-965-11	METAL CHIP	10K	5%	1/16W
R226	1-218-965-11	METAL CHIP	10K	5%	1/16W	R307	1-218-953-11	METAL CHIP	1K	5%	1/16W
R234	1-246-153-11	METAL CHIP	2.2	1%	1/10W	R308	1-218-965-11	METAL CHIP	10K	5%	1/16W
R235	1-246-153-11	METAL CHIP	2.2	1%	1/10W	R310	1-218-941-81	METAL CHIP	100	5%	1/16W
R236	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R312	1-218-937-11	METAL CHIP	47	5%	1/16W
R238	1-250-308-11	METAL CHIP	14K	0.50%	1/16W	R313	1-218-965-11	METAL CHIP	10K	5%	1/16W
R239	1-218-929-11	METAL CHIP	10	5%	1/16W	R314	1-218-965-11	METAL CHIP	10K	5%	1/16W
R240	1-218-990-81	SHORT CHIP				R321	1-218-965-11	METAL CHIP	10K	5%	1/16W
R241	1-250-306-11	METAL CHIP	40.2K	0.50%	1/10W	R322	1-218-965-11	METAL CHIP	10K	5%	1/16W
R242	1-246-153-11	METAL CHIP	2.2	1%	1/10W	R323	1-218-933-11	METAL CHIP	22	5%	1/16W
R243	1-218-842-11	METAL CHIP	620	0.50%	1/10W	R332	1-218-953-11	METAL CHIP	1K	5%	1/16W
R244	1-246-153-11	METAL CHIP	2.2	1%	1/10W	R335	1-218-965-11	METAL CHIP	10K	5%	1/16W
R245	1-250-303-11	METAL CHIP	115	0.50%	1/10W	R336	1-218-965-11	METAL CHIP	10K	5%	1/16W
R246	1-218-990-81	SHORT CHIP				R337	1-218-953-11	METAL CHIP	1K	5%	1/16W
R250	1-220-199-81	METAL CHIP	24K	5%	1/16W	R338	1-218-953-11	METAL CHIP	1K	5%	1/16W
R251	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R343	1-218-941-81	METAL CHIP	100	5%	1/16W
R252	1-218-973-11	METAL CHIP	47K	5%	1/16W	R344	1-218-941-81	METAL CHIP	100	5%	1/16W
R255	1-250-307-11	METAL CHIP	9.31K	0.50%	1/10W	R346	1-218-941-81	METAL CHIP	100	5%	1/16W
R256	1-218-973-11	METAL CHIP	47K	5%	1/16W	R347	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R257	1-250-305-11	METAL CHIP	24.3K	0.50%	1/10W	R350	1-218-965-11	METAL CHIP	10K	5%	1/16W
R258	1-216-851-11	METAL CHIP	330K	5%	1/10W	R351	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R260	1-216-864-11	SHORT CHIP				R352	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R261	1-218-990-81	SHORT CHIP				R362	1-218-953-11	METAL CHIP	1K	5%	1/16W
						R373	1-218-990-81	SHORT CHIP			
						R375	1-218-937-11	METAL CHIP	47	5%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R376	1-218-937-11	METAL CHIP	47	5%	1/16W	R906	1-218-941-81	METAL CHIP	100	5%	1/16W
R377	1-218-937-11	METAL CHIP	47	5%	1/16W	R907	1-218-965-11	METAL CHIP	10K	5%	1/16W
R378	1-218-937-11	METAL CHIP	47	5%	1/16W	R908	1-208-675-11	METAL CHIP	470	0.50%	1/16W
R379	1-218-937-11	METAL CHIP	47	5%	1/16W	R909	1-218-965-11	METAL CHIP	10K	5%	1/16W
R380	1-218-937-11	METAL CHIP	47	5%	1/16W	R910	1-218-948-11	METAL CHIP	390	5%	1/16W
R381	1-218-937-11	METAL CHIP	47	5%	1/16W	R911	1-218-965-11	METAL CHIP	10K	5%	1/16W
R382	1-218-937-11	METAL CHIP	47	5%	1/16W	R914	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R385	1-218-941-81	METAL CHIP	100	5%	1/16W	R915	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R387	1-218-941-81	METAL CHIP	100	5%	1/16W	R916	1-218-941-81	METAL CHIP	100	5%	1/16W
R395	1-218-941-81	METAL CHIP	100	5%	1/16W	R950	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R396	1-218-941-81	METAL CHIP	100	5%	1/16W	R951	1-218-941-81	METAL CHIP	100	5%	1/16W
R501	1-218-941-81	METAL CHIP	100	5%	1/16W	R952	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R502	1-218-938-11	METAL CHIP	56	5%	1/16W	R953	1-218-941-81	METAL CHIP	100	5%	1/16W
R503	1-218-938-11	METAL CHIP	56	5%	1/16W	R3308	1-218-941-81	METAL CHIP	100	5%	1/16W
R504	1-218-938-11	METAL CHIP	56	5%	1/16W	R3312	1-218-941-81	METAL CHIP	100	5%	1/16W
R505	1-218-938-11	METAL CHIP	56	5%	1/16W	R3324	1-218-941-81	METAL CHIP	100	5%	1/16W
R506	1-218-938-11	METAL CHIP	56	5%	1/16W	R3325	1-218-965-11	METAL CHIP	10K	5%	1/16W
R507	1-218-938-11	METAL CHIP	56	5%	1/16W	R3326	1-218-941-81	METAL CHIP	100	5%	1/16W
R508	1-218-933-11	METAL CHIP	22	5%	1/16W	R3338	1-218-949-11	METAL CHIP	470	5%	1/16W
R509	1-218-933-11	METAL CHIP	22	5%	1/16W	R3345	1-218-990-81	SHORT CHIP			
R510	1-218-941-11	METAL CHIP	100	5%	1/16W	R3347	1-218-973-11	METAL CHIP	47K	5%	1/16W
R511	1-218-941-11	METAL CHIP	100	5%	1/16W	R3349	1-218-965-11	METAL CHIP	10K	5%	1/16W
R512	1-218-933-11	METAL CHIP	22	5%	1/16W	R3352	1-218-965-11	METAL CHIP	10K	5%	1/16W
R513	1-218-933-11	METAL CHIP	22	5%	1/16W	R3355	1-218-965-11	METAL CHIP	10K	5%	1/16W
R702	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R3362	1-218-990-81	SHORT CHIP			
R703	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R3363	1-218-990-81	SHORT CHIP			
R704	1-218-941-81	METAL CHIP	100	5%	1/16W	R3377	1-218-990-81	SHORT CHIP			
R705	1-218-941-81	METAL CHIP	100	5%	1/16W	R3378	1-218-965-11	METAL CHIP	10K	5%	1/16W
R708	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R3383	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R711	1-208-699-11	METAL CHIP	4.7K	0.50%	1/16W	R4001	1-218-864-11	METAL CHIP	5.1K	0.50%	1/10W
R712	1-218-990-81	SHORT CHIP				R4002	1-208-677-11	METAL CHIP	560	0.50%	1/16W
R713	1-218-990-81	SHORT CHIP				R4003	1-242-967-11	METAL CHIP	1	5%	1/16W
R801	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4111	1-218-945-11	METAL CHIP	220	5%	1/16W
R802	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4112	1-218-945-11	METAL CHIP	220	5%	1/16W
R809	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4113	1-218-945-11	METAL CHIP	220	5%	1/16W
R810	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4158	1-218-941-81	METAL CHIP	100	5%	1/16W
R811	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4160	1-208-927-11	METAL CHIP	47K	0.50%	1/16W
R812	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4162	1-218-990-81	SHORT CHIP			
R817	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4164	1-218-990-81	SHORT CHIP			
R818	1-218-972-11	METAL CHIP	39K	5%	1/16W	R4182	1-218-941-81	METAL CHIP	100	5%	1/16W
R901	1-208-675-11	METAL CHIP	470	0.50%	1/16W	R4186	1-218-941-81	METAL CHIP	100	5%	1/16W
R902	1-218-965-11	METAL CHIP	10K	5%	1/16W	R4188	1-218-941-81	METAL CHIP	100	5%	1/16W
R903	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R4189	1-218-941-81	METAL CHIP	100	5%	1/16W
R904	1-218-929-11	METAL CHIP	10	5%	1/16W	R4192	1-218-990-81	SHORT CHIP			
R905	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R4200	1-218-990-81	SHORT CHIP			



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R4203	1-218-990-81	SHORT CHIP				R4361	1-218-990-81	SHORT CHIP			
R4210	1-218-990-81	SHORT CHIP				R4451	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R4211	1-218-990-81	SHORT CHIP				R6001	1-218-941-11	METAL CHIP	100	5%	1/16W
R4302	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6003	1-218-977-11	METAL CHIP	100K	5%	1/16W
R4303	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6004	1-211-975-11	METAL CHIP	18	0.50%	1/10W
R4304	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6005	1-218-939-11	METAL CHIP	68	5%	1/16W
R4305	1-218-935-11	METAL CHIP	33	5%	1/16W	R6006	1-218-941-81	METAL CHIP	100	5%	1/16W
R4306	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6007	1-216-019-00	METAL CHIP	56	5%	1/10W
R4308	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6008	1-218-941-11	METAL CHIP	100	5%	1/16W
R4309	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6009	1-211-975-11	METAL CHIP	18	0.50%	1/10W
R4310	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6010	1-218-939-11	METAL CHIP	68	5%	1/16W
R4311	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6011	1-216-019-00	METAL CHIP	56	5%	1/10W
R4312	1-218-953-11	METAL CHIP	1K	5%	1/16W	R6012	1-216-019-00	METAL CHIP	56	5%	1/10W
R4313	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6013	1-211-975-11	METAL CHIP	18	0.50%	1/10W
R4315	1-218-941-81	METAL CHIP	100	5%	1/16W	R6014	1-218-939-11	METAL CHIP	68	5%	1/16W
R4316	1-218-941-81	METAL CHIP	100	5%	1/16W	R6016	1-211-975-11	METAL CHIP	18	0.50%	1/10W
R4318	1-218-954-11	METAL CHIP	1.2K	5%	1/16W	R6017	1-218-939-11	METAL CHIP	68	5%	1/16W
R4319	1-218-941-81	METAL CHIP	100	5%	1/16W	R6018	1-216-019-00	METAL CHIP	56	5%	1/10W
R4320	1-218-941-81	METAL CHIP	100	5%	1/16W	R6019	1-218-941-11	METAL CHIP	100	5%	1/16W
R4321	1-218-941-81	METAL CHIP	100	5%	1/16W	R6020	1-211-975-11	METAL CHIP	18	0.50%	1/10W
R4322	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6021	1-218-939-11	METAL CHIP	68	5%	1/16W
R4323	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6022	1-216-019-00	METAL CHIP	56	5%	1/10W
R4324	1-218-965-11	METAL CHIP	10K	5%	1/16W	R6023	1-216-019-00	METAL CHIP	56	5%	1/10W
R4325	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6024	1-211-975-11	METAL CHIP	18	0.50%	1/10W
R4327	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6025	1-218-939-11	METAL CHIP	68	5%	1/16W
R4328	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6026	1-216-864-11	SHORT CHIP			
R4330	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6027	1-218-941-11	METAL CHIP	100	5%	1/16W
R4331	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6028	1-208-755-11	METAL CHIP	75	0.50%	1/10W
R4333	1-218-949-11	METAL CHIP	470	5%	1/16W	R6030	1-218-941-81	METAL CHIP	100	5%	1/16W
R4337	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6031	1-218-941-81	METAL CHIP	100	5%	1/16W
R4338	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6032	1-218-941-81	METAL CHIP	100	5%	1/16W
R4339	1-218-973-11	METAL CHIP	47K	5%	1/16W	R6033	1-218-941-81	METAL CHIP	100	5%	1/16W
R4340	1-218-973-11	METAL CHIP	47K	5%	1/16W	R6034	1-218-941-81	METAL CHIP	100	5%	1/16W
R4341	1-218-976-11	METAL CHIP	82K	5%	1/16W	R6035	1-218-941-81	METAL CHIP	100	5%	1/16W
R4342	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6036	1-218-941-81	METAL CHIP	100	5%	1/16W
R4344	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R6037	1-218-941-81	METAL CHIP	100	5%	1/16W
R4345	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R6151	1-218-937-11	METAL CHIP	47	5%	1/16W
R4349	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6152	1-218-937-11	METAL CHIP	47	5%	1/16W
R4350	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6153	1-218-937-11	METAL CHIP	47	5%	1/16W
R4351	1-218-976-11	METAL CHIP	82K	5%	1/16W	R6156	1-218-939-11	METAL CHIP	68	5%	1/16W
R4353	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R6157	1-208-755-11	METAL CHIP	75	0.50%	1/10W
R4356	1-218-990-81	SHORT CHIP				R6159	1-218-941-11	METAL CHIP	100	5%	1/16W
R4357	1-218-990-81	SHORT CHIP				R6161	1-218-939-11	METAL CHIP	68	5%	1/16W
R4359	1-218-937-11	METAL CHIP	47	5%	1/16W	R6162	1-208-755-11	METAL CHIP	75	0.50%	1/10W
R4360	1-218-937-11	METAL CHIP	47	5%	1/16W	R6165	1-218-939-11	METAL CHIP	68	5%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6166	1-208-755-11	METAL CHIP	75	0.50%	1/10W	R8171	1-216-801-11	METAL CHIP	22	5%	1/10W
R6168	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8174	1-248-492-11	RES-CHIP	6.2	1%	1/3W
R6170	1-218-937-11	METAL CHIP	47	5%	1/16W	R8175	1-218-977-11	METAL CHIP	100K	5%	1/16W
R6171	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8178	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6176	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8179	1-218-977-11	METAL CHIP	100K	5%	1/16W
R6179	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8180	1-218-974-11	METAL CHIP	56K	5%	1/16W
R6180	1-218-937-11	METAL CHIP	47	5%	1/16W	R8182	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6181	1-218-941-81	METAL CHIP	100	5%	1/16W	R8183	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6182	1-218-965-11	METAL CHIP	10K	5%	1/16W	R8184	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6185	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8185	1-218-977-11	METAL CHIP	100K	5%	1/16W
R6186	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8187	1-218-977-11	METAL CHIP	100K	5%	1/16W
R6187	1-218-965-11	METAL CHIP	10K	5%	1/16W	R8189	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6301	1-218-929-11	METAL CHIP	10	5%	1/16W	R8195	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6302	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R8197	1-218-977-11	METAL CHIP	100K	5%	1/16W
R6303	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8200	1-218-977-11	METAL CHIP	100K	5%	1/16W
R6304	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8207	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6305	1-218-929-11	METAL CHIP	10	5%	1/16W	R8303	1-218-973-11	METAL CHIP	47K	5%	1/16W
R6306	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R8304	1-218-973-11	METAL CHIP	47K	5%	1/16W
R6307	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8305	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R6308	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8306	1-218-990-81	SHORT CHIP			
R6309	1-218-970-11	METAL CHIP	27K	5%	1/16W	R8307	1-216-835-11	METAL CHIP	15K	5%	1/10W
R6321	1-218-929-11	METAL CHIP	10	5%	1/16W	R8308	1-218-990-81	SHORT CHIP			
R6451	1-218-929-11	METAL CHIP	10	5%	1/16W	R8309	1-218-949-11	METAL CHIP	470	5%	1/16W
R6452	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R8310	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R6453	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8311	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R6454	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8313	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R6455	1-218-929-11	METAL CHIP	10	5%	1/16W	R8314	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6456	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R8315	1-218-990-81	SHORT CHIP			
R6457	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8316	1-216-835-11	METAL CHIP	15K	5%	1/10W
R6458	1-218-973-11	METAL CHIP	47K	5%	1/16W	R8317	1-218-990-81	SHORT CHIP			
R6605	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8318	1-218-949-11	METAL CHIP	470	5%	1/16W
R6606	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8319	1-218-965-11	METAL CHIP	10K	5%	1/16W
R8151	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8321	1-218-941-81	METAL CHIP	100	5%	1/16W
R8152	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8325	1-218-990-81	SHORT CHIP			
R8155	1-216-801-11	METAL CHIP	22	5%	1/10W	R8326	1-218-990-81	SHORT CHIP			
R8156	1-248-492-11	RES-CHIP	6.2	1%	1/3W	R8327	1-216-001-00	METAL CHIP	10	5%	1/10W
R8157	1-248-492-11	RES-CHIP	6.2	1%	1/3W	R8330	1-218-990-81	SHORT CHIP			
R8158	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R8331	1-218-990-81	SHORT CHIP			
R8160	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	* RN501	1-234-714-11	RES, NETWORK 56	(1005X4)		
R8162	1-218-965-11	METAL CHIP	10K	5%	1/16W	* RN502	1-234-714-11	RES, NETWORK 56	(1005X4)		
R8163	1-218-941-81	METAL CHIP	100	5%	1/16W	* RN503	1-234-714-11	RES, NETWORK 56	(1005X4)		
R8164	1-218-941-81	METAL CHIP	100	5%	1/16W	* RN504	1-234-714-11	RES, NETWORK 56	(1005X4)		
R8165	1-218-941-81	METAL CHIP	100	5%	1/16W	* RN505	1-234-714-11	RES, NETWORK 56	(1005X4)		
R8166	1-248-492-11	RES-CHIP	6.2	1%	1/3W	* RN506	1-234-714-11	RES, NETWORK 56	(1005X4)		
R8170	1-218-965-11	METAL CHIP	10K	5%	1/16W	* RN507	1-234-714-11	RES, NETWORK 56	(1005X4)		



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
*	RN508	1-234-714-11	RES, NETWORK 56 (1005X4)				
*	RN509	1-234-714-11	RES, NETWORK 56 (1005X4)				
*	RN510	1-234-714-11	RES, NETWORK 56 (1005X4)				
	RN8151	1-234-372-11	RES, NETWORK 100 (1005X4)				
<u>SWITCH</u>				<u>CAPACITOR</u>			
SW701	1-780-152-11	CONTACT, ON-BOARD		C9101	1-100-909-11	CERAMIC CHIP	10µF 10% 6.3V
SW702	1-780-152-11	CONTACT, ON-BOARD		C9102	1-164-874-11	CERAMIC CHIP	100pF 5% 50V
SW703	1-780-152-11	CONTACT, ON-BOARD		C9113	1-100-909-11	CERAMIC CHIP	10µF 10% 6.3V
SW704	1-780-152-11	CONTACT, ON-BOARD		C9116	1-114-130-11	CERAMIC CHIP	1µF 10% 6.3V
SW705	1-780-152-11	CONTACT, ON-BOARD		C9117	1-114-130-11	CERAMIC CHIP	1µF 10% 6.3V
SW706	1-780-152-11	CONTACT, ON-BOARD		C9119	1-100-909-11	CERAMIC CHIP	10µF 10% 6.3V
SW707	1-780-152-11	CONTACT, ON-BOARD		C9124	1-100-916-11	CERAMIC CHIP	0.1µF 10% 16V
				C9126	1-100-916-11	CERAMIC CHIP	0.1µF 10% 16V
<u>TRANSFORMER</u>				<u>CONNECTOR</u>			
TM701	1-693-791-11	TUNER		CN9101	1-821-139-11	HEADER ASSEMBLY FOR PWB	
<u>CRYSTAL</u>				<u>DIODE</u>			
X301	1-814-378-11	QUARTZ CRYSTAL UNITS		* D9101	6-502-294-01	DIODE	SML-D13M8WT86S
X4301	1-814-366-11	QUARTZ CRYSTAL UNIT		D9102	6-502-196-01	DIODE	SML-D12Y8WT86SP
				D9103	6-502-598-01	DIODE	SML-D12U8WT86
				* D9104	6-502-294-01	DIODE	SML-D13M8WT86S
<u>FERRITE BEAD</u>				<u>RESISTOR</u>			
				FB9100	1-500-957-11	FERRITE	0µH
				FB9101	1-500-957-11	FERRITE	0µH
				R9106	1-218-929-11	METAL CHIP	10 5% 1/16W
				R9107	1-218-937-11	METAL CHIP	47 5% 1/16W
				R9109	1-218-990-81	SHORT CHIP	
				R9110	1-218-990-81	SHORT CHIP	
				R9111	1-218-990-81	SHORT CHIP	
				R9112	1-218-990-81	SHORT CHIP	
				R9126	1-218-990-81	SHORT CHIP	
				R9127	1-218-990-81	SHORT CHIP	0

A-1758-163-A HRK BOARD, MOUNTED

CAPACITOR

C9101	1-100-909-11	CERAMIC CHIP	10µF	10%	6.3V
C9102	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C9113	1-100-909-11	CERAMIC CHIP	10µF	10%	6.3V
C9116	1-114-130-11	CERAMIC CHIP	1µF	10%	6.3V
C9117	1-114-130-11	CERAMIC CHIP	1µF	10%	6.3V
C9119	1-100-909-11	CERAMIC CHIP	10µF	10%	6.3V
C9124	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V
C9126	1-100-916-11	CERAMIC CHIP	0.1µF	10%	16V

CONNECTOR

CN9101	1-821-139-11	HEADER ASSEMBLY FOR PWB
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DIODE

* D9101	6-502-294-01	DIODE	SML-D13M8WT86S
D9102	6-502-196-01	DIODE	SML-D12Y8WT86SP
D9103	6-502-598-01	DIODE	SML-D12U8WT86
* D9104	6-502-294-01	DIODE	SML-D13M8WT86S

FERRITE BEAD

FB9100	1-500-957-11	FERRITE	0µH
FB9101	1-500-957-11	FERRITE	0µH




RESISTOR

R9106	1-218-929-11	METAL CHIP	10	5%	1/16W
R9107	1-218-937-11	METAL CHIP	47	5%	1/16W
R9109	1-218-990-81	SHORT CHIP			
R9110	1-218-990-81	SHORT CHIP			
R9111	1-218-990-81	SHORT CHIP			
R9112	1-218-990-81	SHORT CHIP			
R9126	1-218-990-81	SHORT CHIP			
R9127	1-218-990-81	SHORT CHIP	0		

APPENDIX A: ENCRYPTION KEY COMPONENTS

Encryption key components developed by Sony Corporation contain confidential information, and shall be handled under the non-disclosure obligations provided in the applicable agreement with Sony Corporation (and/or its subsidiary).

As part of this agreement specific instructions must be adhered to whenever a Circuit Board containing encryption key components is repaired and/or replaced pursuant to the following:

- 1) In the service manual the Circuit Board(s) containing encryption key components shall be identified with a **red outline and a **.
- 2) Only repair boards or components listed in the service manual shall be utilized for replacement and/or repair.
- 3) Disassembly, decryption, or reverse-engineering component(s) is strictly prohibited.
- 4) Any board in which the Servicer replaces an encryption key component must be placed back into the set it originally came from and the replaced defective component **MUST BE DESTROYED**. Boards cannot be swapped.
- 5) If a Circuit Board identified with a **red outline and a ** in the service manual is deemed to be defective:
 - a) and if a core charge is imposed and is covered under the product warranty, the defective un-repaired or modified board **MUST BE RETURNED** to Sony.
 - b) and if the core charge is **NOT** covered under the product warranty, the defective un-repaired or modified board **MUST BE DESTROYED**.
- 5) If a unit is destroyed (such as field scrap), the Circuit Board identified with a **red outline and a ** in the service manual **MUST BE DESTROYED**.