

## SERVICE MANUAL

## AZ1-L CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>	<b>LEVEL 3 CONFIDENTIAL</b>
<b>KDL-32EX305</b>	RM-YD047	ARGENTINA	
<b>KDL-32EX305</b>	RM-YD047	LATIN AMERICA	
<b>KDL-32EX306</b>	RM-YD047	ARGENTINA	
<b>KDL-32EX306</b>	RM-YD047	LATIN AMERICA	
<b>KDL-32EX405</b>	RM-YD047	ARGENTINA	
<b>KDL-32EX405</b>	RM-YD047	LATIN AMERICA	
<b>KDL-40EX405</b>	RM-YD047	ARGENTINA	
<b>KDL-40EX405</b>	RM-YD047	LATIN AMERICA	
<b>KDL-40EX406</b>	RM-YD047	ARGENTINA	
<b>KDL-40EX406</b>	RM-YD047	LATIN AMERICA	
<b>KDL-46EX405</b>	RM-YD047	ARGENTINA	
<b>KDL-46EX405</b>	RM-YD047	LATIN AMERICA	

**CONFIDENTIAL**  
**ELECTRICAL SERVICE MANUAL**  
**INTERNAL ONLY**

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REVISION DATE

SUBJECT

2/2010

No revisions or updates are applicable at this time.

## TABLE OF CONTENTS

SECTION TITLE	PAGE
Warnings and Cautions - English .....	3
Safety-Related Component Warning .....	4
Safety Check-Out .....	6
<b>SECTION 1: DIAGRAMS .....</b>	<b>7</b>
1-1. Circuit Boards Location .....	7
1-2. Printed Wiring Boards and Schematic Diagrams Information .....	7
1-3. Block Diagrams .....	9
1-4. Schematics and Supporting Information .....	10
BAL Board Schematic Diagram (1 of 18) .....	10
BAL Board Schematic Diagram (2 of 18) .....	11
BAL Board Schematic Diagram (3 of 18) .....	12
BAL Board Schematic Diagram (4 of 18) .....	13
BAL Board Schematic Diagram (5 of 18) .....	14
BAL Board Schematic Diagram (6 of 18) .....	15
BAL Board Schematic Diagram (7 of 18) .....	16
BAL Board Schematic Diagram (8 of 18) .....	17
BAL Board Schematic Diagram (9 of 18) .....	18
BAL Board Schematic Diagram (10 of 18) .....	19
BAL Board Schematic Diagram (11 of 18) .....	20
BAL Board Schematic Diagram (12 of 18) .....	21
BAL Board Schematic Diagram (13 of 18) .....	22
BAL Board Schematic Diagram (14 of 18) .....	23
BAL Board Schematic Diagram (15 of 18) .....	24
BAL Board Schematic Diagram (16 of 18) .....	25
BAL Board Schematic Diagram (17 of 18) .....	26
BAL Board Schematic Diagram (18 of 18) .....	27
G2HE Board Schematic Diagram (KDL-40EX405/40EX406 Only) .....	30
G2LE Board Schematic Diagram (KDL-32EX305/32EX306/32EX405 Only) .....	32
GD2 Board Schematic Diagram (Page 1 of 2) (KDL-46EX405 Only) .....	34
GD2 Board Schematic Diagram (Page 2 of 2) (KDL-46EX405 Only) .....	35
HLR Board Schematic Diagram .....	37
<b>SECTION 2: ELECTRICAL PARTS LIST .....</b>	<b>39</b>
<b>APPENDIX A: ENCRYPTION KEY COMPONENTS .....</b>	<b>A-1</b>

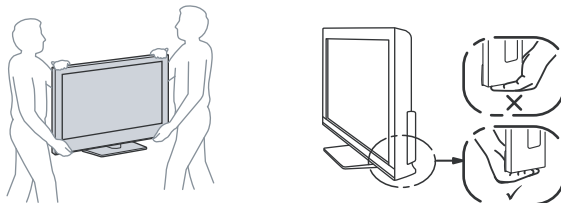
## WARNINGS AND CAUTIONS - ENGLISH

### CAUTION

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

### CARRYING THE TV

- Carry the TV with the adequate number of people; larger size TVs require two or more people.
- Correct hand placement while carrying the TV is very important for safety and to avoid damage.



### WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.



### SAFETY-RELATED COMPONENT WARNING!!

Components identified by shading and ⚠ mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

### HANDLING THE GLASS ASSEMBLY

Gloves should be worn when handling the Glass Assembly to prevent leaving fingerprints or dirt on the glass.

## 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.

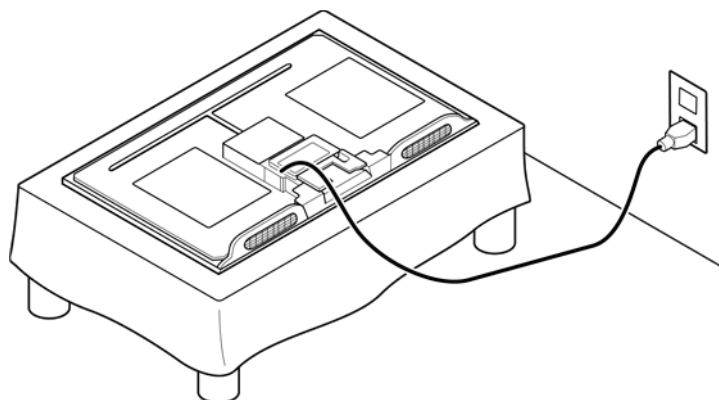
## USE CAUTION WHEN HANDLING THE LCD PANEL

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

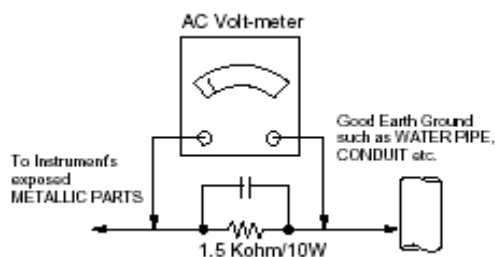
When installing the LCD panel on a wall, the LCD panel must be secured using the 4 mounting holes on the rear cover.

### 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).
- during the repair, DO NOT leave the Power On for more than 1 hour while the TV is face down on a cloth.

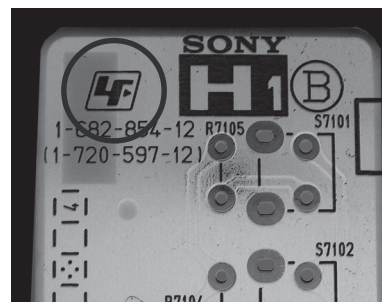


## LEAKAGE CURRENT HOT CHECK CIRCUIT





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

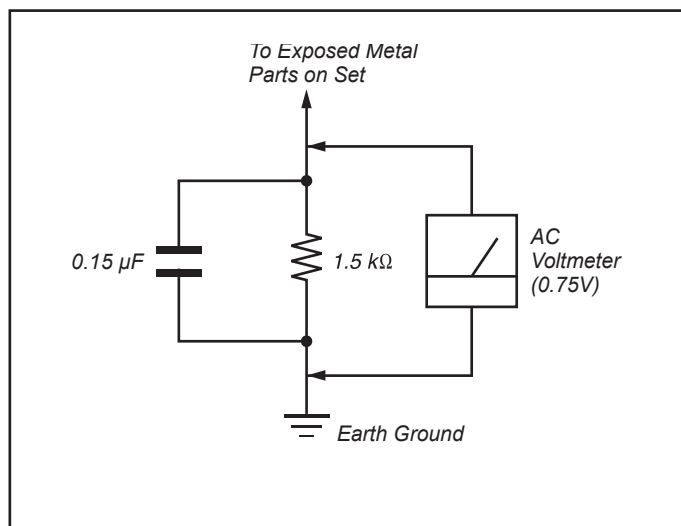


Figure A. Using an AC voltmeter to check AC leakage.

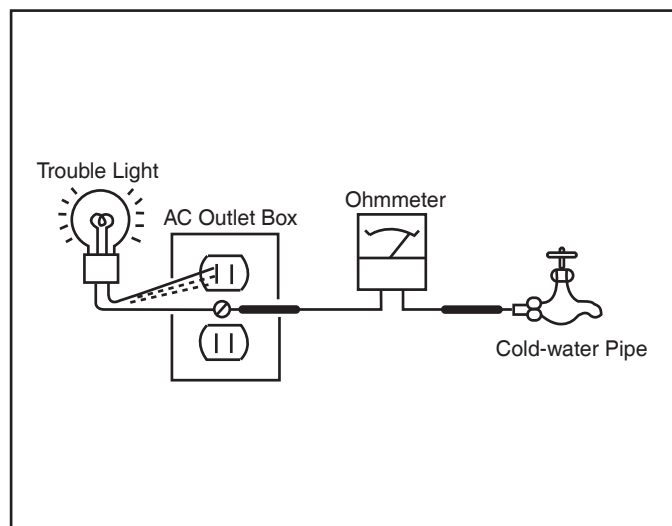
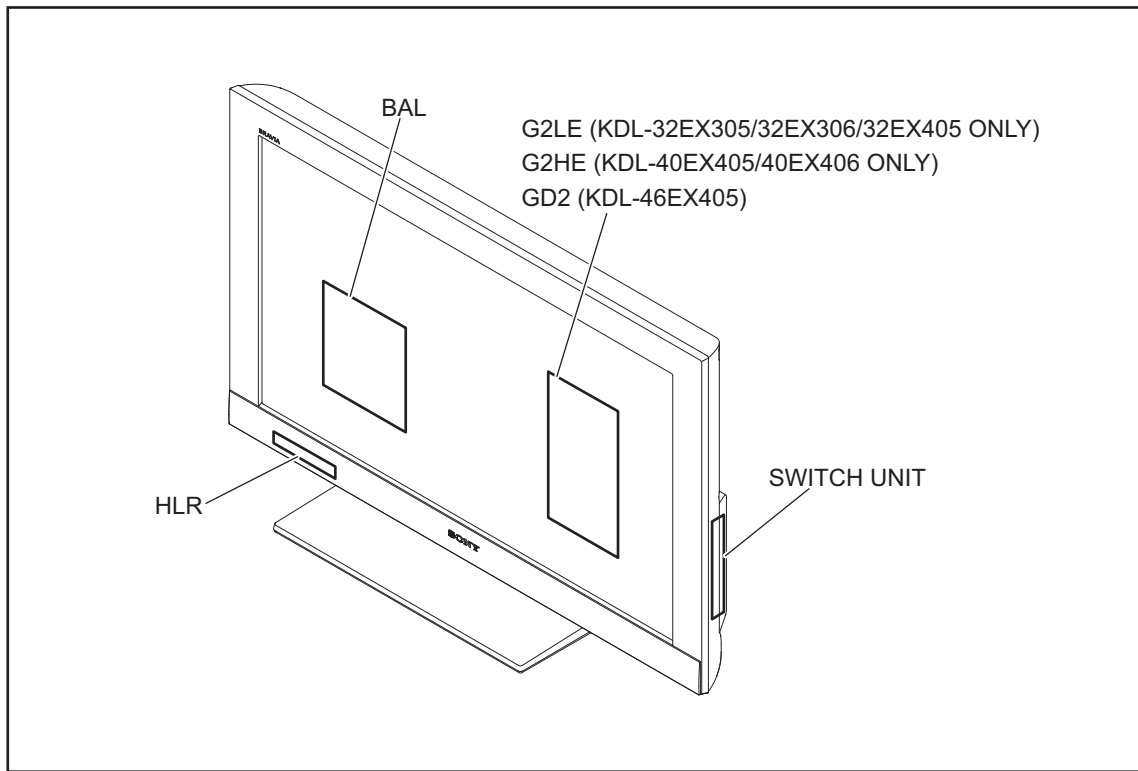


Figure B. Checking for earth ground.

## SECTION 1: DIAGRAMS

### 1-1. CIRCUIT BOARDS LOCATION



### 1-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$  :  $\mu\text{F}$  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 :  $\frac{1}{4}\text{W}$

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

**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		CAPACITOR	
: RN	METAL FILM	: TA	TANTALUM
: RC	SOLID	: PS	STYROL
: FPRD	NONFLAMMABLE CARBON	: PP	POLYPROPYLENE
: FUSE	NONFLAMMABLE FUSIBLE	: PT	MYLAR
: RW	NONFLAMMABLE WIREWOUND	: MPS	METALIZED POLYESTER
: RS	NONFLAMMABLE METAL OXIDE	: MPP	METALIZED POLYPROPYLENE
: RB	NONFLAMMABLE CEMENT	: ALB	BIPOLAR
: ※	ADJUSTMENT RESISTOR	: ALT	HIGH TEMPERATURE
		: ALR	HIGH RIPPLE
COIL			
: LF-8L	MICRO INDUCTOR		

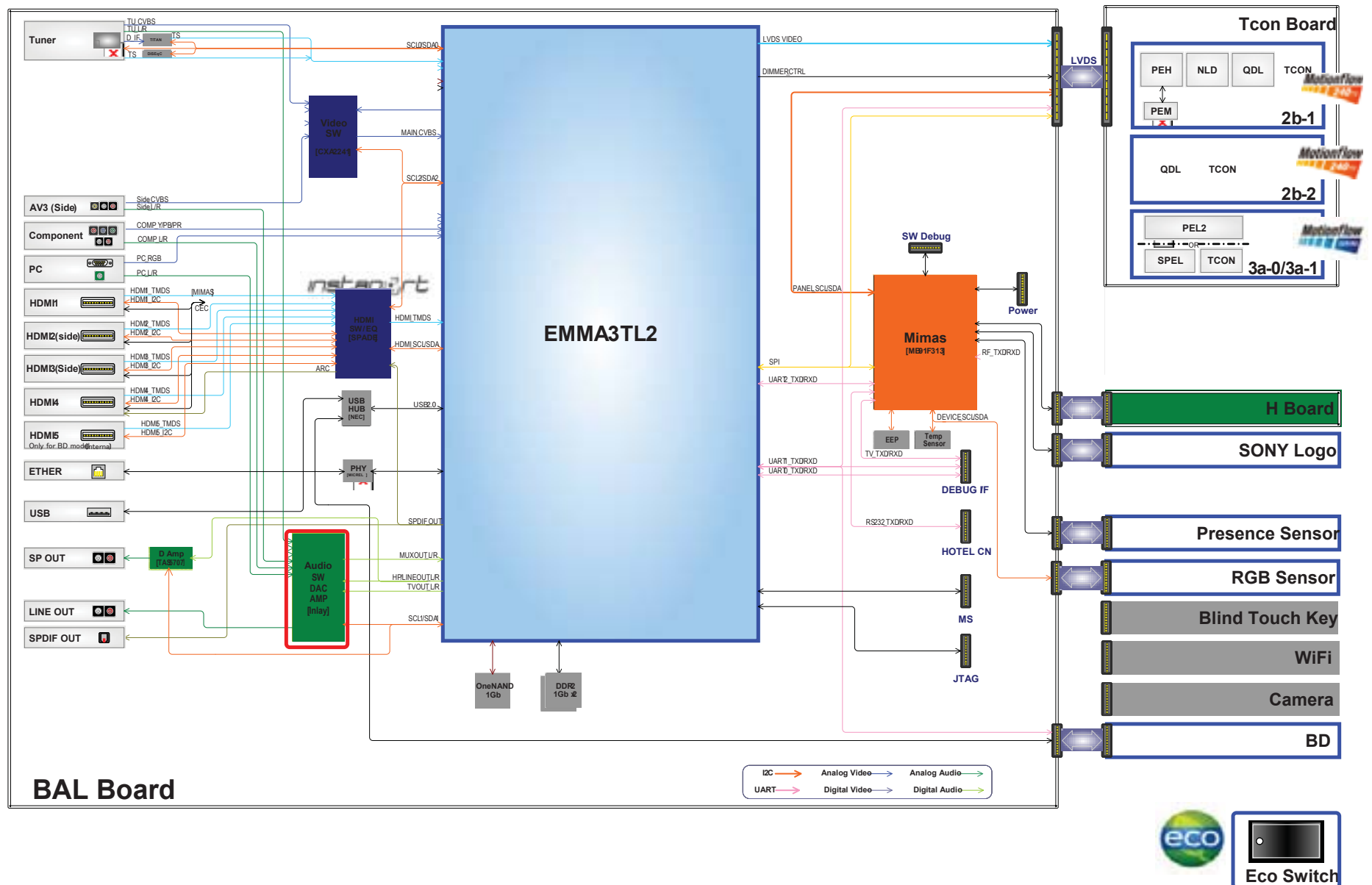
Terminal name of semiconductors in silk screen printed circuit (※)

	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 Anode Cathode 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			

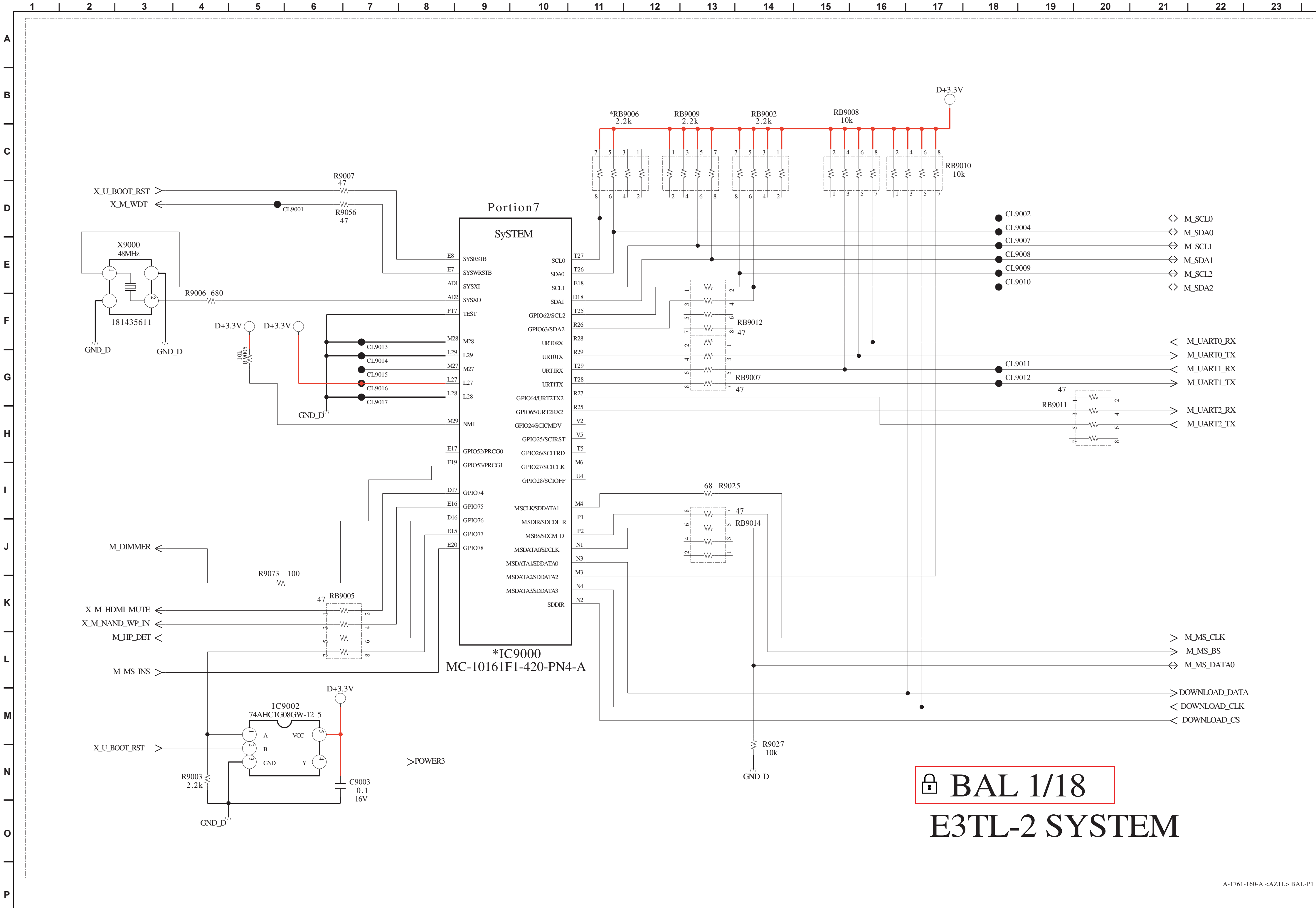
(Chip semiconductors that are not actually used are included.)

Ver.1.6

## 1-3. BLOCK DIAGRAMS



1-4. SCHEMATICS AND SUPPORTING INFORMATION  
BAL BOARD SCHEMATIC DIAGRAM (1 OF 18)



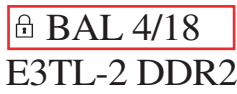
**BAL 1/18**  
**E3TL-2 SYSTEM**





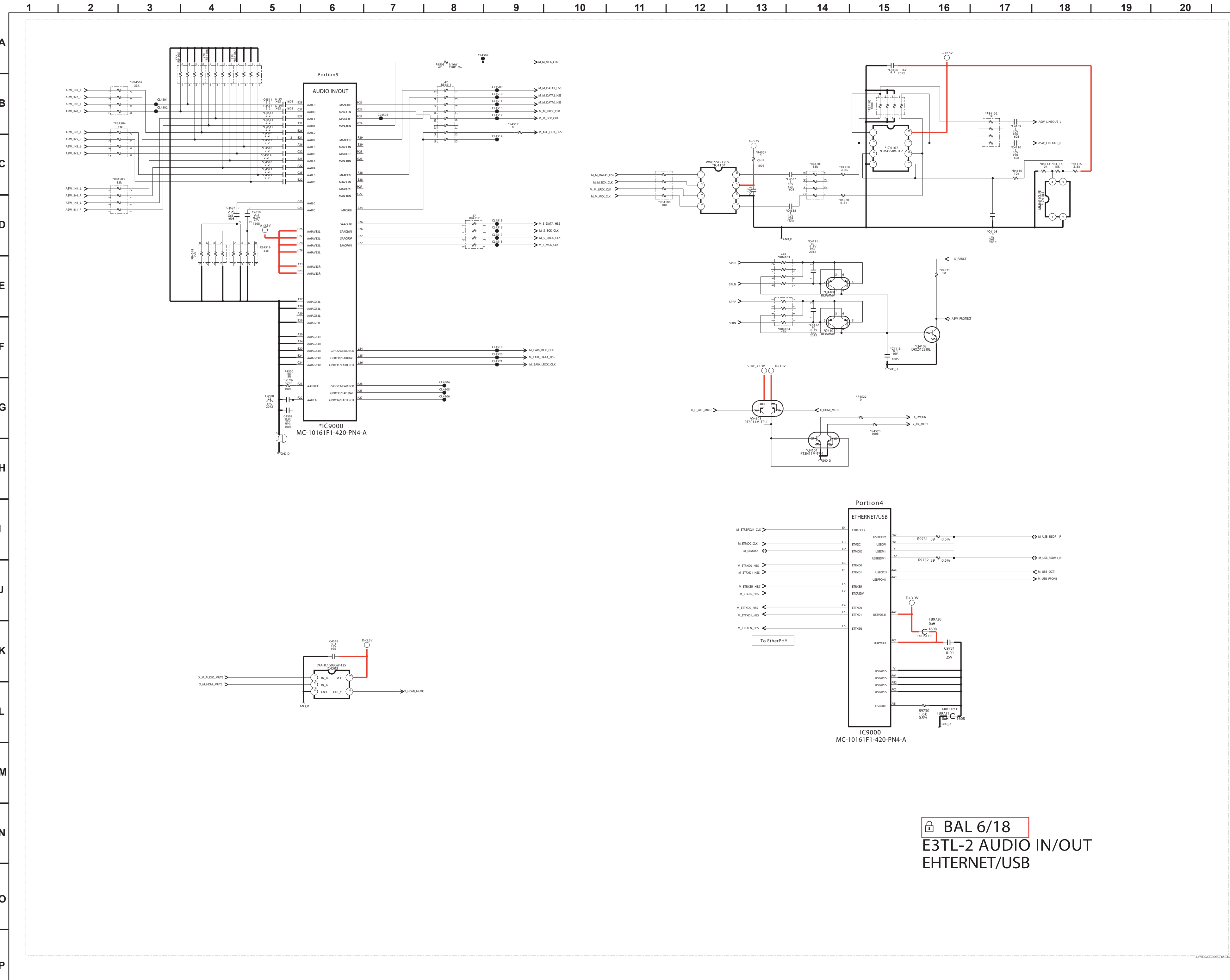




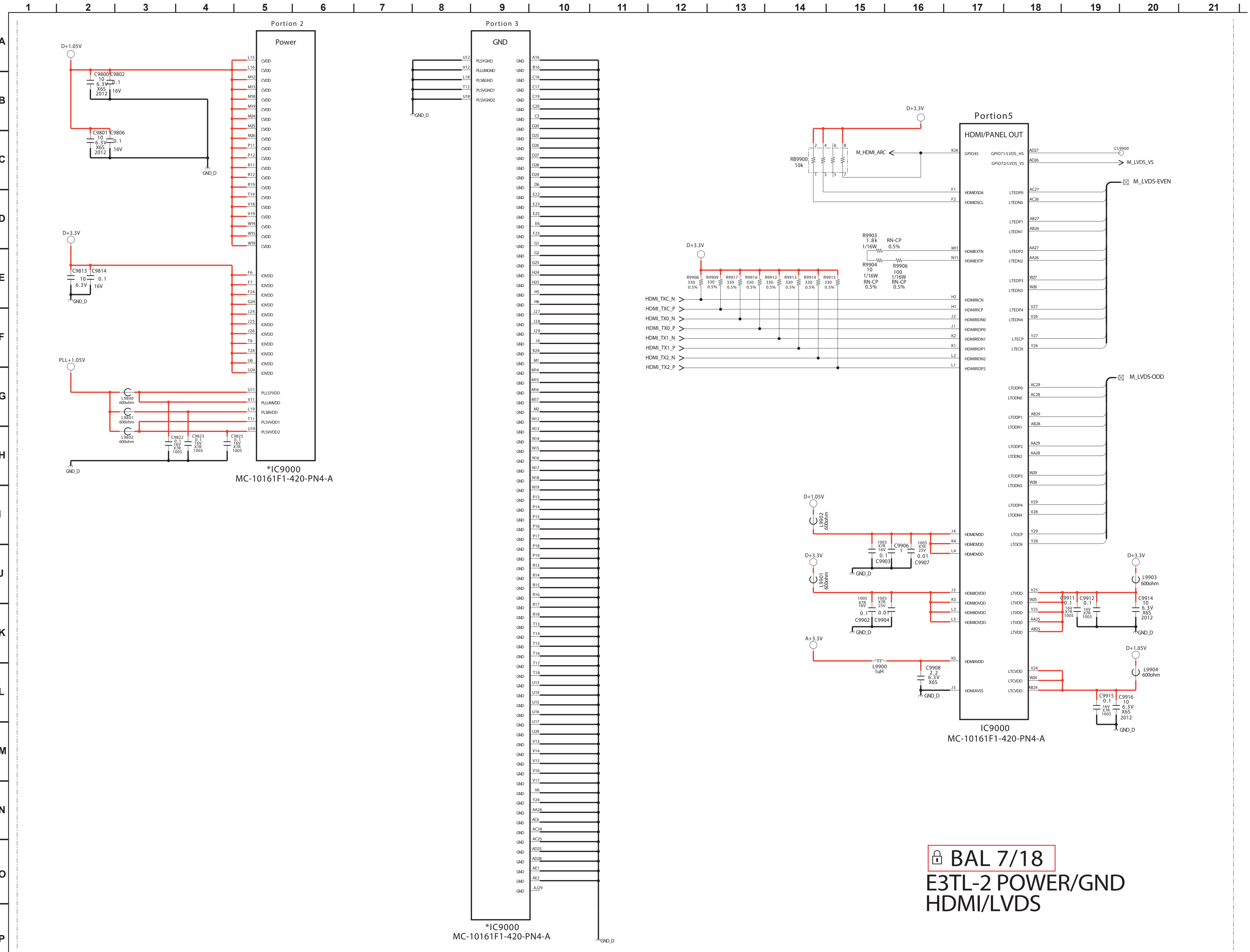




BAL BOARD SCHEMATIC DIAGRAM (6 OF 18)



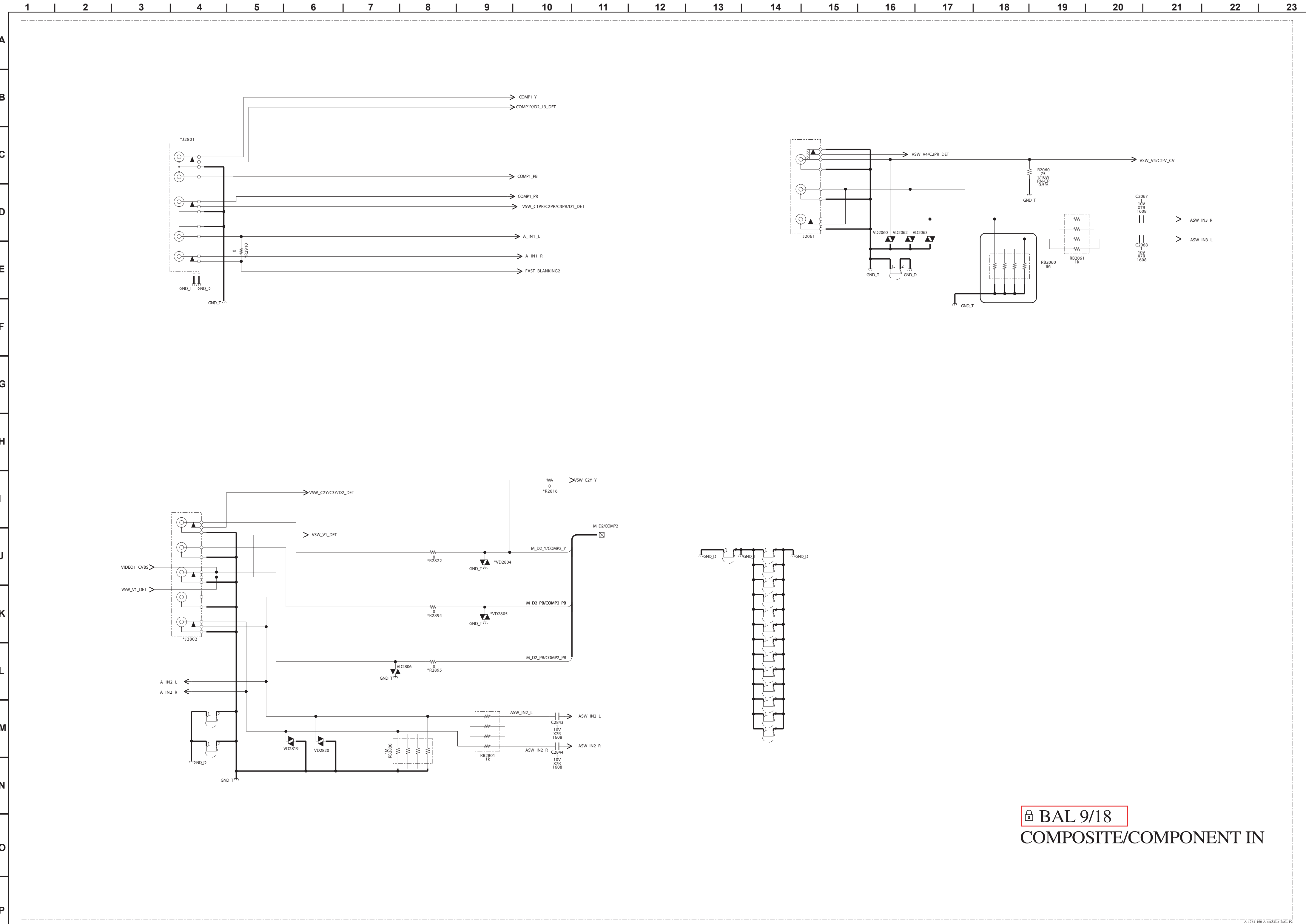
BAL BOARD SCHEMATIC DIAGRAM (7 OF 18)







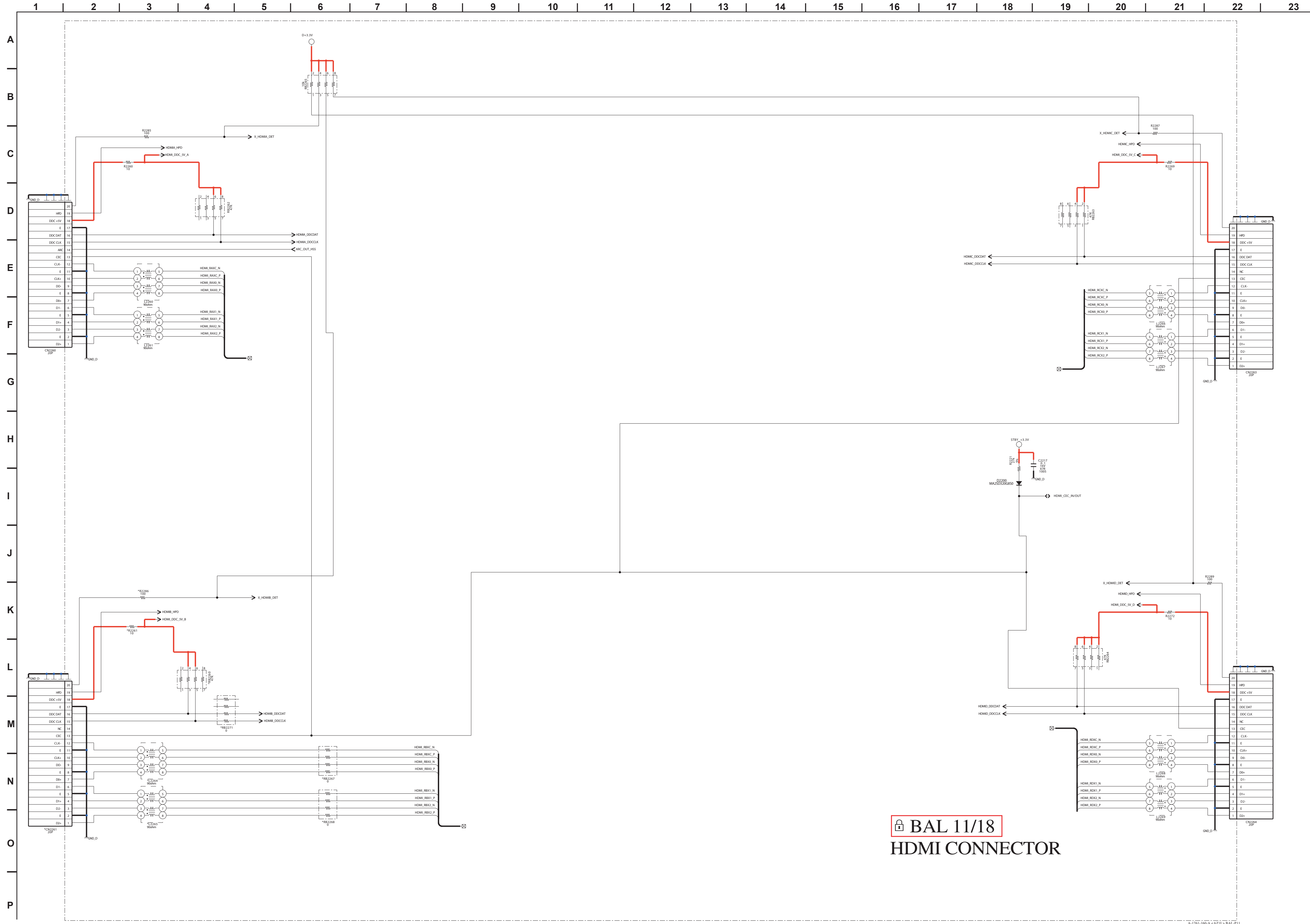
BAL BOARD SCHEMATIC DIAGRAM (9 OF 18)



 BAL 9/18  
COMPOSITE/COMPONENT IN



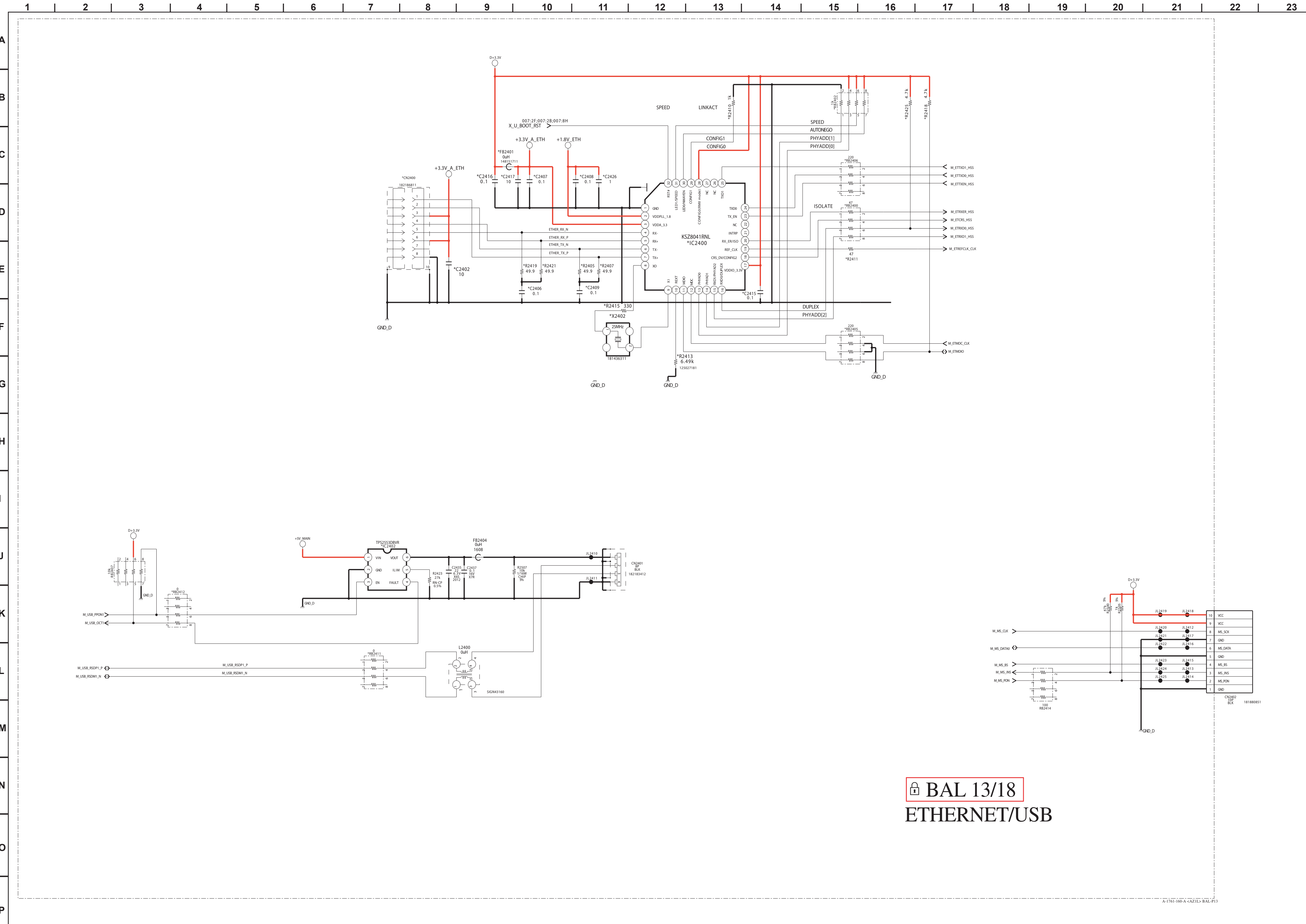
## BAL BOARD SCHEMATIC DIAGRAM (11 OF 18)







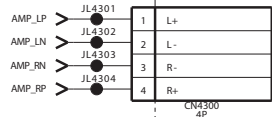
BAL BOARD SCHEMATIC DIAGRAM (13 OF 18)



**BAL 13/18**  
**ETHERNET/USB**

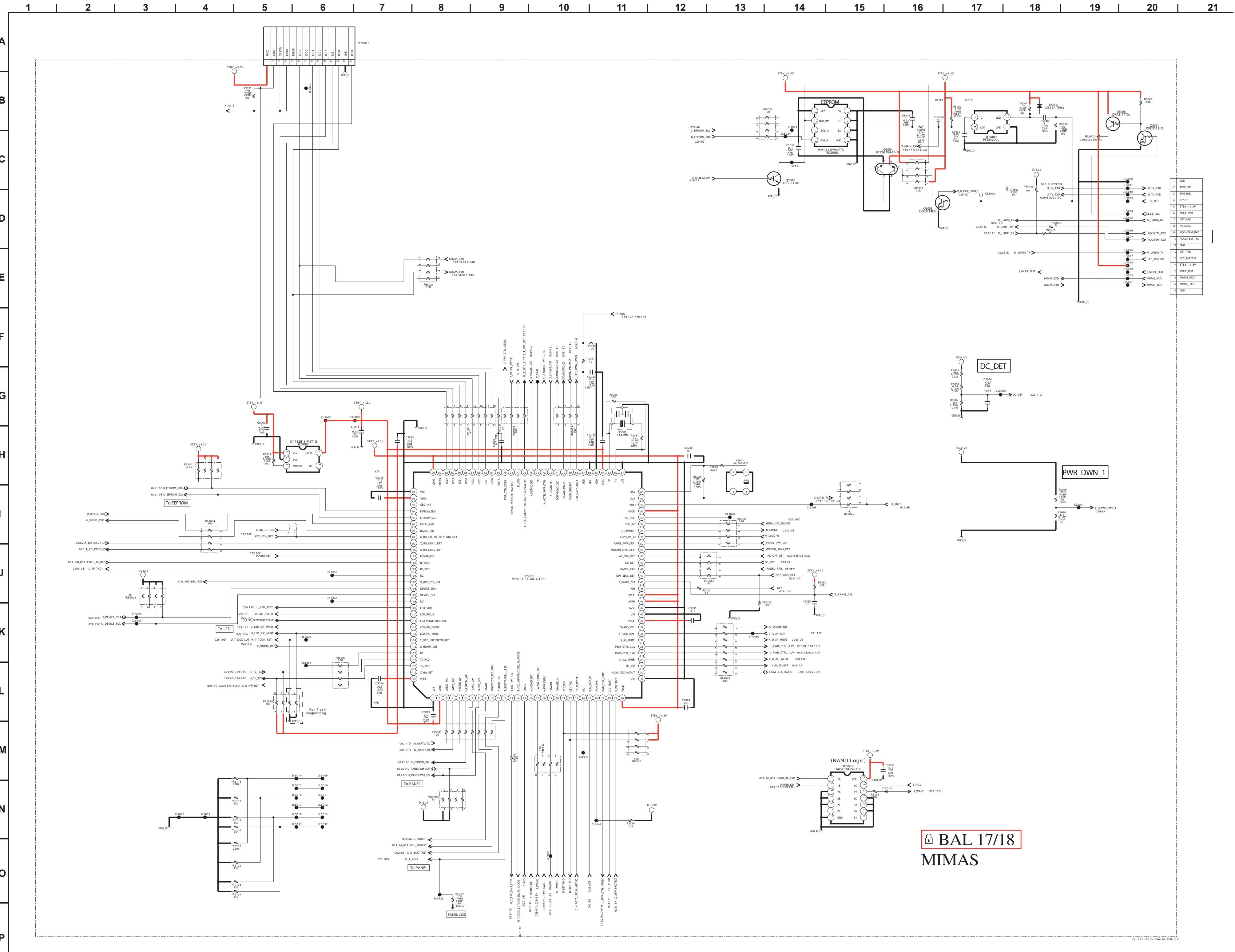






A-1761-160-A &lt;AZ1L&gt; BAL-P2

BAL BOARD SCHEMATIC DIAGRAM (17 OF 18)



BAL 17/18  
MIMAS

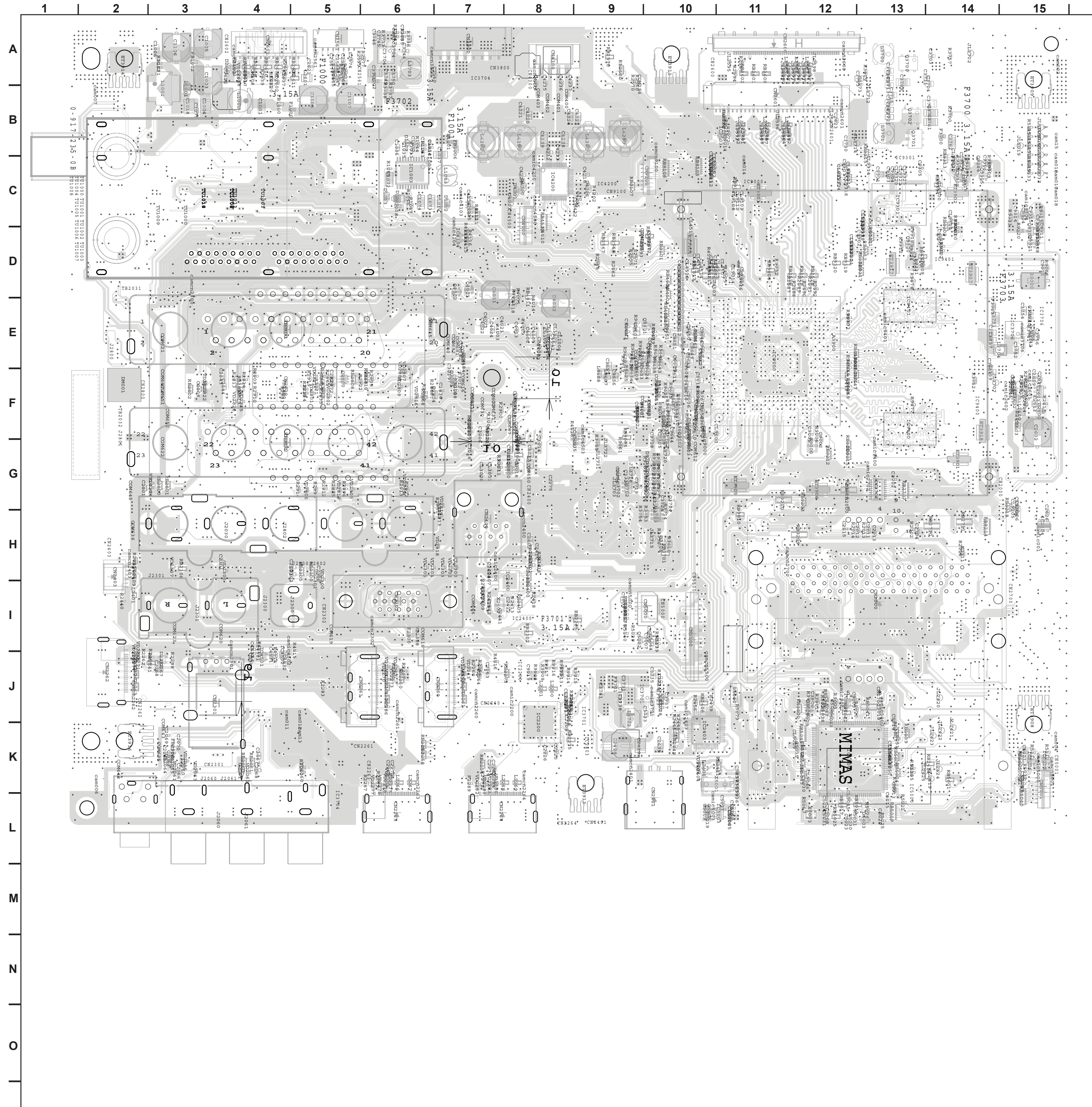








[E3TL-2 SYSTEM/STREAM/DEMOD/STRAPS/CI/NAND/DDR2/VIDEO/IN/OUT/AUDIO IN/OUT/ETHERNET/USB/POWER/GND/HDMI/LVDS/TUNER/COMPOSITE/COMPONENT IN/HDMI EQ\_SW/HDMI CONNECTOR/PC INPUT/ETHERNET/USB/MIMAS CS/PANEL CONN/VIDEO SW/AUDIO SW/MIMAS/POWER]  
COMPONENT SIDE

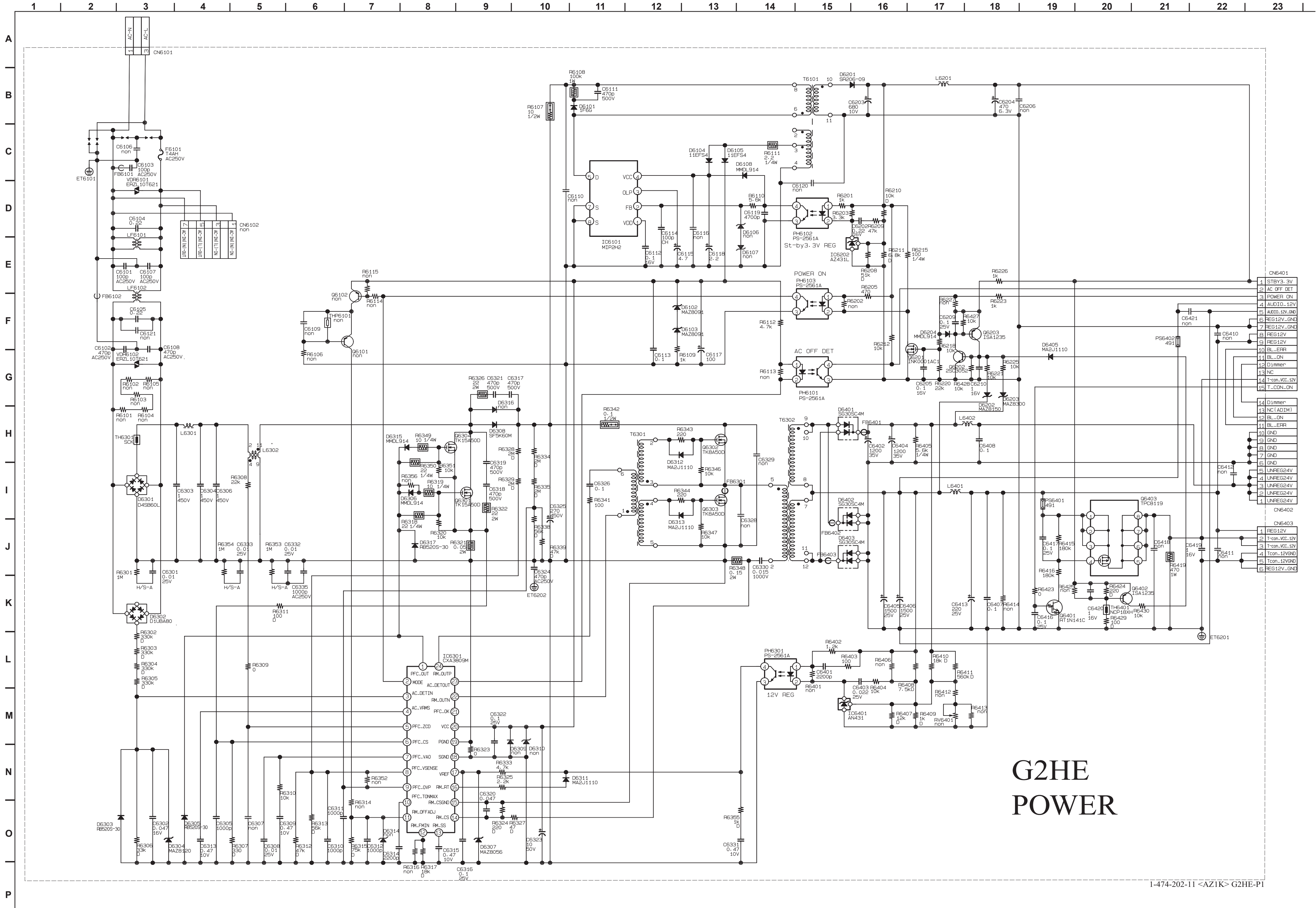






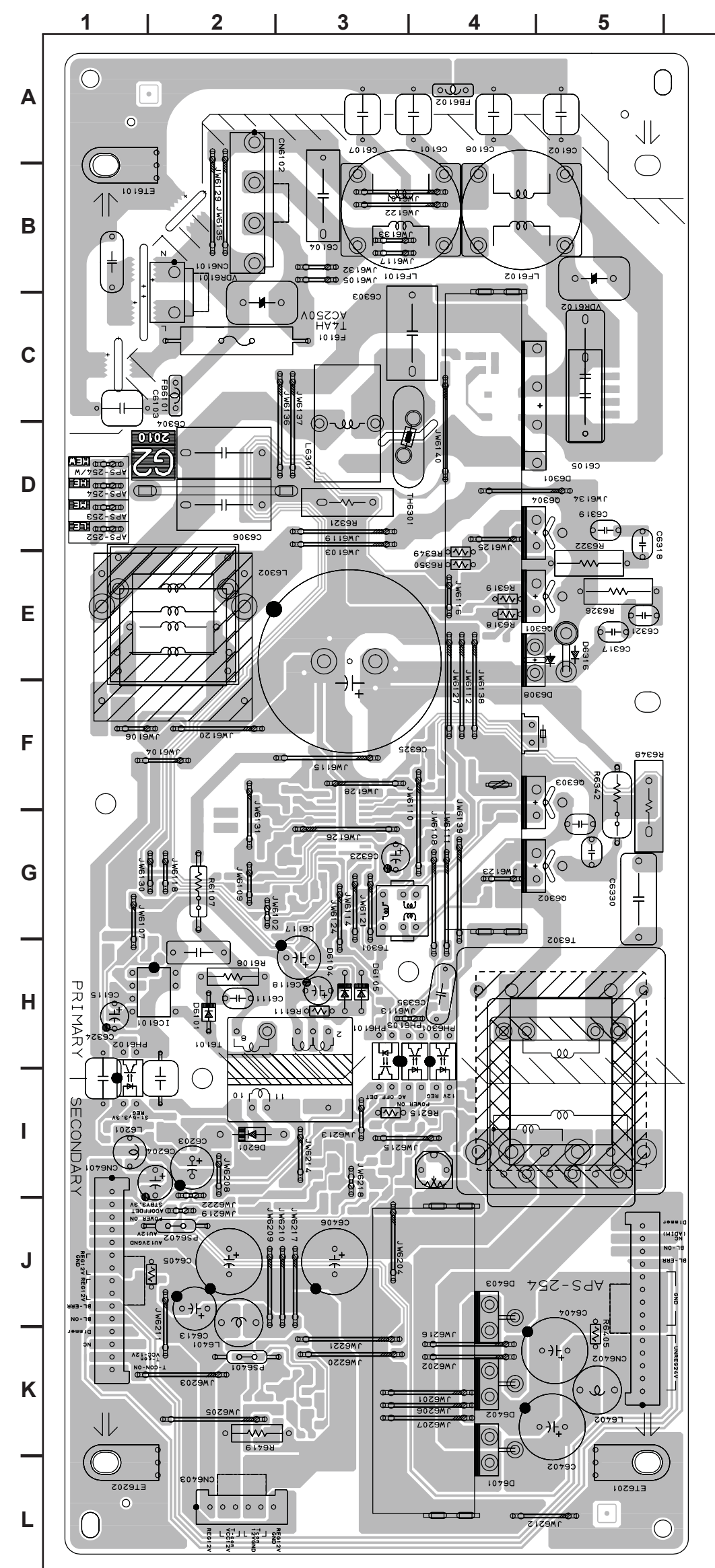


G2HE BOARD SCHEMATIC DIAGRAM (KDL-40EX405/40EX406 ONLY)

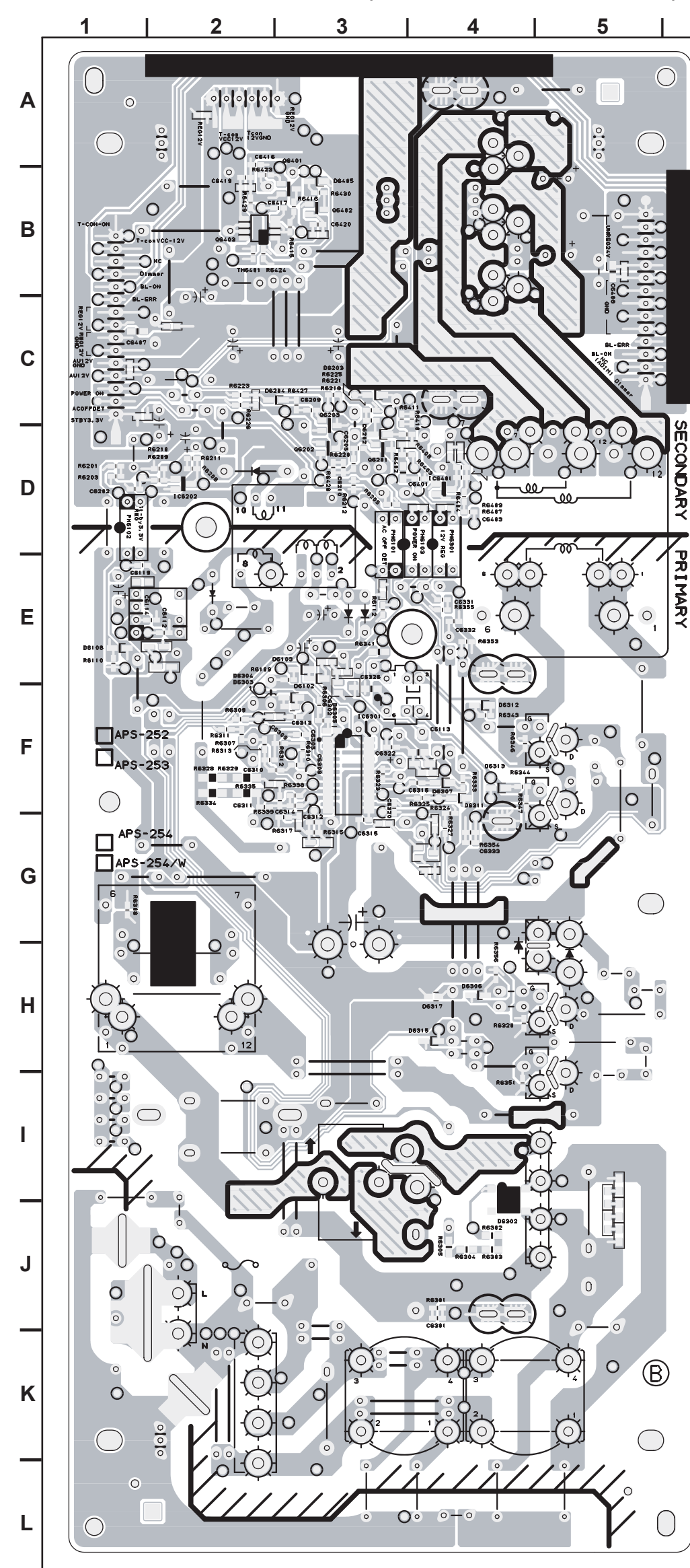


1-474-202-11 <AZ1K> G2HE-P1

**G2HE**<sup>[POWER]</sup>  
**COMPONENT SIDE (KDL-40EX405/40EX406 ONLY)**

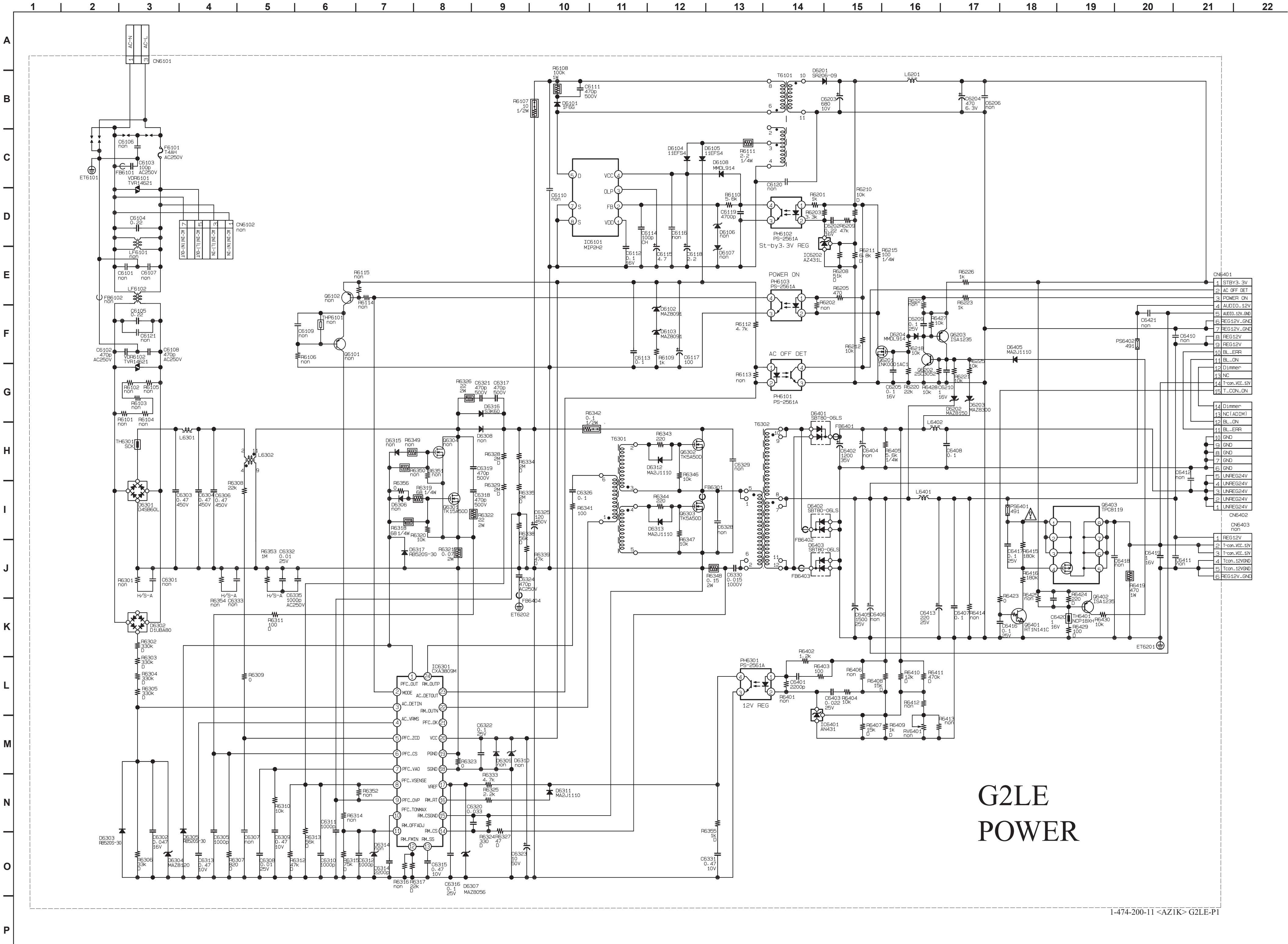


**G2HE** <sup>[POWER]</sup>  
CONDUCTOR SIDE (KDL-40EX405/40EX406 ONLY)





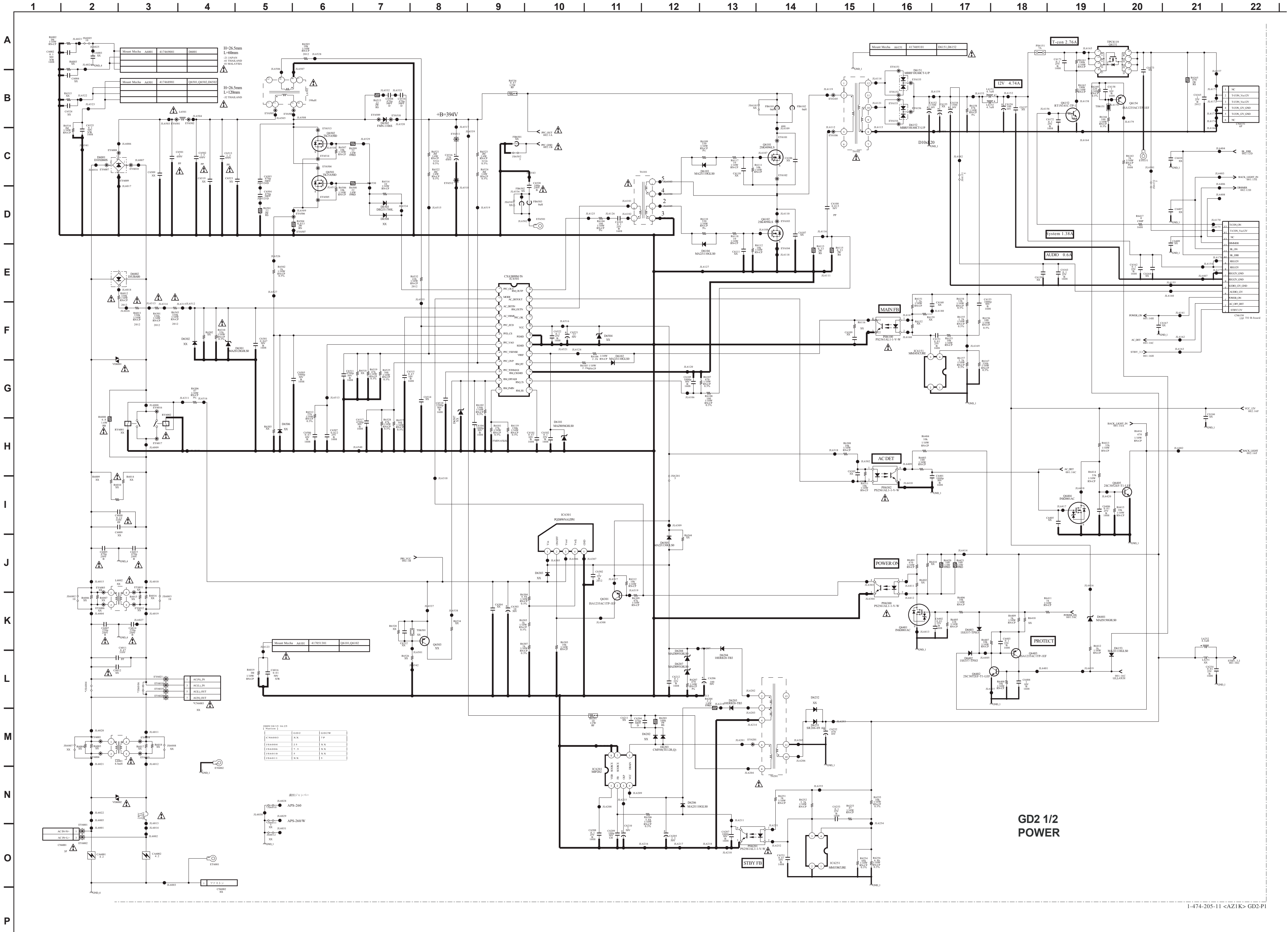
G2LE BOARD SCHEMATIC DIAGRAM (KDL-32EX305/32EX306/32EX405 ONLY)



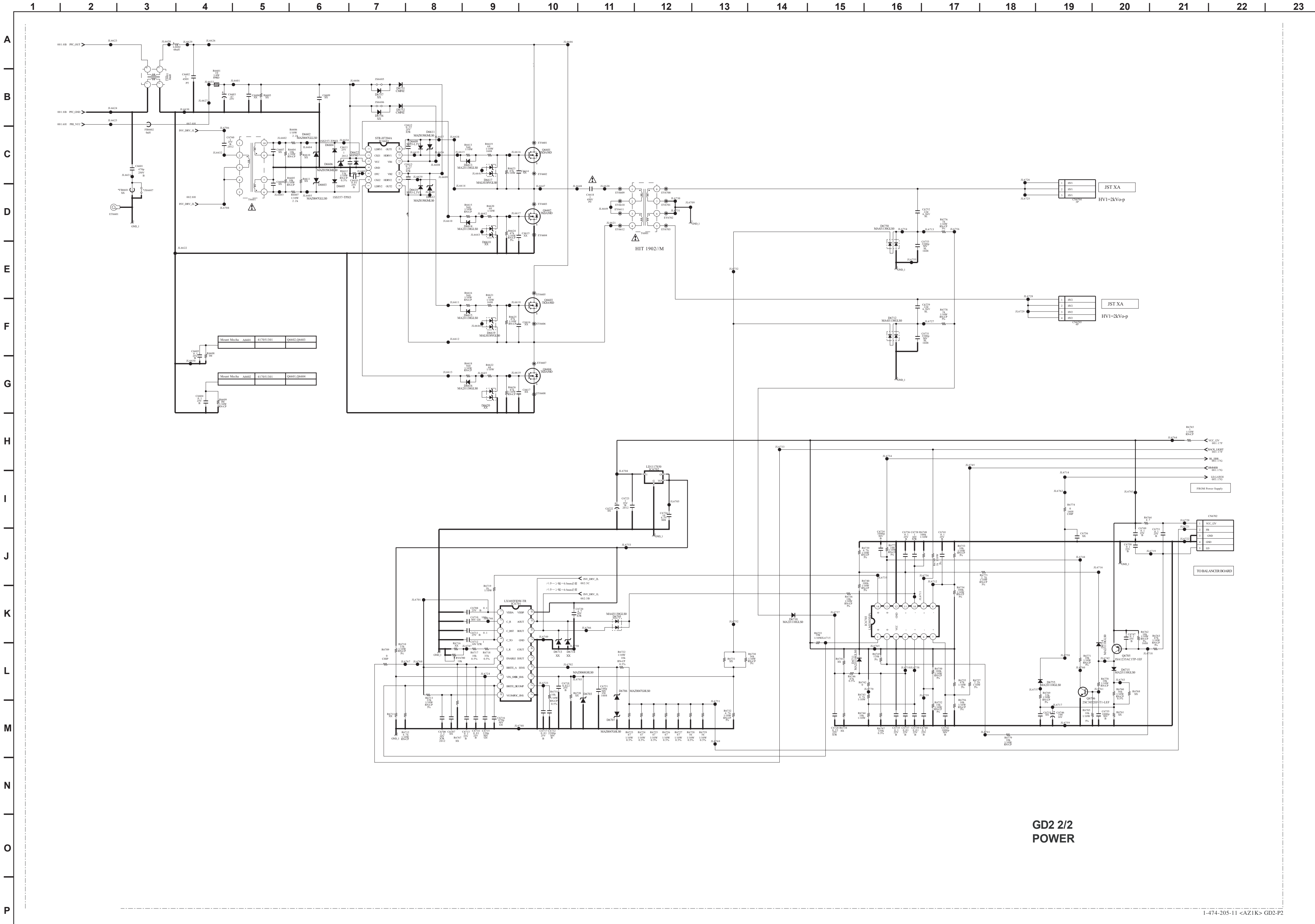




GD2 BOARD SCHEMATIC DIAGRAM (PAGE 1 OF 2) (KDL-46EX405 ONLY)

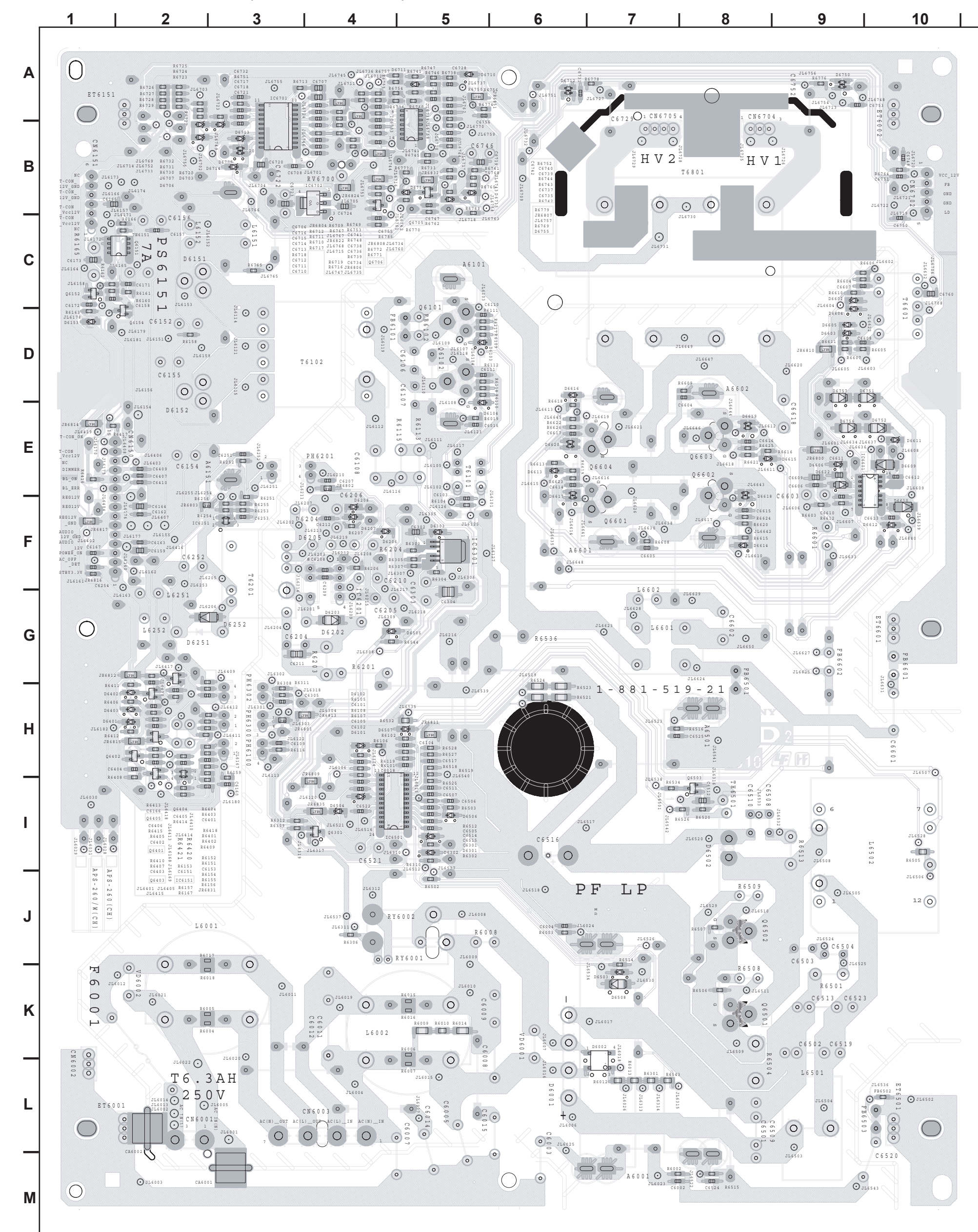


GD2 BOARD SCHEMATIC DIAGRAM (PAGE 2 OF 2) (KDL-46EX405 ONLY)



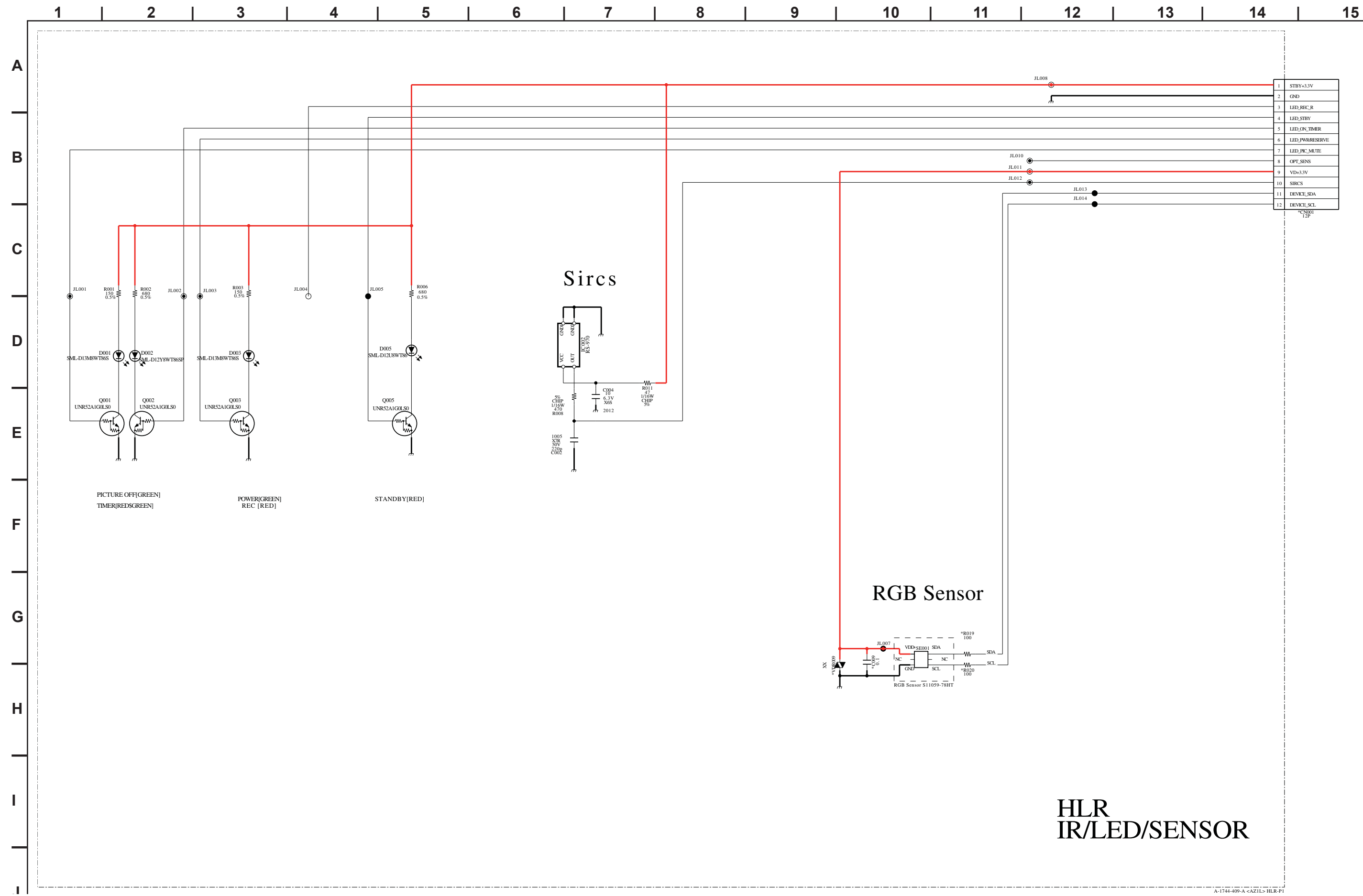
1-474-205-11 <AZ1K> GD2-P2







HLR BOARD SCHEMATIC DIAGRAM

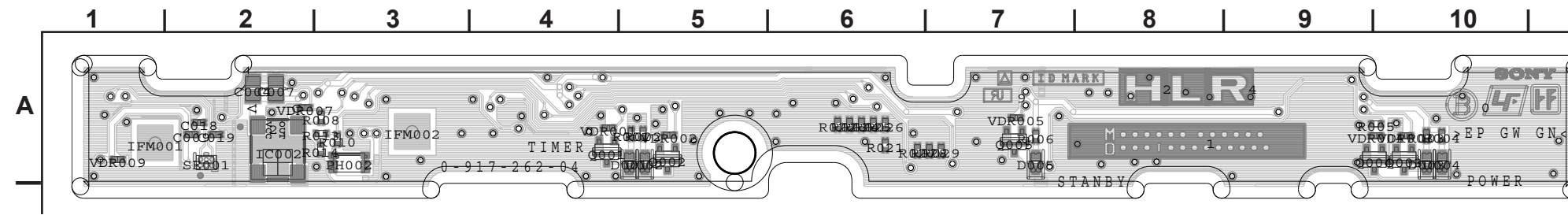


HLR  
IR/LED/SENSOR



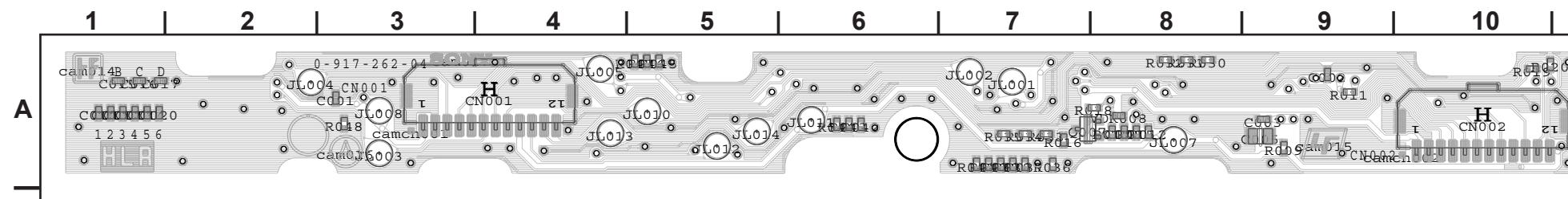
[IR/LED/SENSOR]

### COMPONENT SIDE




[IR/LED/SENSOR]

## CONDUCTOR SIDE



## SECTION 2: ELECTRICAL PARTS LIST


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

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

## RESISTORS

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

**BAL**

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.

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

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
<div>BAL</div>						C1094	1-114-813-11	CERAMIC CHIP	1μF	10%	16V
						C1095	1-164-866-11	CERAMIC CHIP	47pF	5%	50V
						C1097	1-112-781-11	CERAMIC CHIP	1μF	10%	10V
<div><div><div></div><div>A-1761-435-A</div><div>BAL BOARD, COMPLETE</div><div>(KDL-32EX305/32EX306 ONLY)</div></div></div>						C1099	1-114-813-11	CERAMIC CHIP	1μF	10%	16V
<div><div><div></div><div>A-1761-434-A</div><div>BAL BOARD, COMPLETE</div><div>(KDL-32EX405/40EX405/40EX406/46EX405 ONLY)</div></div></div>						C1100	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
						C1101	1-114-813-11	CERAMIC CHIP	1μF	10%	16V
						C1102	1-164-866-11	CERAMIC CHIP	47pF	5%	50V
						C1110	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
NOTE: For BAL Board replacement, please refer to section 2-2. Adjustments After Replacing the BAL Board or LCD Panel in the Service Manual.						C1111	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
NOTE: Final software is not installed on this BAL Board. Install the update after replacing this board using the instructions provided with the software.						C1112	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
<div>CAPACITOR</div>						C2061	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)	
C1002	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C2067	1-112-781-11	CERAMIC CHIP	1μF	10%	10V
C1007	1-112-778-11	CERAMIC CHIP	0.022μF	10%	25V	C2068	1-112-781-11	CERAMIC CHIP	1μF	10%	10V
C1011	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	C2200	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C1017	1-112-775-11	CERAMIC CHIP	0.0022μF	10%	50V	C2201	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C1019	1-114-326-11	CERAMIC CHIP	0.22μF	10%	25V	C2208	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1022	1-114-331-11	CERAMIC CHIP	4.7μF	10%	10V	C2210	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C1024	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C2211	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1025	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C2216	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1026	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C2217	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C1027	1-114-331-11	CERAMIC CHIP	4.7μF	10%	10V	C2218	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1028	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C2220	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1030	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C2224	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C1031	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V	C2226	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1038	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C2227	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1039	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C2228	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C1040	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C2273	1-164-862-11	CERAMIC CHIP	33pF	5%	50V
C1046	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V	C2274	1-164-862-11	CERAMIC CHIP	33pF	5%	50V
C1047	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C2275	1-164-862-11	CERAMIC CHIP	33pF	5%	50V
C1048	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C2276	1-164-862-11	CERAMIC CHIP	33pF	5%	50V
C1070	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C2277	1-164-862-11	CERAMIC CHIP	33pF	5%	50V
C1071	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C2300	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)	
C1093	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C2301	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)	



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2302	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3009	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C2303	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3012	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C2304	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3016	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2306	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3017	1-114-331-11	CERAMIC CHIP	4.7μF	10%	10V
C2307	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C3700	1-116-400-11	CERAMIC CHIP	680pF	10%	50V
C2308	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3701	1-116-400-11	CERAMIC CHIP	680pF	10%	50V
C2402	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C3702	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V
C2406	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3703	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V
C2407	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3704	1-114-870-11	CERAMIC CHIP	4.7μF	10%	16V
C2408	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3707	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2409	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3708	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2412	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C3709	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2415	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3711	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C2416	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3712	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C2417	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C3713	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2426	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C3714	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V
C2435	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V	C3715	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2437	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3716	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2441	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V	C3717	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2442	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V	C3718	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2560	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C3719	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2561	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C3720	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C2567	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C3721	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2568	1-114-331-11	CERAMIC CHIP	4.7μF	10%	10V	C3722	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2572	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C3723	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C2617	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C3725	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C2618	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C3726	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C2620	1-164-874-11	CERAMIC CHIP	100pF	5%	50V	C3728	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C2622	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3729	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2625	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C3731	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2801	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)		C3733	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V
C2808	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)		C3735	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V
C2809	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)		C3738	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2814	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3739	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2815	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3751	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2816	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)		C3752	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V
C2819	1-114-365-11	CAP, CERAMIC	1000pF	X7R (1410)		C3754	1-112-064-11	CERAMIC CHIP	2.2μF	10%	10V
C2823	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3757	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2824	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3758	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V
C2835	1-218-965-11	METAL CHIP	10K	5%	1/16W	C3759	1-163-227-11	CERAMIC CHIP	10pF	0.50pF	50V
C2840	1-218-965-11	METAL CHIP	10K	5%	1/16W	C3760	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2843	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3761	1-114-553-11	CERAMIC CHIP	10μF	10%	16V
C2844	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C3800	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C3001	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C3804	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C3002	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C3807	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V




REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C4024	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C4509	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V
C4102	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C4510	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4103	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C4511	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4104	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C4512	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4106	1-114-870-11	CERAMIC CHIP	4.7μF	10%	16V	C4513	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4108	1-116-079-11	CERAMIC CHIP	10μF	10%	10V	C4514	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4109	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C4515	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4110	1-112-781-11	CERAMIC CHIP	1μF	10%	10V	C4516	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4111	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C4517	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4112	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C4518	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4113	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4519	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4200	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V	C4520	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4201	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4521	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4203	1-114-331-11	CERAMIC CHIP	4.7μF	10%	10V	C4522	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V
C4204	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C4535	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4205	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C5004	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V
C4207	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C5009	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C4208	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5011	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C4209	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5013	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4211	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5014	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4212	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5015	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4213	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5018	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4214	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5020	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4216	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C5023	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4217	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C5024	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4218	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5029	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4220	1-114-329-11	CERAMIC CHIP	0.47μF	10%	50V	C5030	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4221	1-114-329-11	CERAMIC CHIP	0.47μF	10%	50V	C5032	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4223	1-114-329-11	CERAMIC CHIP	0.47μF	10%	50V	C5036	1-164-848-11	CERAMIC CHIP	8pF	0.50pF	50V
C4224	1-114-329-11	CERAMIC CHIP	0.47μF	10%	50V	C5037	1-164-848-11	CERAMIC CHIP	8pF	0.50pF	50V
C4225	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	C5038	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4226	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	C5041	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C4227	1-112-775-11	CERAMIC CHIP	0.0022μF	10%	50V	C5042	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V
C4228	1-100-912-11	CERAMIC CHIP	1μF	10%	25V	C5048	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C4229	1-114-868-11	CERAMIC CHIP	0.1μF	10%	50V	C5051	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4230	1-112-779-11	CERAMIC CHIP	0.047μF	10%	25V	C5061	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V
C4231	1-112-779-11	CERAMIC CHIP	0.047μF	10%	25V	C9001	1-164-844-11	CERAMIC CHIP	4pF	0.25pF	50V
C4234	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	C9002	1-164-844-11	CERAMIC CHIP	4pF	0.25pF	50V
C4235	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	C9003	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4236	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	C9301	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C4237	1-112-776-11	CERAMIC CHIP	0.0047μF	10%	50V	C9303	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V
C4238	1-114-553-11	CERAMIC CHIP	10μF	10%	16V	C9304	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C4239	1-114-553-11	CERAMIC CHIP	10μF	10%	16V	C9306	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V
C4507	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V	C9312	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V
C4508	1-114-332-11	CERAMIC CHIP	22μF	10%	6.3V	C9313	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V







REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C9315	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C9613	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9316	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V	C9614	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9408	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9615	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9409	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9616	1-114-329-11	CERAMIC CHIP	0.47μF	10%	50V
C9410	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9618	1-114-329-11	CERAMIC CHIP	0.47μF	10%	50V
C9411	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V	C9620	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9412	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9622	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9414	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9623	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9415	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9624	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9416	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V	C9625	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9417	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9626	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9418	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V	C9627	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9419	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9628	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9420	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9630	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9421	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9632	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9423	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9634	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9429	1-114-130-11	CERAMIC CHIP	1μF	10%	6.3V	C9635	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9433	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9636	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9435	1-100-905-11	CERAMIC CHIP	0.001μF	10%	50V	C9637	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9436	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9638	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9463	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9639	1-112-779-11	CERAMIC CHIP	0.047μF	10%	25V
C9464	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V	C9640	1-112-779-11	CERAMIC CHIP	0.047μF	10%	25V
C9466	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9641	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C9467	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9642	1-164-874-11	CERAMIC CHIP	100pF	5%	50V
C9468	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V	C9643	1-164-878-11	CERAMIC CHIP	150pF	5%	50V
C9475	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9644	1-164-878-11	CERAMIC CHIP	150pF	5%	50V
C9477	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9645	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9481	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9646	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9485	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9647	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9487	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9648	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9488	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9651	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9489	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9652	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9490	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9653	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9491	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9654	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9492	1-164-850-11	CERAMIC CHIP	10pF	0.50pF	50V	C9655	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9493	1-114-869-11	CERAMIC CHIP	2.2μF	10%	6.3V	C9656	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9494	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V	C9657	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9498	1-164-862-11	CERAMIC CHIP	33pF	5%	50V	C9660	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9604	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C9666	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9606	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C9731	1-112-777-11	CERAMIC CHIP	0.01μF	10%	25V
C9607	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C9800	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9608	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C9801	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V
C9609	1-112-780-11	CERAMIC CHIP	0.47μF	10%	16V	C9802	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9610	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V	C9806	1-100-916-11	CERAMIC CHIP	0.1μF	10%	16V
C9611	1-112-780-11	CERAMIC CHIP	0.47μF	10%	16V	C9813	1-100-909-11	CERAMIC CHIP	10μF	10%	6.3V



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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
C9814	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	<b>FUSE</b>			
C9820	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	F1003	1-576-406-31	FUSE	1.4A 32V
C9822	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	F1006	1-576-646-31	FUSE	0.5A 50V
C9823	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	 F4200	1-576-933-31	FUSE	5A 24V
C9825	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	<b>FERRITE BEAD</b>			
C9902	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	FB1001	1-481-199-21	FERRITE	0μH
C9903	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	FB1005	1-481-199-21	FERRITE	0μH
C9904	1-112-777-11	CERAMIC CHIP	0.01μF 10% 25V	FB1007	1-481-199-21	FERRITE	0μH
C9906	1-114-130-11	CERAMIC CHIP	1μF 10% 6.3V	FB1010	1-481-199-21	FERRITE	0μH
C9907	1-112-777-11	CERAMIC CHIP	0.01μF 10% 25V	FB1011	1-481-517-11	FERRITE	0μH
C9908	1-114-869-11	CERAMIC CHIP	2.2μF 10% 6.3V	FB1012	1-481-199-21	FERRITE	0μH
C9911	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	FB1013	1-400-693-21	FERRITE	0μH
C9912	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	FB1017	1-481-199-21	FERRITE	0μH
C9914	1-100-909-11	CERAMIC CHIP	10μF 10% 6.3V	FB1018	1-481-199-21	FERRITE	0μH
C9915	1-100-916-11	CERAMIC CHIP	0.1μF 10% 16V	FB2401	1-481-517-11	FERRITE	0μH
C9916	1-100-909-11	CERAMIC CHIP	10μF 10% 6.3V	FB2404	1-481-517-11	FERRITE	0μH
<b>CONNECTOR</b>				FB2602	1-481-517-11	FERRITE	0μH
* CN2260	1-822-482-11	HDMI CONNECTOR		FB4200	1-400-834-11	FERRITE	0μH
* CN2261	1-822-482-11	HDMI CONNECTOR		 FB4201	1-400-834-11	FERRITE	0μH
* CN2263	1-822-484-11	HDMI CONNECTOR		FB4202	1-400-834-11	FERRITE	0μH
* CN2264	1-822-484-11	HDMI CONNECTOR		FB9600	1-400-462-21	FERRITE	0μH
* CN2302	1-821-827-21	D SUB CONNECTOR		FB9605	1-400-462-21	FERRITE	0μH
* CN2400	1-821-868-11	ETHERNET CONNECTOR	(8P)	FB9730	1-481-517-11	FERRITE	0μH
CN2401	1-821-834-12	USB CONNECTOR		FB9731	1-481-517-11	FERRITE	0μH
* CN2561	1-819-475-11	HEADER ASSEMBLY FOR PWB		<b>FILTER</b>			
CN2600	1-822-583-11	HEADER ASSEMBLY FOR PWB		FL2200	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
CN2602	1-820-162-11	HEADER ASSEMBLY	30P	<b>IC</b>			
CN4300	1-819-461-11	HEADER ASSEMBLY FOR PWB		IC1002	6-710-880-01	IC	S-1132B33-U5T1G
CN5500	1-779-936-51	CONNECTOR, FFC/FPC	18P	IC1006	6-709-510-01	IC	BH76106SHFV-TR
<b>DIODE</b>				IC1009	8-759-278-58	IC	NJM4558V-TE2
D1002	8-719-056-48	DIODE	1SS388(TPL3)	IC1011	6-711-947-01	IC	MM1431CURE
D1006	6-501-119-01	DIODE	RR264M-400	IC2300	6-710-820-01	IC	S-24CS02AFJ-TB-G
D2200	6-502-150-01	DIODE	MA2SD320G8S0	IC2301	6-708-132-01	IC	74LVC14APW
D2303	6-502-979-01	DIODE	DA4J104K0L	IC2400	6-715-016-01	IC	KSZ8041RNLTR
D4000	6-502-966-01	DIODE	DZ2J056M0L	IC2603	6-713-291-01	IC	MM3285CNRE
D4001	6-502-966-01	DIODE	DZ2J056M0L	IC3000	8-753-289-76	IC	CXA2241Q-T4
D4002	6-502-966-01	DIODE	DZ2J056M0L	 IC3700	6-713-863-01	IC	BD9540EFV-SE2
D4003	6-502-966-01	DIODE	DZ2J056M0L	 IC3702	6-709-512-01	IC	S-1132B18-M5T1G
D4004	6-502-966-01	DIODE	DZ2J056M0L	IC3705	6-711-237-01	IC	NJM2878F3-33 (TE2)
D4005	6-502-966-01	DIODE	DZ2J056M0L	IC4101	6-707-808-01	IC	WM8727GED/RV
D4006	6-502-966-01	DIODE	DZ2J056M0L	IC4102	8-759-278-58	IC	NJM4558V-TE2
D4007	6-502-966-01	DIODE	DZ2J056M0L	IC4104	6-711-947-01	IC	MM1431CURE
D5005	8-719-027-76	DIODE	1SS357-TPH3				

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**BAL**

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
IC4503	6-712-397-01	IC	74AHC1G08GW-125	L9601	1-469-556-21	INDUCTOR	15 $\mu$ H
IC5000	6-713-820-11	IC	MB91F313APMC-G-ERE1	L9602	1-469-556-21	INDUCTOR	15 $\mu$ H
IC5003	6-709-512-01	IC	S-1132B18-M5T1G	L9603	1-400-808-21	FERRITE	0 $\mu$ H
IC5008	6-704-573-01	IC	M24C32-WMN6T(B)	L9604	1-400-808-21	FERRITE	0 $\mu$ H
IC9000	6-714-973-01	IC	MC-10157F1-420-PN4-E1-A	L9606	1-400-808-21	FERRITE	0 $\mu$ H
IC9002	6-712-397-01	IC	74AHC1G08GW-125	L9607	1-400-808-21	FERRITE	0 $\mu$ H
IC9304	6-711-239-01	IC	NJM2878F3-18 (TE2)	L9608	1-400-808-21	FERRITE	0 $\mu$ H
IC9400	6-713-838-01	IC	EDE1116AEBG-8E-F-TR	L9609	1-400-808-21	FERRITE	0 $\mu$ H
IC9401	6-713-838-01	IC	EDE1116AEBG-8E-F-TR	L9610	1-400-808-21	FERRITE	0 $\mu$ H
<b>JACK</b>				L9612	1-400-808-21	FERRITE	0 $\mu$ H
J2300	1-822-528-11	JACK		L9613	1-400-808-21	FERRITE	0 $\mu$ H
J2301	1-822-524-21	PHONO JACK	2P	L9616	1-400-808-21	FERRITE	0 $\mu$ H
J2801	1-842-099-11	PIN JACK	5P	L9800	1-400-808-21	FERRITE	0 $\mu$ H
J2802	1-842-096-11	PHONO JACK	5P	L9801	1-400-808-21	FERRITE	0 $\mu$ H
<b>COIL</b>				L9802	1-400-808-21	FERRITE	0 $\mu$ H
L1002	1-400-791-21	INDUCTOR	10 $\mu$ H	L9900	1-481-521-11	INDUCTOR	1 $\mu$ H
L1004	1-457-725-21	INDUCTOR	4.7 $\mu$ H	L9901	1-400-808-21	FERRITE	0 $\mu$ H
L2200	1-457-539-11	INDUCTOR	0 $\mu$ H	L9902	1-400-808-21	FERRITE	0 $\mu$ H
L2201	1-457-539-11	INDUCTOR	0 $\mu$ H	L9903	1-400-808-21	FERRITE	0 $\mu$ H
L2260	1-457-539-11	INDUCTOR	0 $\mu$ H	L9904	1-400-808-21	FERRITE	0 $\mu$ H
L2261	1-457-539-11	INDUCTOR	0 $\mu$ H	<b>TRANSISTOR</b>			
L2264	1-457-539-11	INDUCTOR	0 $\mu$ H	Q1001	6-551-321-01	TRANSISTOR	RT3WLMM-TP-1F
L2265	1-457-539-11	INDUCTOR	0 $\mu$ H	Q2200	6-552-430-01	TRANSISTOR	DRC5114E0L
L2266	1-457-539-11	INDUCTOR	0 $\mu$ H	Q2201	6-552-408-01	TRANSISTOR	DSC500100L
L2267	1-457-539-11	INDUCTOR	0 $\mu$ H	Q3000	6-551-903-01	TRANSISTOR	RT3S02M-T111-1
L2268	1-457-539-11	INDUCTOR	0 $\mu$ H	Q3001	6-551-903-01	TRANSISTOR	RT3S02M-T111-1
L2269	1-457-539-11	INDUCTOR	0 $\mu$ H	$\triangle$ Q3700	6-552-212-01	TRANSISTOR	MP6K61FPFTR
L2400	1-457-223-11	INDUCTOR	0 $\mu$ H	Q3701	6-552-457-01	TRANSISTOR	RP1E100RNFPFTR
* L2560	1-457-685-11	INDUCTOR	0 $\mu$ H	Q3702	6-552-457-01	TRANSISTOR	RP1E100RNFPFTR
* L2561	1-457-685-11	INDUCTOR	0 $\mu$ H	Q3703	6-550-354-01	TRANSISTOR	RTQ035P02TR
* L2562	1-457-685-11	INDUCTOR	0 $\mu$ H	Q3704	6-552-430-01	TRANSISTOR	DRC5114E0L
* L2563	1-457-685-11	INDUCTOR	0 $\mu$ H	Q3800	6-551-690-01	TRANSISTOR	RT3N11M-TP-1
* L2564	1-457-685-11	INDUCTOR	0 $\mu$ H	Q4000	6-552-411-01	TRANSISTOR	DRA5114T0L
* L2565	1-457-685-11	INDUCTOR	0 $\mu$ H	Q4002	6-551-551-01	TRANSISTOR	RT3N77M-TP-1
L3000	1-469-557-21	INDUCTOR	22 $\mu$ H	Q4100	6-551-271-01	TRANSISTOR	RT3AMMM
L3700	1-457-730-11	INDUCTOR	2.2 $\mu$ H	Q4101	6-551-271-01	TRANSISTOR	RT3AMMM
L3701	1-457-864-11	INDUCTOR	1 $\mu$ H	Q4102	6-552-436-01	TRANSISTOR	DRC5123J0L
L3702	1-457-873-11	INDUCTOR	4.7 $\mu$ H	Q4103	6-551-691-01	TRANSISTOR	RT3P11M-TP-1
L3704	1-457-866-21	INDUCTOR	2.2 $\mu$ H	Q4104	6-551-690-01	TRANSISTOR	RT3N11M-TP-1
L4200	1-457-884-11	INDUCTOR	15 $\mu$ H	Q5003	6-552-431-01	TRANSISTOR	DRC5114T0L
L4201	1-457-884-11	INDUCTOR	15 $\mu$ H	Q5004	6-551-321-01	TRANSISTOR	RT3WLMM-TP-1F
L4202	1-457-884-11	INDUCTOR	15 $\mu$ H				
L4203	1-457-884-11	INDUCTOR	15 $\mu$ H				





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q5005	6-552-430-01	TRANSISTOR	DRC5114E0L			R1113	1-218-990-81	SHORT CHIP			
Q5008	6-552-411-01	TRANSISTOR	DRA5114T0L			R1114	1-218-990-81	SHORT CHIP			
Q5011	6-552-436-01	TRANSISTOR	DRC5123J0L			R1118	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
Q9300	6-552-430-01	TRANSISTOR	DRC5114E0L			R1119	1-218-965-11	METAL CHIP	10K	5%	1/16W
Q9305	6-552-430-01	TRANSISTOR	DRC5114E0L			R2060	1-211-990-11	METAL CHIP	75	0.50%	1/10W
Q9306	6-552-484-01	TRANSISTOR	RE1C002ZPFU7TL			R2221	1-218-970-11	METAL CHIP	27K	5%	1/16W
Q9601	6-552-407-01	TRANSISTOR	DSA500100L			R2230	1-218-929-11	METAL CHIP	10	5%	1/16W
Q9602	6-552-407-01	TRANSISTOR	DSA500100L			R2236	1-218-965-11	METAL CHIP	10K	5%	1/16W
	<b>RESISTOR</b>					R2237	1-218-953-11	METAL CHIP	1K	5%	1/16W
						R2240	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1003	1-218-941-81	METAL CHIP	100	5%	1/16W	R2242	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1004	1-218-937-11	METAL CHIP	47	5%	1/16W	R2243	1-218-945-11	METAL CHIP	220	5%	1/16W
R1005	1-218-937-11	METAL CHIP	47	5%	1/16W	R2244	1-218-939-11	METAL CHIP	68	5%	1/16W
R1006	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2260	1-218-929-11	METAL CHIP	10	5%	1/16W
R1012	1-218-941-81	METAL CHIP	100	5%	1/16W	R2261	1-218-929-11	METAL CHIP	10	5%	1/16W
R1013	1-218-937-11	METAL CHIP	47	5%	1/16W	R2269	1-218-929-11	METAL CHIP	10	5%	1/16W
R1014	1-218-937-11	METAL CHIP	47	5%	1/16W	R2272	1-218-929-11	METAL CHIP	10	5%	1/16W
R1015	1-218-937-11	METAL CHIP	47	5%	1/16W	R2285	1-218-941-81	METAL CHIP	100	5%	1/16W
R1017	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R2286	1-218-941-81	METAL CHIP	100	5%	1/16W
R1020	1-218-989-11	METAL CHIP	1M	5%	1/16W	R2287	1-218-941-81	METAL CHIP	100	5%	1/16W
R1022	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R2289	1-218-941-81	METAL CHIP	100	5%	1/16W
R1026	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R2300	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1027	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R2301	1-218-977-11	METAL CHIP	100K	5%	1/16W
R1029	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2405	1-245-567-81	METAL CHIP	49.9	0.50%	1/16W
R1030	1-218-989-11	METAL CHIP	1M	5%	1/16W	R2407	1-245-567-81	METAL CHIP	49.9	0.50%	1/16W
R1033	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R2410	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1041	1-218-958-11	METAL CHIP	2.7K	5%	1/16W	R2411	1-218-937-11	METAL CHIP	47	5%	1/16W
R1042	1-208-687-11	METAL CHIP	1.5K	0.50%	1/16W	R2413	1-250-271-81	METAL CHIP	6.49K	0.50%	1/16W
R1048	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2415	1-218-947-11	METAL CHIP	330	5%	1/16W
R1049	1-218-941-11	METAL CHIP	100	5%	1/16W	R2418	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1050	1-218-935-11	METAL CHIP	33	5%	1/16W	R2419	1-245-567-81	METAL CHIP	49.9	0.50%	1/16W
R1051	1-208-675-11	METAL CHIP	470	0.50%	1/16W	R2421	1-245-567-81	METAL CHIP	49.9	0.50%	1/16W
R1066	1-218-990-81	SHORT CHIP				R2423	1-218-970-11	METAL CHIP	27K	5%	1/16W
R1067	1-218-990-81	SHORT CHIP				R2424	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1084	1-218-941-81	METAL CHIP	100	5%	1/16W	R2425	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R1085	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R2428	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1086	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R2438	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1087	1-218-959-11	METAL CHIP	3.3K	5%	1/16W	R2500	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1088	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2505	1-218-953-11	METAL CHIP	1K	5%	1/16W
R1089	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R2507	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1091	1-218-977-11	METAL CHIP	100K	5%	1/16W	R2561	1-218-973-11	METAL CHIP	47K	5%	1/16W
R1092	1-218-941-81	METAL CHIP	100	5%	1/16W	R2565	1-218-941-81	METAL CHIP	100	5%	1/16W
R1096	1-218-990-81	SHORT CHIP				R2567	1-218-965-11	METAL CHIP	10K	5%	1/16W
R1110	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R2569	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R1112	1-218-965-11	METAL CHIP	10K	5%	1/16W	R2570	1-218-990-81	SHORT CHIP			



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2580	1-218-990-81	SHORT CHIP				R3808	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2595	1-218-965-11	METAL CHIP	10K	5%	1/16W	R4004	1-218-989-11	METAL CHIP	1M	5%	1/16W
R2596	1-208-935-11	METAL CHIP	100K	0.50%	1/16W	R4101	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R2597	1-208-923-11	METAL CHIP	33K	0.50%	1/16W	R4102	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R2607	1-208-927-11	METAL CHIP	47K	0.50%	1/16W	R4108	1-218-989-11	METAL CHIP	1M	5%	1/16W
R2628	1-218-990-81	SHORT CHIP				R4109	1-218-990-81	SHORT CHIP			
R2631	1-218-941-81	METAL CHIP	100	5%	1/16W	R4110	1-218-977-11	METAL CHIP	100K	5%	1/16W
R2635	1-218-965-11	METAL CHIP	10K	5%	1/16W	R4111	1-218-990-81	SHORT CHIP			
R2641	1-218-990-81	SHORT CHIP				R4113	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R2816	1-218-990-81	SHORT CHIP				R4114	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
R2822	1-218-990-81	SHORT CHIP				R4115	1-218-959-11	METAL CHIP	3.3K	5%	1/16W
R2833	1-218-990-81	SHORT CHIP				R4116	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2834	1-218-990-81	SHORT CHIP				R4201	1-208-713-11	METAL CHIP	18K	0.50%	1/16W
R2835	1-218-990-81	SHORT CHIP				R4202	1-218-953-11	METAL CHIP	1K	5%	1/16W
R2848	1-218-990-81	SHORT CHIP				R4205	1-218-949-11	METAL CHIP	470	5%	1/16W
R2894	1-218-990-81	SHORT CHIP				R4206	1-218-949-11	METAL CHIP	470	5%	1/16W
R2895	1-218-990-81	SHORT CHIP				R4207	1-218-969-11	METAL CHIP	22K	5%	1/16W
R2900	1-218-990-81	SHORT CHIP				R4212	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2910	1-218-990-81	SHORT CHIP				R4500	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3004	1-218-965-11	METAL CHIP	10K	5%	1/16W	R4503	1-218-937-11	METAL CHIP	47	5%	1/16W
R3005	1-218-941-81	METAL CHIP	100	5%	1/16W	R4514	1-218-990-81	SHORT CHIP			
R3007	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R4517	1-218-990-81	SHORT CHIP			
R3008	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R5003	1-208-931-11	METAL CHIP	68K	0.50%	1/16W
R3009	1-208-711-11	METAL CHIP	15K	0.50%	1/16W	R5004	1-208-703-11	METAL CHIP	6.8K	0.50%	1/16W
R3010	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R5007	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
R3024	1-218-941-81	METAL CHIP	100	5%	1/16W	R5009	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3700	1-218-965-11	METAL CHIP	10K	5%	1/16W	R5010	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3701	1-208-943-11	METAL CHIP	220K	0.50%	1/16W	R5019	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3702	1-208-709-11	METAL CHIP	12K	0.50%	1/16W	R5020	1-218-941-81	METAL CHIP	100	5%	1/16W
R3703	1-208-695-11	METAL CHIP	3.3K	0.50%	1/16W	R5021	1-218-949-11	METAL CHIP	470	5%	1/16W
R3704	1-208-699-11	METAL CHIP	4.7K	0.50%	1/16W	R5025	1-218-937-11	METAL CHIP	47	5%	1/16W
R3705	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R5030	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3706	1-218-977-11	METAL CHIP	100K	5%	1/16W	R5031	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3707	1-218-973-11	METAL CHIP	47K	5%	1/16W	R5033	1-208-923-11	METAL CHIP	33K	0.50%	1/16W
R3713	1-218-961-11	METAL CHIP	4.7K	5%	1/16W	R5035	1-245-604-11	METAL CHIP	10M	5%	1/16W
R3714	1-218-953-11	METAL CHIP	1K	5%	1/16W	R5037	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3719	1-208-715-11	METAL CHIP	22K	0.50%	1/16W	R5039	1-208-943-11	METAL CHIP	220K	0.50%	1/16W
R3721	1-208-871-81	METAL CHIP	220	0.50%	1/16W	R5045	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3722	1-208-931-11	METAL CHIP	68K	0.50%	1/16W	R5050	1-208-927-11	METAL CHIP	47K	0.50%	1/16W
R3723	1-208-905-11	METAL CHIP	5.6K	0.50%	1/16W	R5052	1-208-691-11	METAL CHIP	2.2K	0.50%	1/16W
R3727	1-208-923-11	METAL CHIP	33K	0.50%	1/16W	R5054	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3728	1-208-683-11	METAL CHIP	1K	0.50%	1/16W	R5058	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3740	1-218-973-11	METAL CHIP	47K	5%	1/16W	R5063	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3741	1-208-695-11	METAL CHIP	3.3K	0.50%	1/16W	R5067	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3742	1-208-699-11	METAL CHIP	4.7K	0.50%	1/16W	R5070	1-218-990-81	SHORT CHIP			



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5071	1-218-990-81	SHORT CHIP				R9480	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R5079	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9482	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R5080	1-218-969-11	METAL CHIP	22K	5%	1/16W	R9483	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R5105	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9485	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5115	1-208-943-11	METAL CHIP	220K	0.50%	1/16W	R9486	1-208-709-11	METAL CHIP	12K	0.50%	1/16W
R5117	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9600	1-208-635-11	METAL CHIP	10	0.50%	1/16W
R5119	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9601	1-208-635-11	METAL CHIP	10	0.50%	1/16W
R5120	1-208-943-11	METAL CHIP	220K	0.50%	1/16W	R9602	1-208-635-11	METAL CHIP	10	0.50%	1/16W
R5122	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9603	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R5124	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9604	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R5126	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9605	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R5131	1-218-941-81	METAL CHIP	100	5%	1/16W	R9606	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R5132	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9607	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R5133	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9608	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R5134	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9613	1-218-949-11	METAL CHIP	470	5%	1/16W
R9003	1-218-957-11	METAL CHIP	2.2K	5%	1/16W	R9618	1-208-643-11	METAL CHIP	22	0.50%	1/16W
R9005	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9619	1-208-635-11	METAL CHIP	10	0.50%	1/16W
R9006	1-208-883-81	METAL CHIP	680	0.50%	1/16W	R9620	1-208-635-11	METAL CHIP	10	0.50%	1/16W
R9007	1-218-937-11	METAL CHIP	47	5%	1/16W	R9624	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R9025	1-218-939-11	METAL CHIP	68	5%	1/16W	R9625	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R9027	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9626	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R9056	1-218-937-11	METAL CHIP	47	5%	1/16W	R9627	1-208-643-11	METAL CHIP	22	0.50%	1/16W
R9073	1-218-941-81	METAL CHIP	100	5%	1/16W	R9628	1-208-635-11	METAL CHIP	10	0.50%	1/16W
R9120	1-218-937-11	METAL CHIP	47	5%	1/16W	R9629	1-208-635-11	METAL CHIP	10	0.50%	1/16W
R9304	1-218-949-11	METAL CHIP	470	5%	1/16W	R9633	1-211-990-11	METAL CHIP	75	0.50%	1/10W
R9308	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9634	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R9309	1-218-953-11	METAL CHIP	1K	5%	1/16W	R9635	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R9310	1-218-937-11	METAL CHIP	47	5%	1/16W	R9636	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R9312	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9637	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R9324	1-218-965-11	METAL CHIP	10K	5%	1/16W	R9638	1-218-829-11	METAL CHIP	180	0.50%	1/10W
R9403	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R9641	1-211-990-11	METAL CHIP	75	0.50%	1/10W
R9404	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R9642	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R9405	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9643	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R9447	1-218-935-11	METAL CHIP	33	5%	1/16W	R9646	1-208-711-11	METAL CHIP	15K	0.50%	1/16W
R9448	1-218-935-11	METAL CHIP	33	5%	1/16W	R9647	1-208-911-11	METAL CHIP	10K	0.50%	1/16W
R9449	1-218-935-11	METAL CHIP	33	5%	1/16W	R9648	1-208-883-81	METAL CHIP	680	0.50%	1/16W
R9450	1-218-935-11	METAL CHIP	33	5%	1/16W	R9649	1-218-941-81	METAL CHIP	100	5%	1/16W
R9459	1-218-933-11	METAL CHIP	22	5%	1/16W	R9650	1-218-941-81	METAL CHIP	100	5%	1/16W
R9468	1-218-933-11	METAL CHIP	22	5%	1/16W	R9651	1-218-945-11	METAL CHIP	220	5%	1/16W
R9469	1-218-933-11	METAL CHIP	22	5%	1/16W	R9652	1-218-945-11	METAL CHIP	220	5%	1/16W
R9470	1-218-933-11	METAL CHIP	22	5%	1/16W	R9654	1-218-947-11	METAL CHIP	330	5%	1/16W
R9471	1-218-933-11	METAL CHIP	22	5%	1/16W	R9655	1-218-947-11	METAL CHIP	330	5%	1/16W
R9477	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9658	1-218-990-81	SHORT CHIP			
R9478	1-208-663-11	METAL CHIP	150	0.50%	1/16W	R9678	1-218-935-11	METAL CHIP	33	5%	1/16W
R9479	1-208-911-11	METAL CHIP	10K	0.50%	1/16W	R9679	1-218-935-11	METAL CHIP	33	5%	1/16W



REF. NO.	PART NO.	DESCRIPTION	VALUES		REF. NO.	PART NO.	DESCRIPTION	VALUES
R9680	1-218-935-11	METAL CHIP	33	5% 1/16W	RB2412	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)
R9681	1-218-939-11	METAL CHIP	68	5% 1/16W	RB2414	1-234-372-11	RES, NETWORK 100	(1005X4)
R9730	1-208-688-11	METAL CHIP	1.6K	0.50% 1/16W	RB2560	1-234-369-21	RES, NETWORK 10	(1005X4)
R9731	1-220-884-11	METAL CHIP	39	0.50% 1/16W	RB2567	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)
R9732	1-220-884-11	METAL CHIP	39	0.50% 1/16W	RB2568	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)
R9903	1-208-893-11	METAL CHIP	1.8K	0.50% 1/16W	RB2605	1-234-378-21	RES, NETWORK 10K	(1005X4)
R9904	1-208-635-11	METAL CHIP	10	0.50% 1/16W	* RB2800	1-234-384-11	RES, NETWORK 1M	(1005X4)
R9906	1-218-941-11	METAL CHIP	100	5% 1/16W	RB2801	1-234-375-21	RES, NETWORK 1K	(1005X4)
R9908	1-208-671-11	METAL CHIP	330	0.50% 1/16W	* RB2802	1-234-384-11	RES, NETWORK 1M	(1005X4)
R9909	1-208-671-11	METAL CHIP	330	0.50% 1/16W	* RB2803	1-234-384-11	RES, NETWORK 1M	(1005X4)
R9912	1-208-671-11	METAL CHIP	330	0.50% 1/16W	RB2804	1-234-375-21	RES, NETWORK 1K	(1005X4)
R9913	1-208-671-11	METAL CHIP	330	0.50% 1/16W	* RB2805	1-234-384-11	RES, NETWORK 1M	(1005X4)
R9914	1-208-671-11	METAL CHIP	330	0.50% 1/16W	RB2806	1-234-375-21	RES, NETWORK 1K	(1005X4)
R9915	1-208-671-11	METAL CHIP	330	0.50% 1/16W	* RB2807	1-234-384-11	RES, NETWORK 1M	(1005X4)
R9916	1-208-671-11	METAL CHIP	330	0.50% 1/16W	RB3000	1-234-372-11	RES, NETWORK 100	(1005X4)
R9917	1-208-671-11	METAL CHIP	330	0.50% 1/16W	RB3001	1-234-372-11	RES, NETWORK 100	(1005X4)
<b>RESISTOR BRIDGE</b>					RB3003	1-234-372-11	RES, NETWORK 100	(1005X4)
* RB1000	1-234-710-21	RES, CHIP NETWORK	47X8 (3816)		RB3800	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB2060	1-234-384-11	RES, NETWORK 1M	(1005X4)		RB4100	1-234-372-11	RES, NETWORK 100	(1005X4)
RB2061	1-234-375-21	RES, NETWORK 1K	(1005X4)		RB4101	1-250-267-21	RES, NETWORK 33K	(1005X4)
RB2200	1-234-377-21	RES, NETWORK 4.7K	(1005X4)		RB4102	1-234-375-21	RES, NETWORK 1K	(1005X4)
RB2201	1-234-381-11	RES, NETWORK 100K	(1005X4)		RB4103	1-234-380-21	RES, NETWORK 47K	(1005X4)
RB2260	1-234-380-21	RES, NETWORK 47K	(1005X4)		RB4104	1-234-380-21	RES, NETWORK 47K	(1005X4)
RB2262	1-234-380-21	RES, NETWORK 47K	(1005X4)		RB4106	1-234-381-11	RES, NETWORK 100K	(1005X4)
RB2263	1-234-380-21	RES, NETWORK 47K	(1005X4)		RB4502	1-250-267-21	RES, NETWORK 33K	(1005X4)
RB2264	1-234-380-21	RES, NETWORK 47K	(1005X4)		RB4503	1-250-267-21	RES, NETWORK 33K	(1005X4)
RB2265	1-234-378-21	RES, NETWORK 10K	(1005X4)		RB4504	1-250-267-21	RES, NETWORK 33K	(1005X4)
RB2267	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		RB4505	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB2268	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		RB4506	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB2271	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		RB4507	1-234-379-21	RES, NETWORK 22K	(1005X4)
* RB2300	1-234-384-11	RES, NETWORK 1M	(1005X4)		RB4511	1-234-710-21	RES, CHIP NETWORK	47X8 (3816)
RB2302	1-234-376-11	RES, NETWORK 2.2K	(1005X4)		RB4517	1-234-371-21	RES, NETWORK 47	(1005X4)
RB2303	1-234-371-21	RES, NETWORK 47	(1005X4)		RB4518	1-234-379-21	RES, NETWORK 22K	(1005X4)
RB2304	1-234-370-21	RES, NETWORK 22	(1005X4)		RB4519	1-250-267-21	RES, NETWORK 33K	(1005X4)
RB2305	1-234-375-21	RES, NETWORK 1K	(1005X4)		RB5000	1-234-378-21	RES, NETWORK 10K	(1005X4)
* RB2306	1-234-384-11	RES, NETWORK 1M	(1005X4)		RB5001	1-234-376-11	RES, NETWORK 2.2K	(1005X4)
RB2400	1-234-371-21	RES, NETWORK 47	(1005X4)		RB5002	1-234-375-21	RES, NETWORK 1K	(1005X4)
RB2402	1-234-375-21	RES, NETWORK 1K	(1005X4)		RB5003	1-234-375-21	RES, NETWORK 1K	(1005X4)
RB2405	1-234-373-21	RES, NETWORK 220	(1005X4)		RB5004	1-234-372-11	RES, NETWORK 100	(1005X4)
RB2406	1-234-373-21	RES, NETWORK 220	(1005X4)		RB5007	1-234-372-11	RES, NETWORK 100	(1005X4)
RB2407	1-234-378-21	RES, NETWORK 10K	(1005X4)		RB5009	1-234-710-21	RES, CHIP NETWORK	47X8 (3816)
RB2411	1-234-400-21	CONDUCTOR, NETWORK	(1005X4)		RB5013	1-234-372-11	RES, NETWORK 100	(1005X4)
					RB5017	1-234-372-11	RES, NETWORK 100	(1005X4)
					RB5021	1-234-372-11	RES, NETWORK 100	(1005X4)
					RB5024	1-234-372-11	RES, NETWORK 100	(1005X4)

REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
RB5025	1-234-375-21	RES, NETWORK 1K	(1005X4)	RB9316	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5027	1-234-378-21	RES, NETWORK 10K	(1005X4)	RB9317	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5036	1-234-378-21	RES, NETWORK 10K	(1005X4)	RB9318	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5039	1-234-378-21	RES, NETWORK 10K	(1005X4)	RB9319	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5041	1-234-785-21	RES, CHIP NETWORK	100X8(3816)	RB9320	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5042	1-234-372-11	RES, NETWORK 100	(1005X4)	RB9400	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5043	1-234-785-21	RES, CHIP NETWORK	100X8(3816)	RB9401	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5044	1-234-372-11	RES, NETWORK 100	(1005X4)	RB9403	1-234-370-21	RES, NETWORK 22	(1005X4)
RB5045	1-234-372-11	RES, NETWORK 100	(1005X4)	RB9404	1-234-370-21	RES, NETWORK 22	(1005X4)
RB9002	1-234-376-11	RES, NETWORK 2.2K	(1005X4)	RB9405	1-234-370-21	RES, NETWORK 22	(1005X4)
RB9005	1-234-371-21	RES, NETWORK 47	(1005X4)	RB9900	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB9006	1-234-376-11	RES, NETWORK 2.2K	(1005X4)				
RB9007	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9008	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB9009	1-234-376-11	RES, NETWORK 2.2K	(1005X4)				
RB9010	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB9011	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9012	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9014	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9100	1-234-785-21	RES, CHIP NETWORK	100X8(3816)				
RB9102	1-234-372-11	RES, NETWORK 100	(1005X4)				
RB9103	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9104	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB9105	1-234-799-21	RES, CHIP NETWORK	10KX8 (3816)				
RB9202	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB9203	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB9204	1-234-799-21	RES, CHIP NETWORK	10KX8 (3816)				
RB9205	1-234-799-21	RES, CHIP NETWORK	10KX8 (3816)				
RB9206	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9207	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9208	1-234-710-21	RES, CHIP NETWORK	47X8 (3816)				
RB9214	1-234-799-21	RES, CHIP NETWORK	10KX8 (3816)				
RB9215	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9216	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9217	1-234-799-21	RES, CHIP NETWORK	10KX8 (3816)				
RB9218	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB9221	1-234-378-21	RES, NETWORK 10K	(1005X4)				
RB9302	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9303	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9304	1-234-371-21	RES, NETWORK 47	(1005X4)				
RB9309	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB9310	1-234-370-21	RES, NETWORK 22	(1005X4)				
RB9311	1-234-371-21	RES, NETWORK 47	(1005X4)				</

# G2HE G2LE GD2 HLR




REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b>G2HE</b>  1-474-202-21 G2HE BOARD, COMPLETE (KDL-40EX405/40EX406 ONLY) Component level repair information is not available.				<b>HLR</b>  A-1753-637-A HLR BOARD, MOUNTED  <u>CAPACITOR</u> C002 1-112-068-11 CERAMIC CHIP 220pF 10% 50V C004 1-100-909-11 CERAMIC CHIP 10μF 10% 6.3V C009 1-100-916-11 CERAMIC CHIP 0.1μF 10% 16V C018 1-164-874-11 CERAMIC CHIP 100pF 5% 50V C019 1-164-874-11 CERAMIC CHIP 100pF 5% 50V  <u>CONNECTOR</u> CN001 1-821-139-11 HEADER ASSEMBLY FOR PWB  <u>DIODE</u> * D001 6-502-294-01 DIODE SML-D13M8WT86S D002 6-502-196-01 DIODE SML-D12Y8WT86SP * D003 6-502-294-01 DIODE SML-D13M8WT86S D005 6-502-598-01 DIODE SML-D12U8WT86  <u>TRANSISTOR</u> Q001 6-552-430-01 TRANSISTOR DRC5114E0L Q002 6-552-430-01 TRANSISTOR DRC5114E0L Q003 6-552-430-01 TRANSISTOR DRC5114E0L Q005 6-552-430-01 TRANSISTOR DRC5114E0L  <u>RESISTOR</u> R001 1-208-861-81 METAL CHIP 82 0.50% 1/16W R002 1-208-671-11 METAL CHIP 330 0.50% 1/16W R003 1-208-861-81 METAL CHIP 82 0.50% 1/16W R006 1-208-677-11 METAL CHIP 560 0.50% 1/16W R008 1-218-941-81 METAL CHIP 100 5% 1/16W  R011 1-218-937-11 METAL CHIP 47 5% 1/16W R019 1-218-941-81 METAL CHIP 100 5% 1/16W R020 1-218-941-81 METAL CHIP 100 5% 1/16W			
<b>G2LE</b>  1-474-200-11 G2LE BOARD, COMPLETE (KDL-32EX305/32EX306/32EX405 ONLY) Component level repair information is not available.							
<b>GD2</b>  1-474-205-11 GD2 BOARD, COMPLETE (KDL-46EX405 ONLY) Component level repair information is not available.							



## 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**.