

Compal Confidential

Schematics Document

AUBURNDALE/CLARKSFIELD with
Intel IBEX PEAK-M core logic

Dior DIS

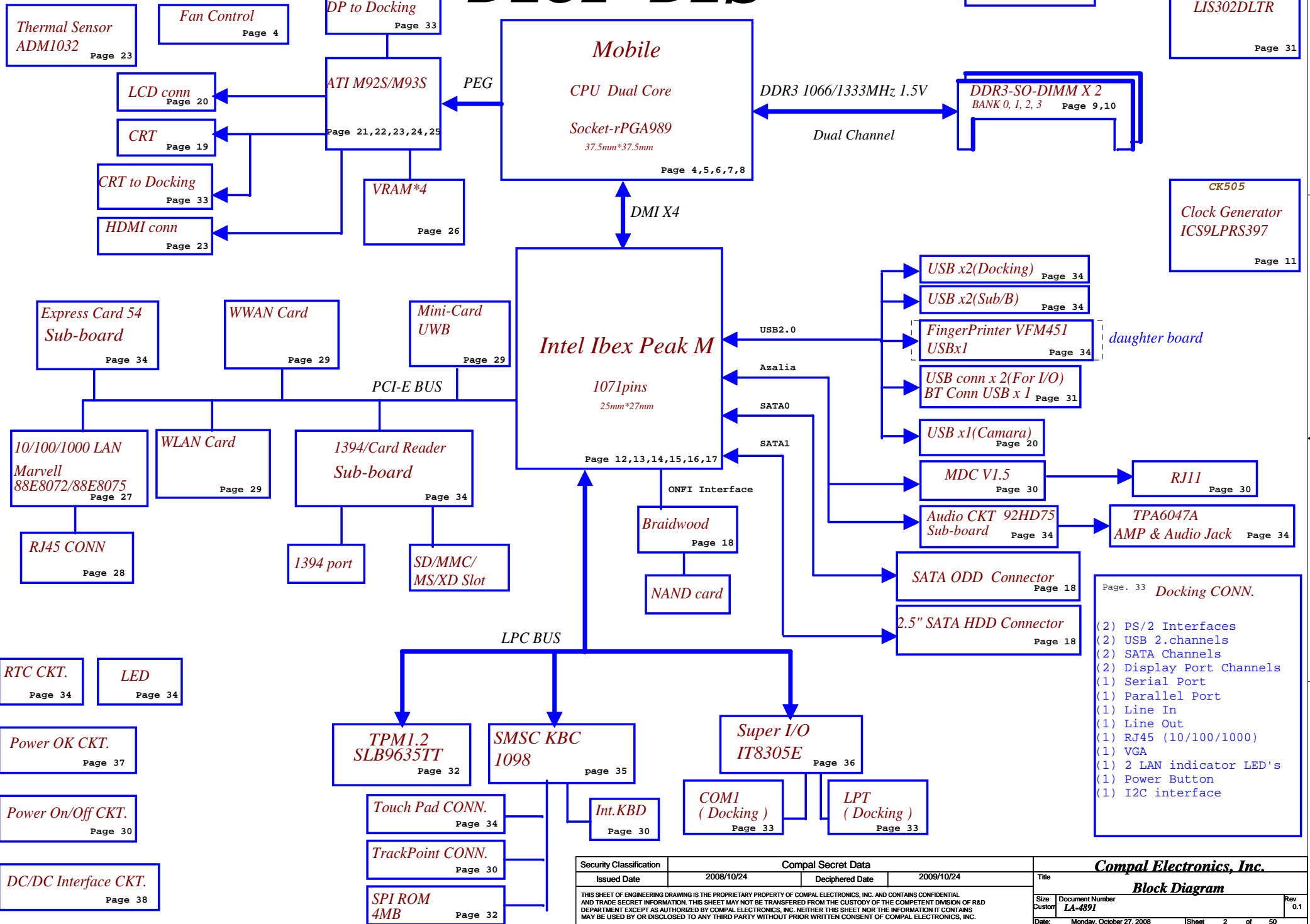
2008-10-30

REV:0.1

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	產出日期	
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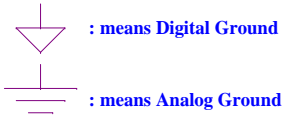
Dior DIS



Voltage Rails (O MEANS ON X MEANS OFF)

<div>power plane</div> <div>State</div>	+RTCVCC	+B +3VL	+5VALW +3VALW	+1.5V +0.75V	+5VS +3VS +1.5VS +NVVDD +VCCP +CPU_CORE +1.05VS +1.8VS
S0	O	O	O	O	O
S1	O	O	O	O	O
S3	O	O	O	O	X
S5 S4/AC	O	O	O	X	X
S5 S4/ Battery only	O	O	X	X	X
S5 S4/AC & Battery don't exist	O	X	X	X	X

Symbol Note :



Install below 43 level BOM structure for ver. 0.1

- DEBUG@ : means just build when PCIE port 80 CARD function enable. Remove before MP
- M92@ : Install for M92 Graphic controller
- 8072@ : Install for 8072 NIC controller
- 1098@ : Install for 1098 KBC controller
- CK32@ : Install for 32 pin CLOCK GEN

Install below 45 level BOM structure for ver. 0.1

- 45@ : means just put it in the BOM of 45 level.

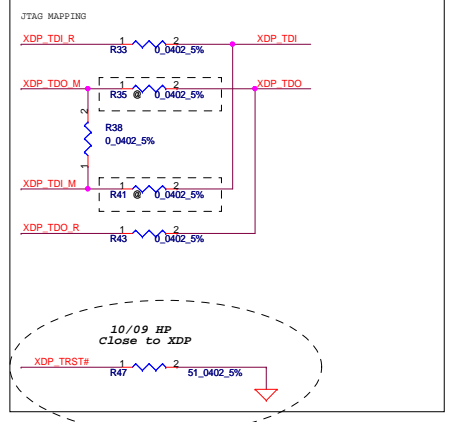
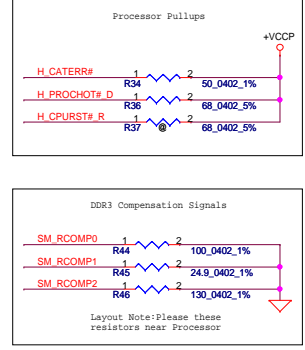
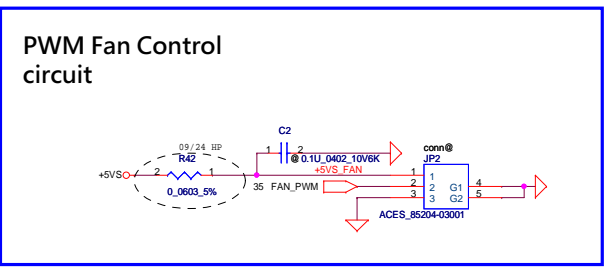
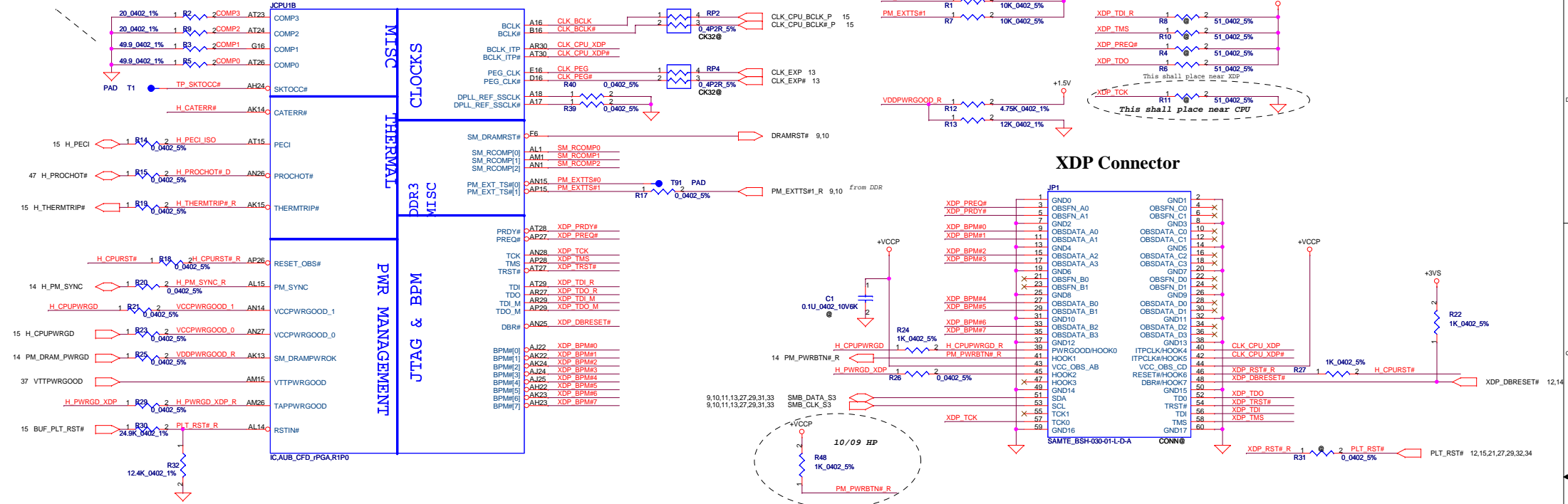
Reserve below BOM structure for ver. 0.1

- @ : means just reserve , no build
- CONN@ : means ME part.
- M93@ : Install for M93 Graphic controller
- 8075@ : Install for 8075 NIC controller
- 1091@ : Install for 1091 KBC controller
- CK72@ : Install for 72 pin CLOCK GEN

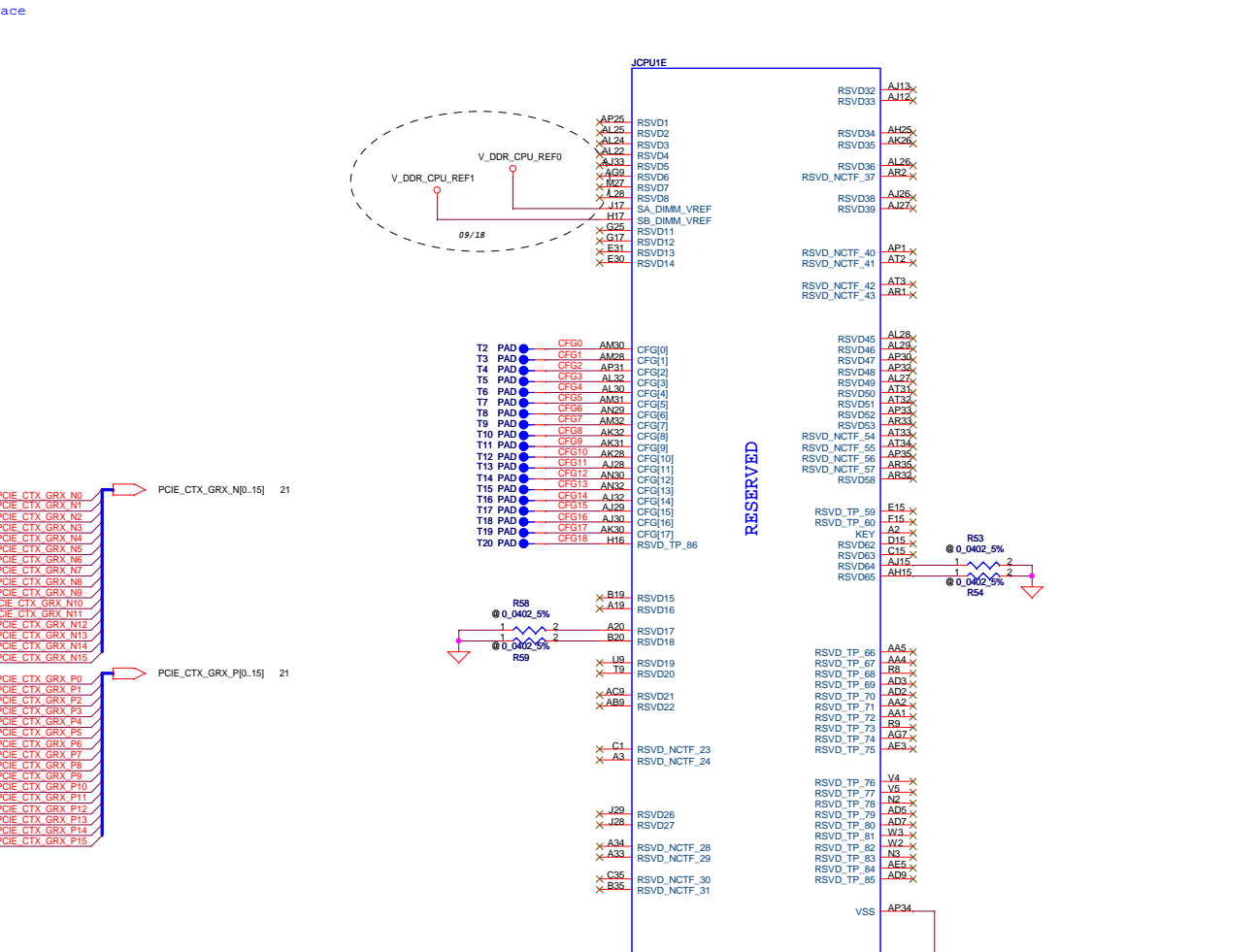
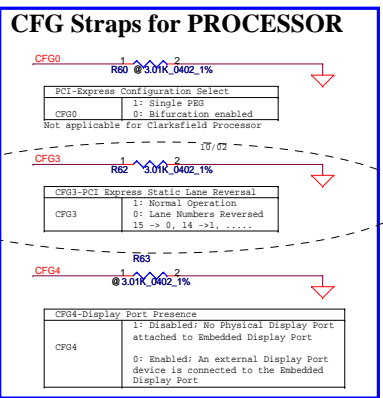
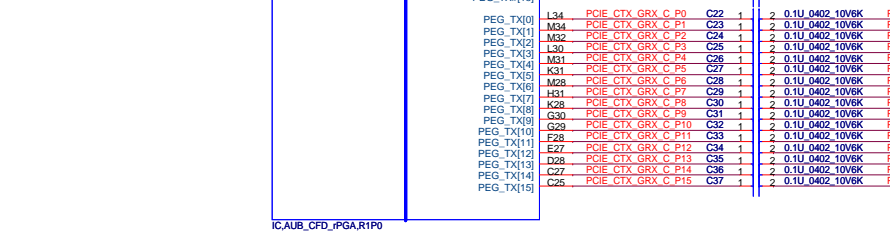
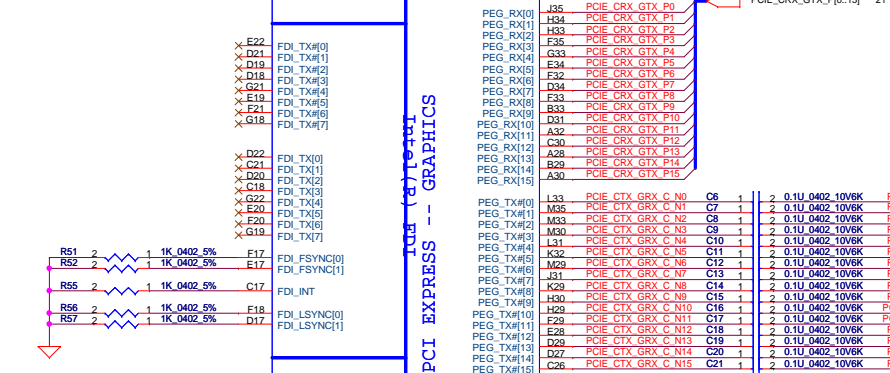
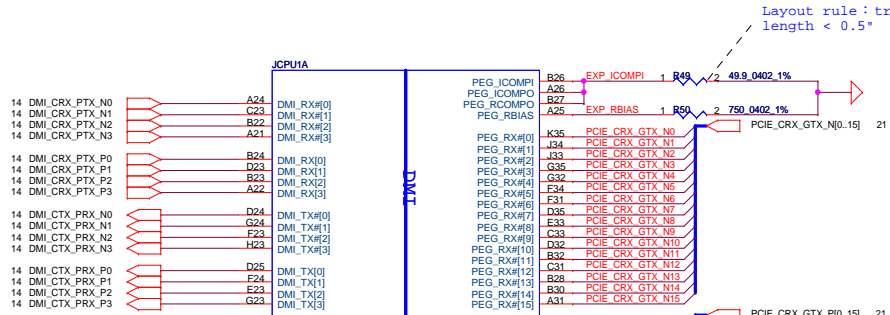
SMBUS Control Table

	SOURCE	BATT	XDP	SODIMM	CLK CHIP	MINI CARD	DOCK	NIC	THERMAL SENSOR	G-SENSOR
SMB_EC_CK1 SMB_EC_DAI	SMSC1098	V	X	X	X	X	X	X	X	X
SMBCLK SMBDATA	Calpella	X	V	V	V	V	V	V	X	V
SML0CLK SML0DATA	Calpella	X	X	X	X	X	X	X	X	X
SML1CLK SML1DATA	Calpella	X	X	X	X	X	X	X	V	X

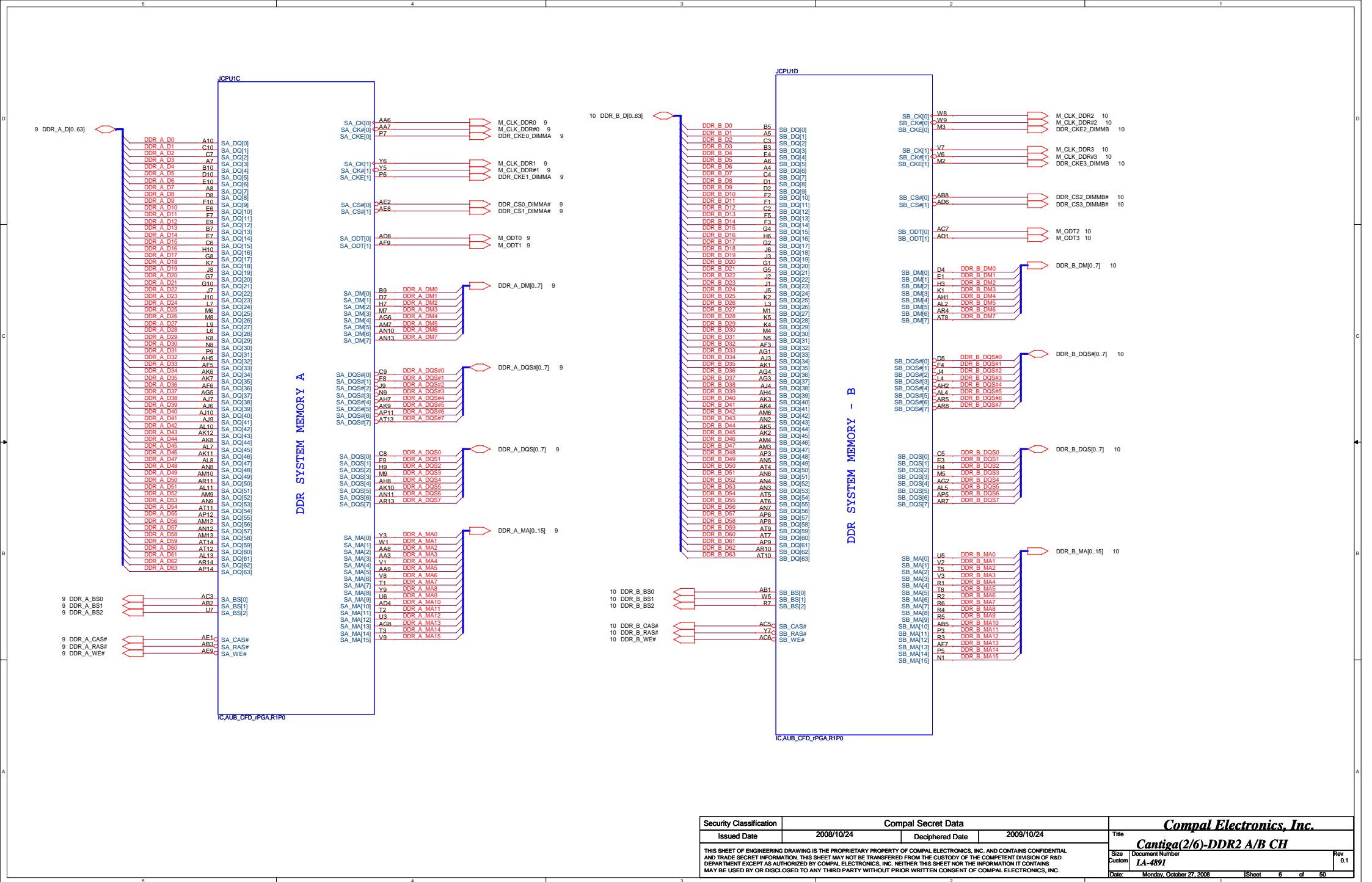
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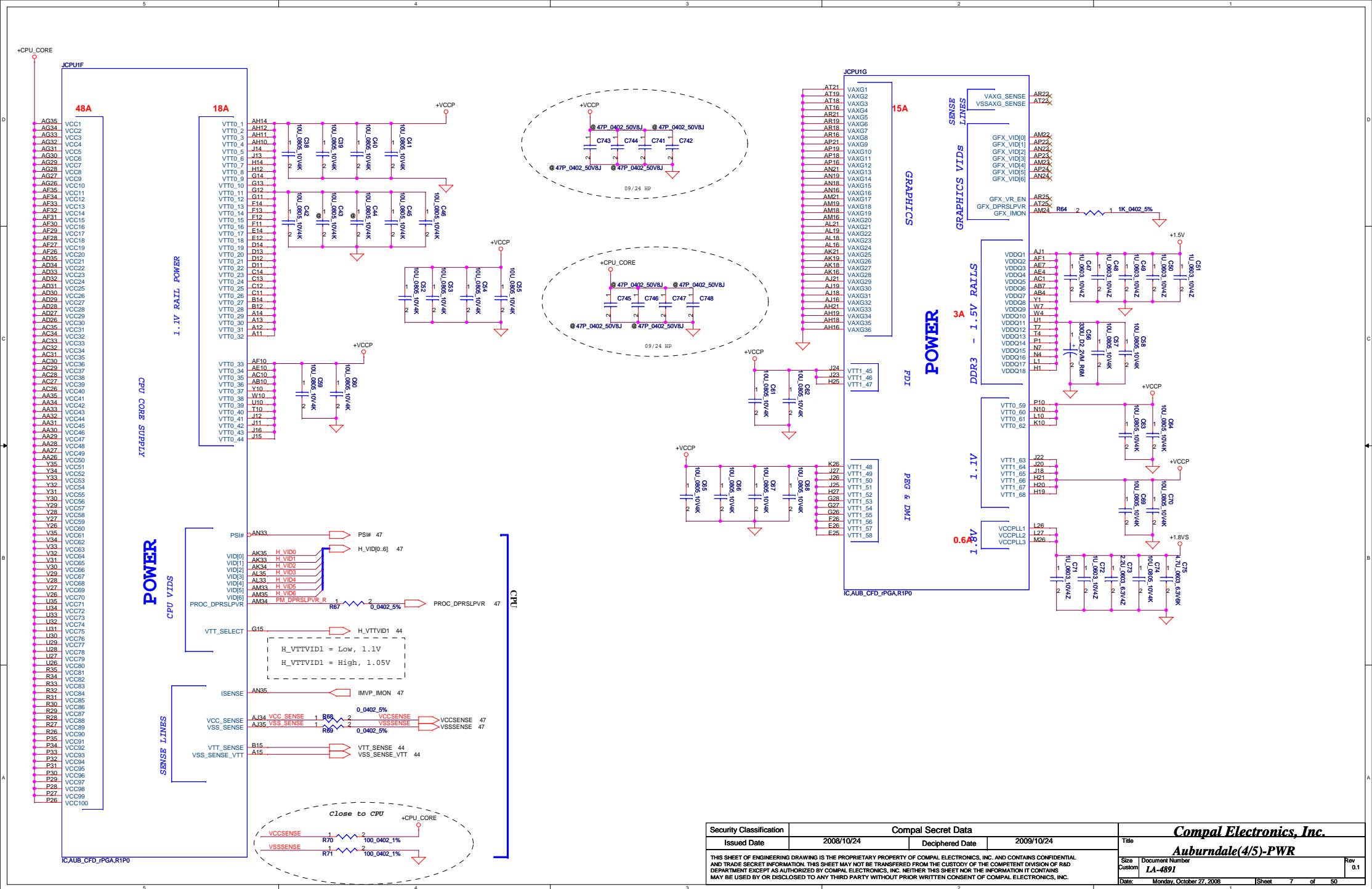


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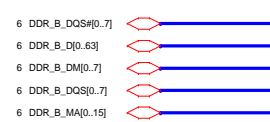


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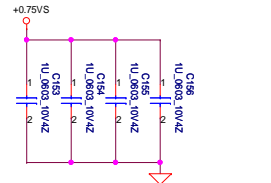




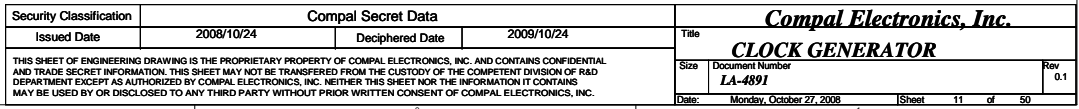
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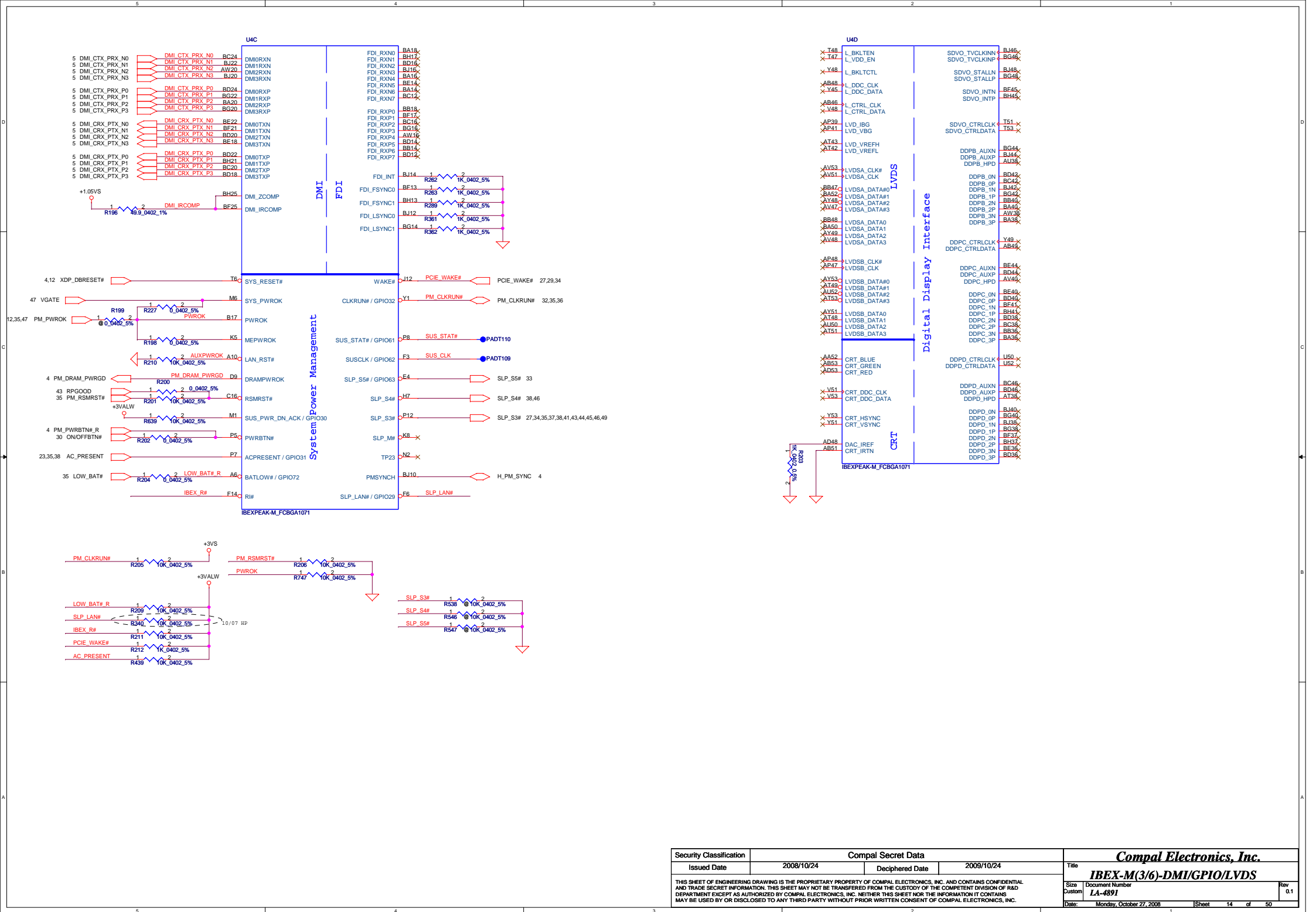


Layout Note:
Place near DIMM

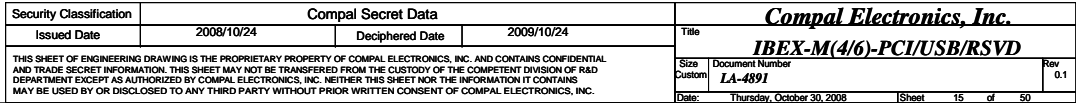


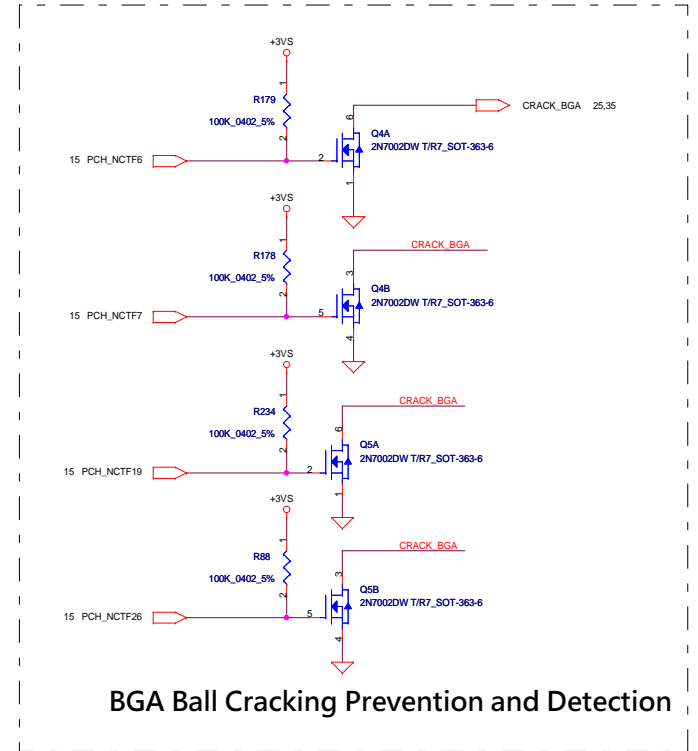
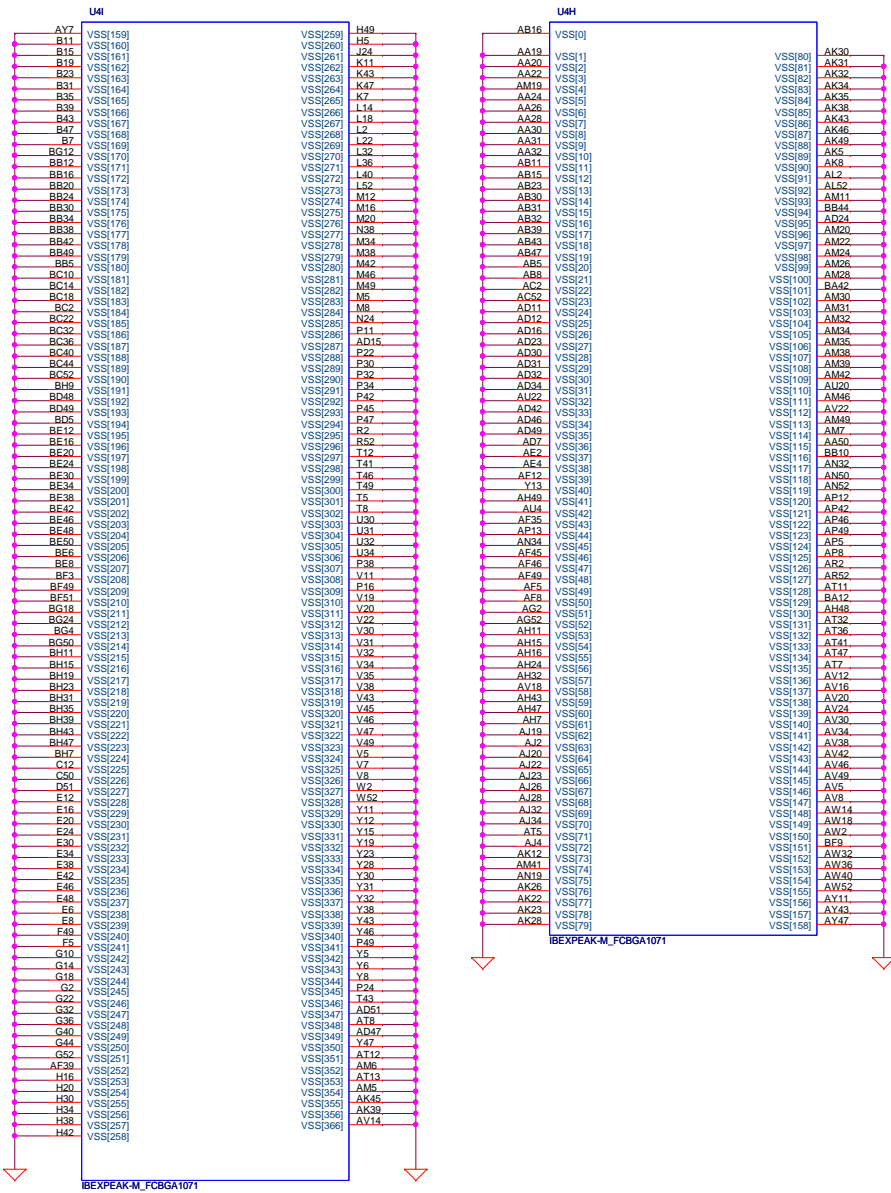
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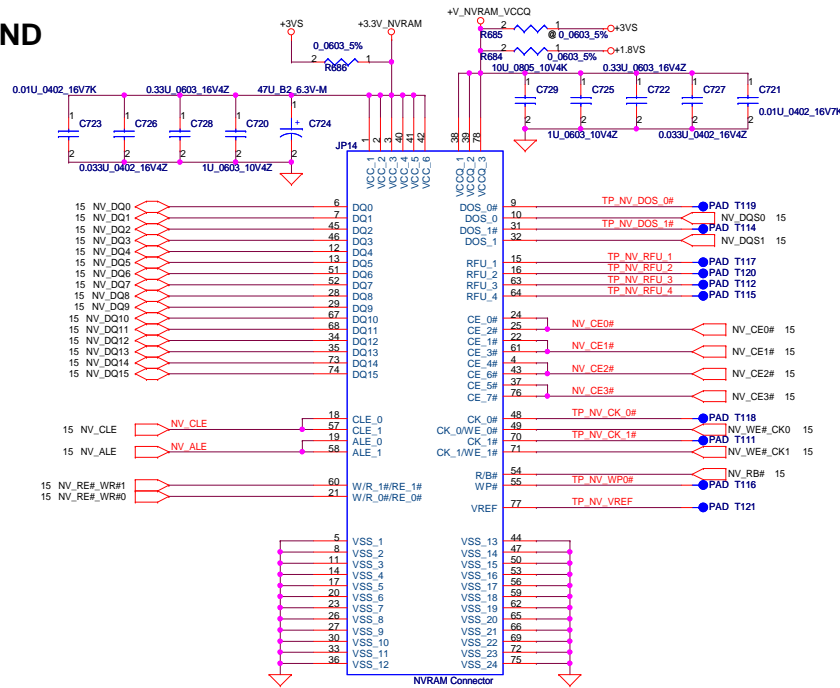
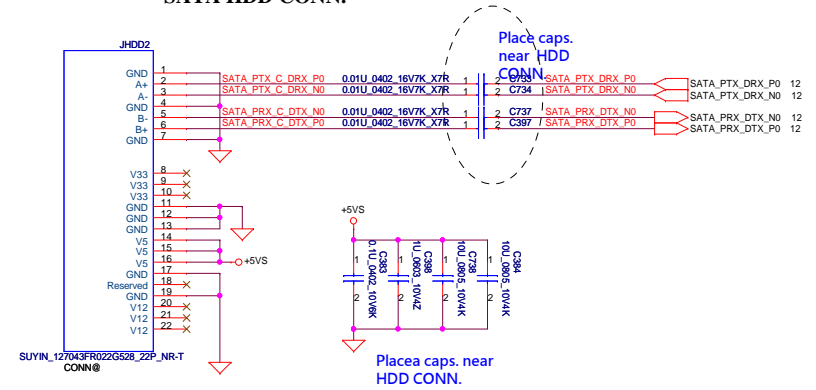
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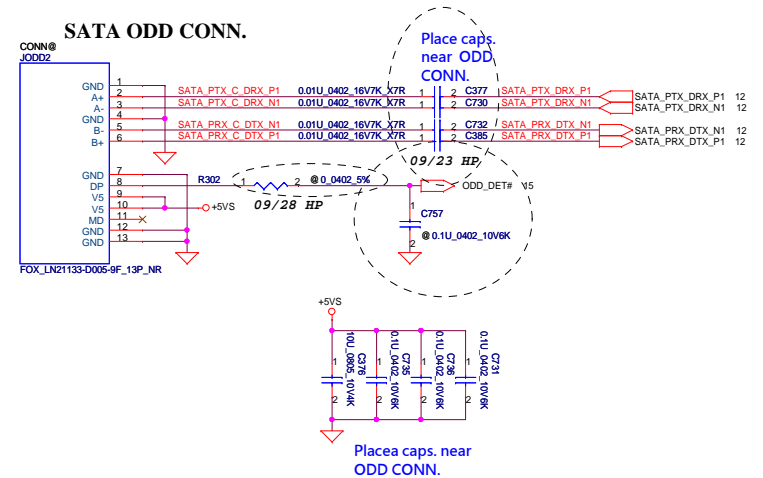


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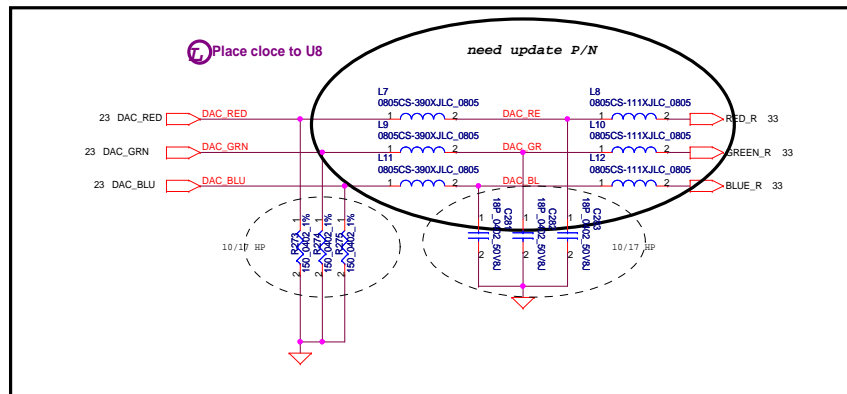
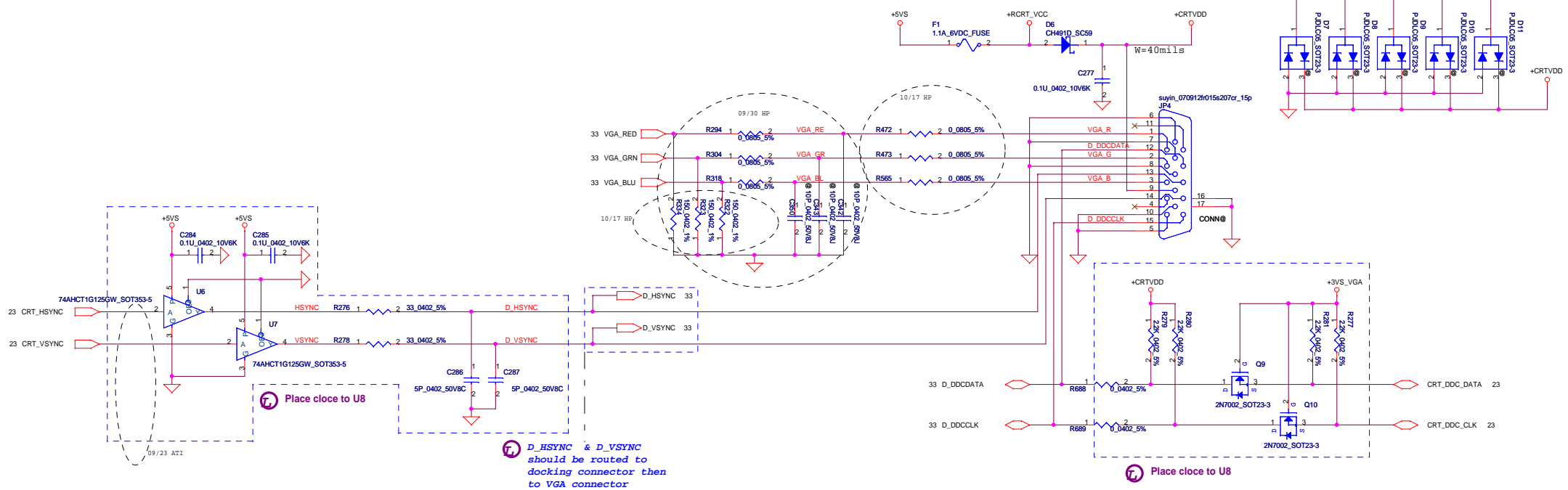
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SATA ODD CONN.



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CRT Connector



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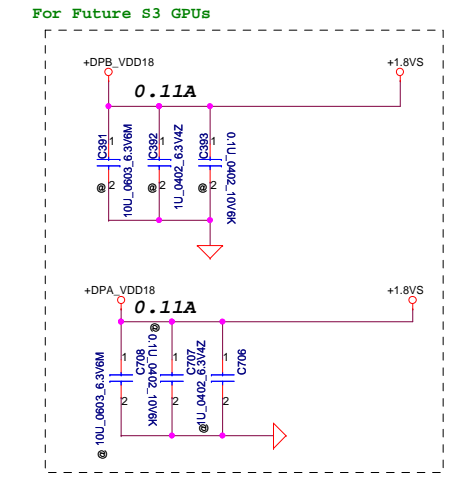
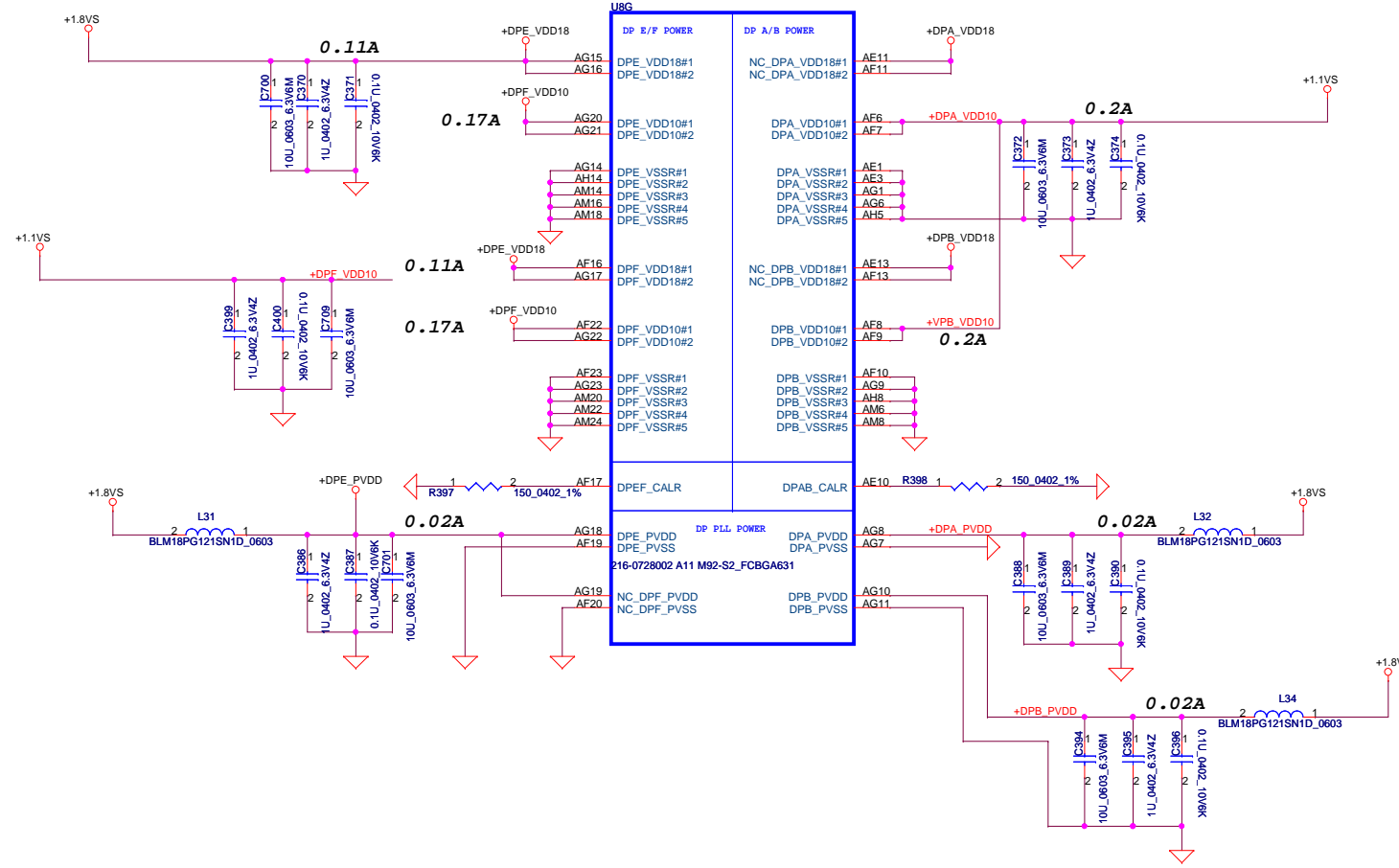
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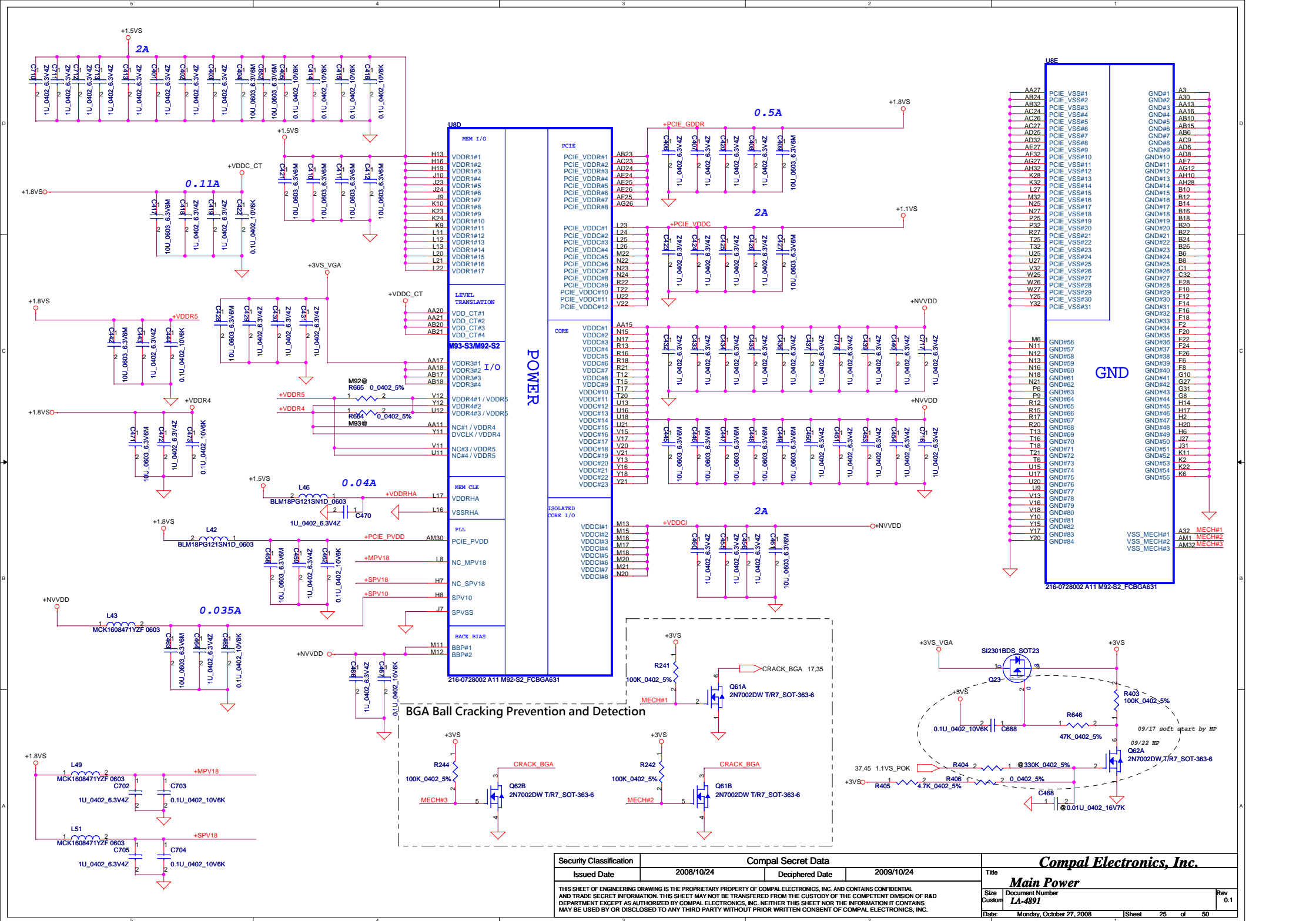
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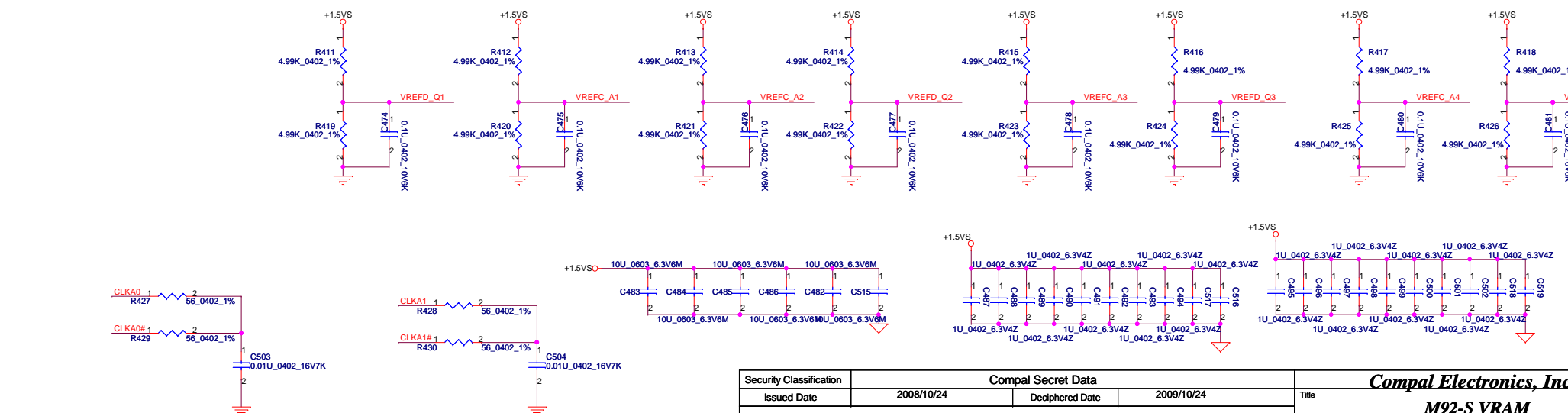
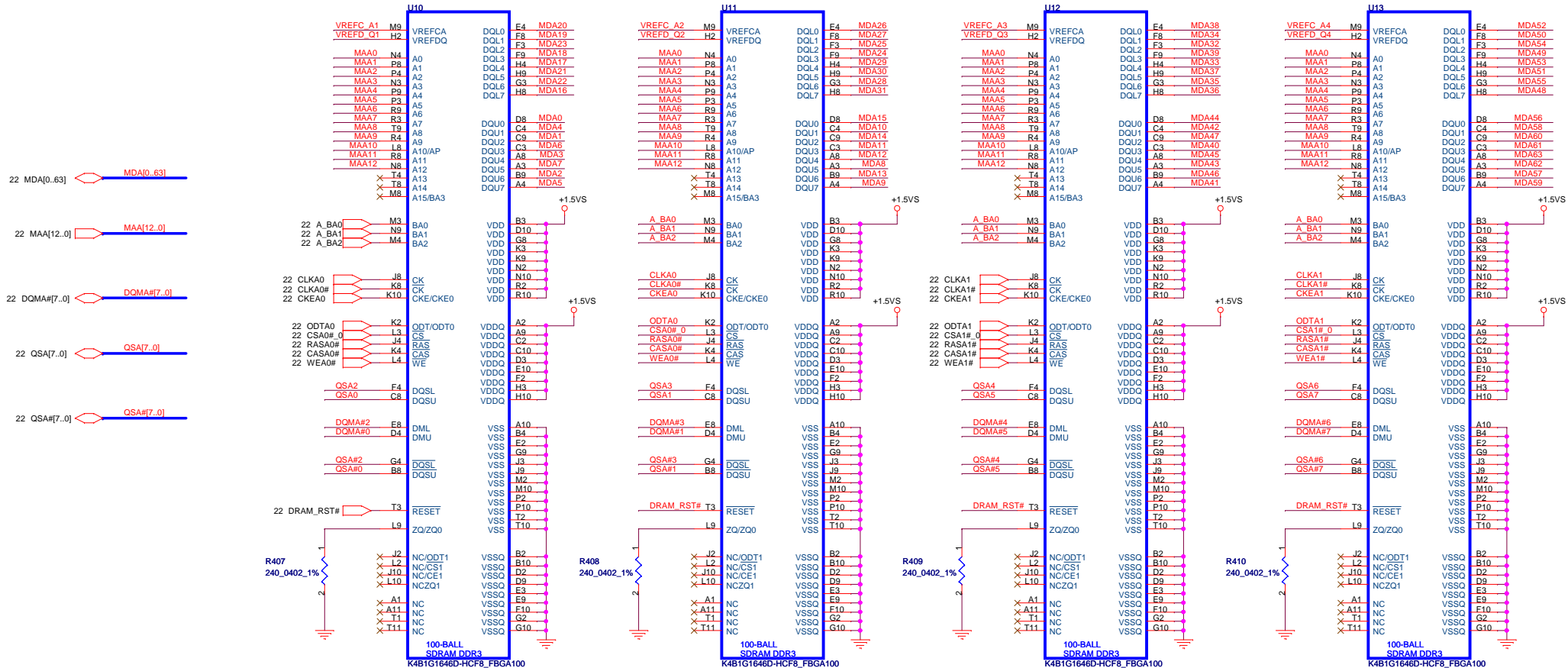
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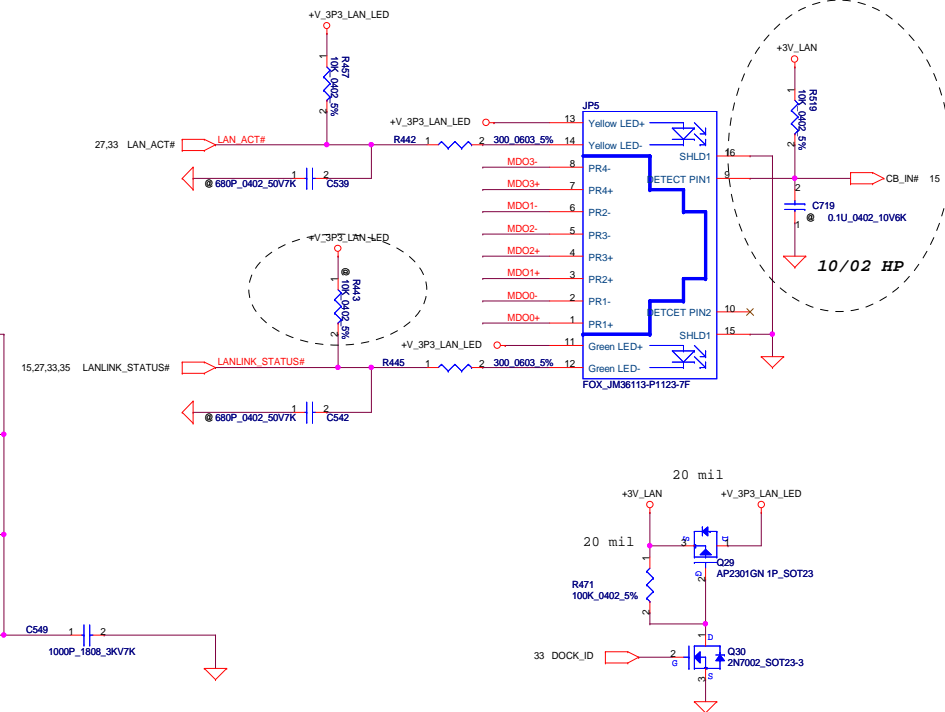
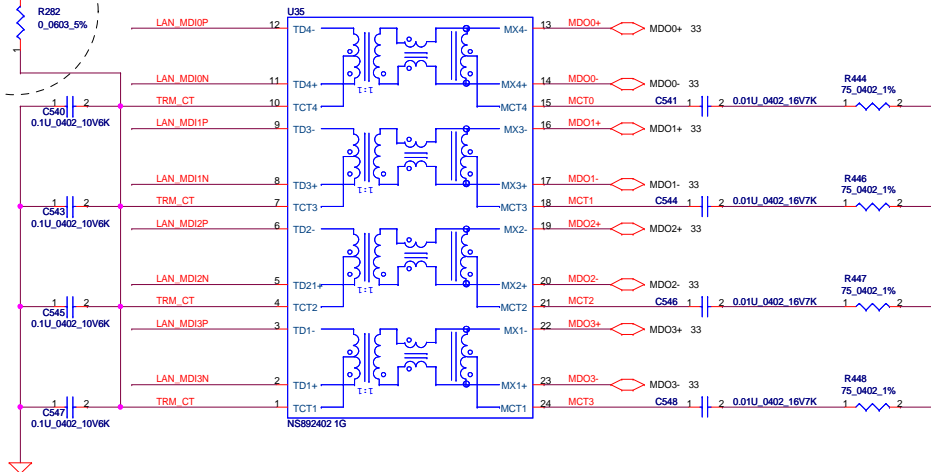
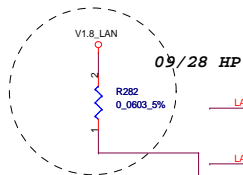
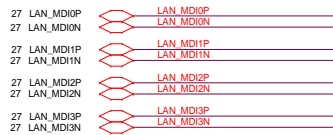


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10/15 HP



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Compal Electronics, Inc.
Magnetic & RJ45

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MDC 1.5 Conn.

The schematic shows the connection of the **MC74AHC1G08DFT2G SC70 5P** to the **ACES_88020-12101_12P** connector.

Power Supply Connections:

- +3VALW:** Connected to pin 1 (IN) of U18.
- +3VVS:** Connected to pin 2 (IN2) of U18.
- +3VVS:** Connected to pin 1 of the ACES connector.

Signal Connections:

- HDA_SDOUT_MDC:** Connected to pin 1 of the ACES connector.
- HDA_SYNC_MDC:** Connected to pin 2 of the ACES connector.
- HDA_SDIN1_MDC:** Connected to pin 3 of the ACES connector.
- HDA_BIT_CLK_MDC:** Connected to pin 4 of the ACES connector.

Logic Inverter (U18):

- U18 is an inverter (MC74AHC1G08DFT2G SC70 5P).
- Pin 1 (IN) is connected to +3VALW.
- Pin 2 (IN2) is connected to +3VVS.
- Pin 4 (O) is connected to pin 1 of the ACES connector.

ACES Connector (ACES_88020-12101_12P):

- Pin 1: HDA_SDOUT_MDC
- Pin 2: HDA_SYNC_MDC
- Pin 3: HDA_SDIN1_MDC
- Pin 4: HDA_BIT_CLK_MDC
- Pin 5: GND
- Pin 6: GND
- Pin 7: GND
- Pin 8: GND
- Pin 9: GND
- Pin 10: GND
- Pin 11: GND
- Pin 12: GND

Component Values:

- R482: 33.0402 5%
- R483: 0.0402 5%
- CS86: 100P_0402_50V/BJ

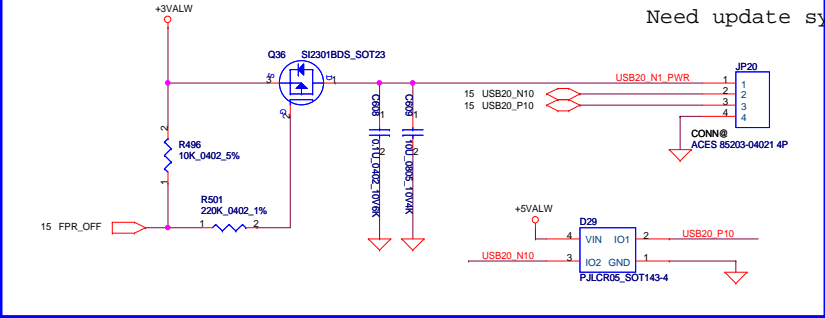
Power button

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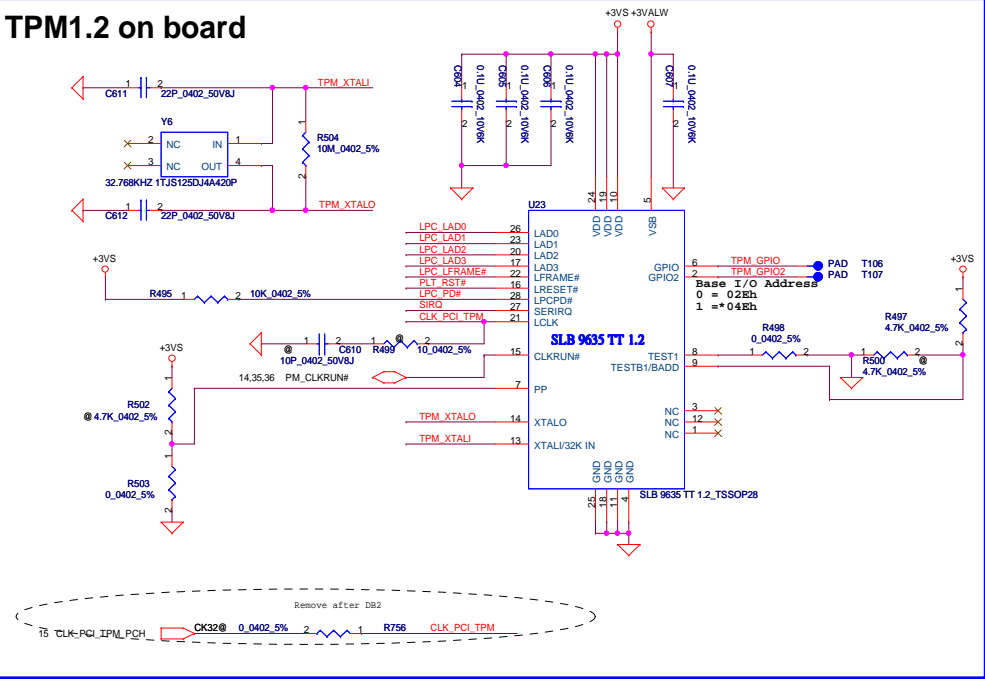
TrackPoint CONN.

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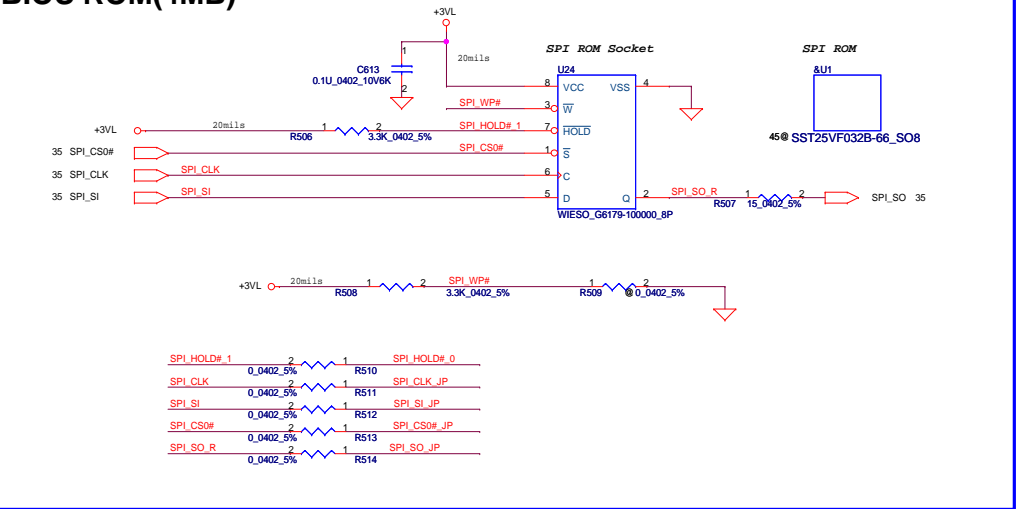
Finger printer



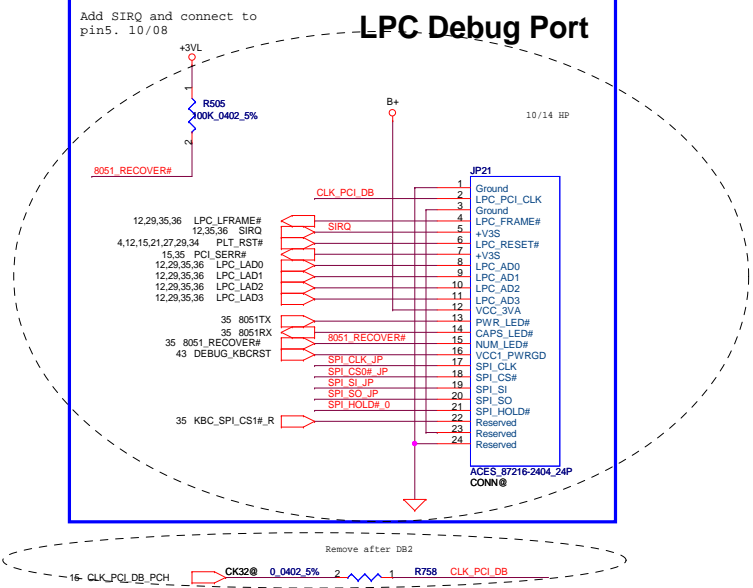
TPM1.2 on board



BIOS ROM(4MB)



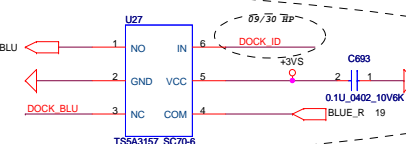
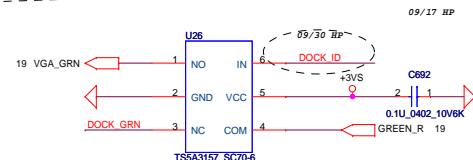
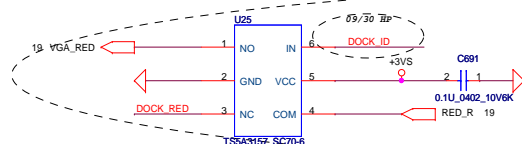
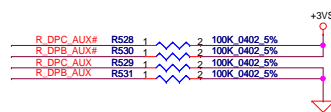
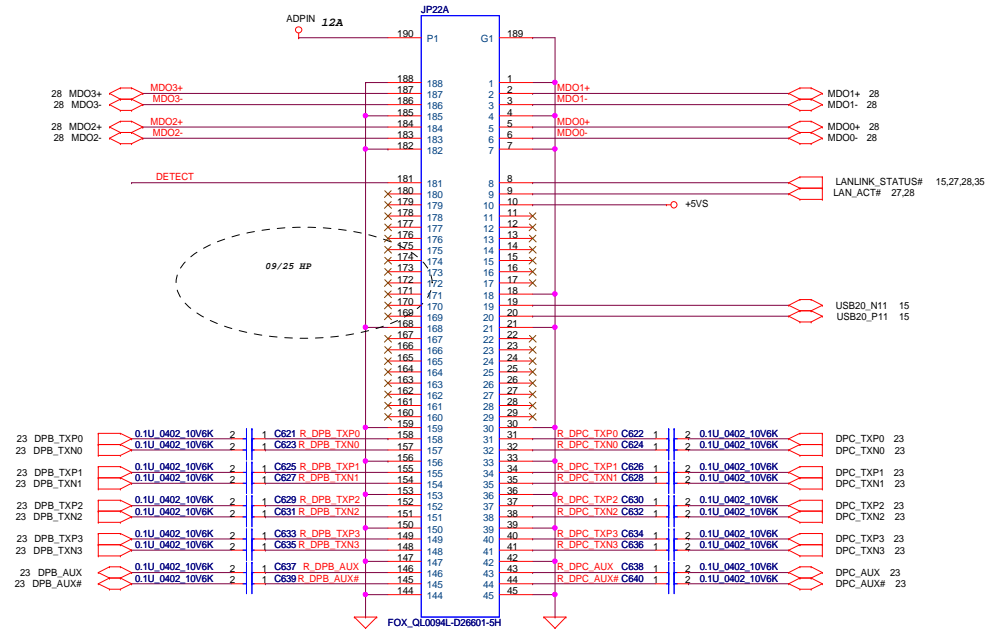
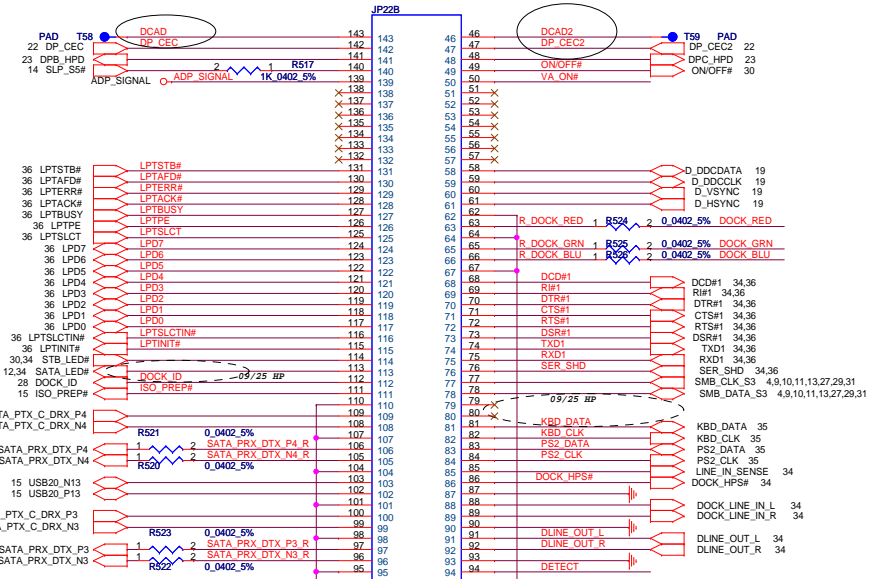
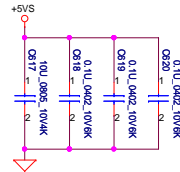
LPC Debug Port



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			LA-4891	Document Number
			0.1	Rev
			Tuesday, October 28, 2008	Date
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DOCKING CONNECTOR

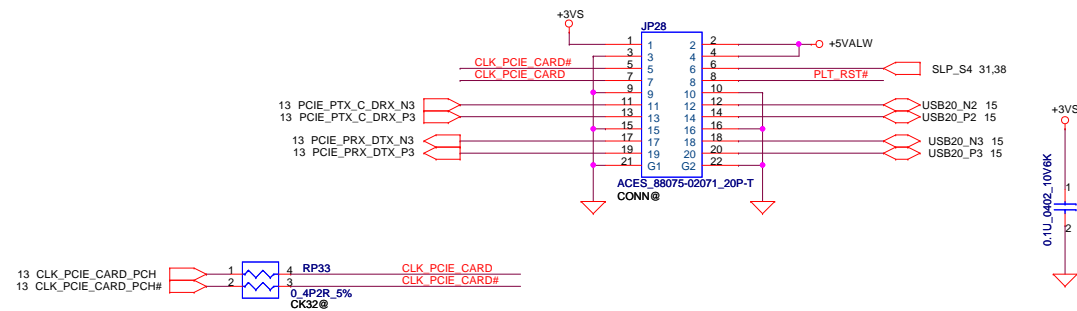
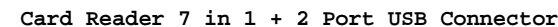
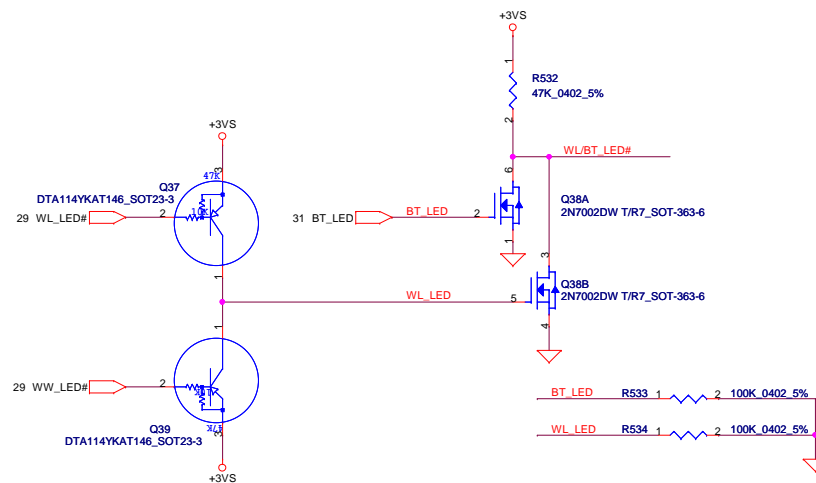
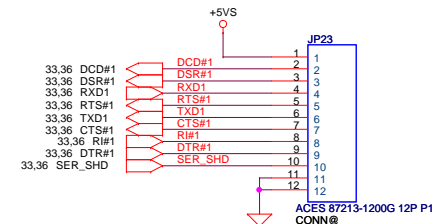
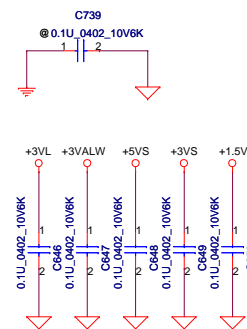
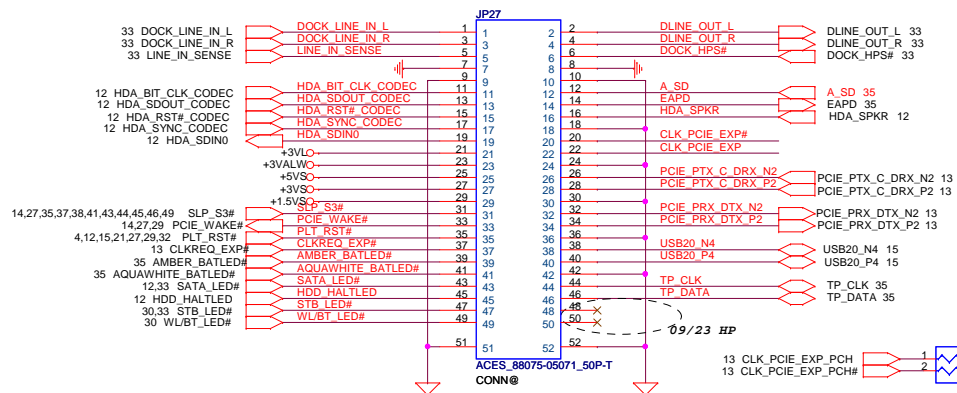
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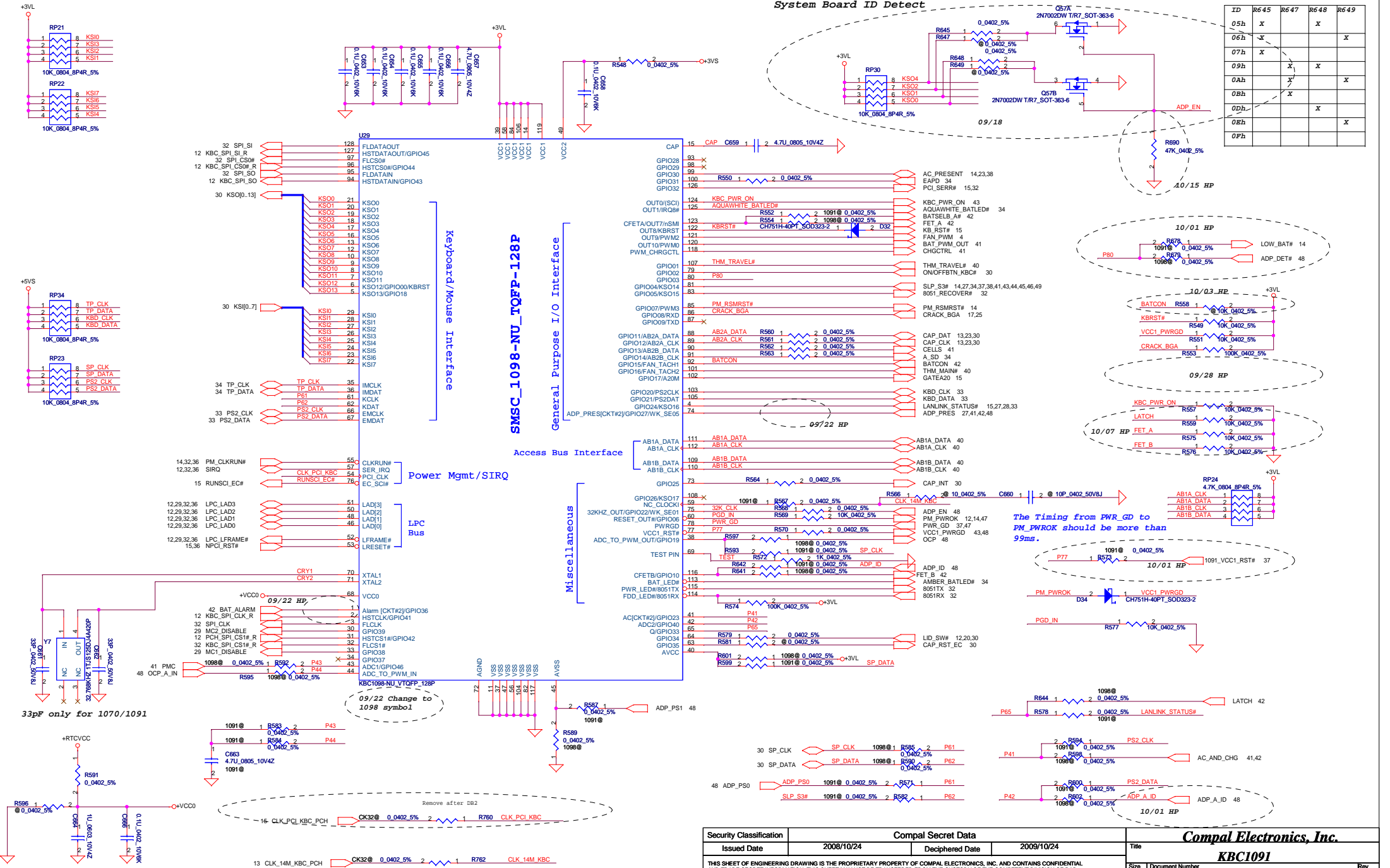
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Audio/Express Card/TP/LEDs Connector

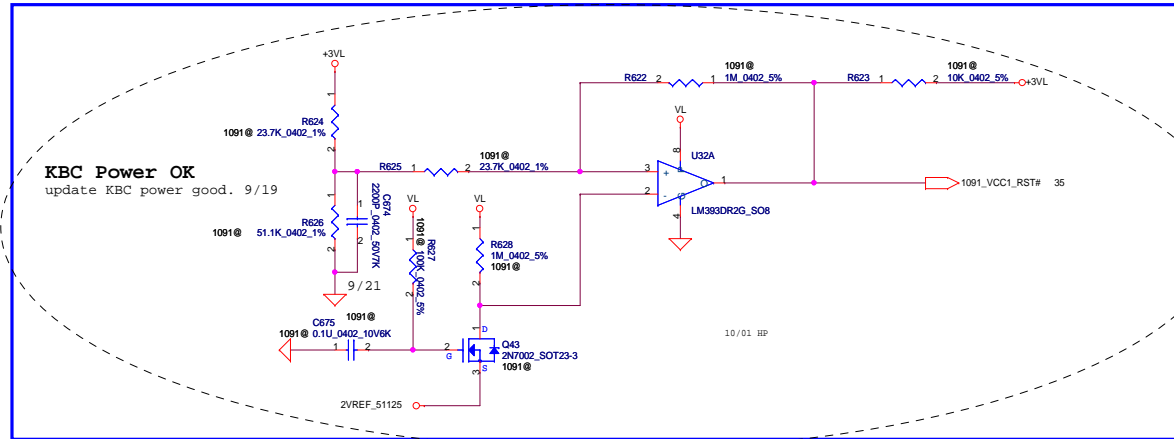
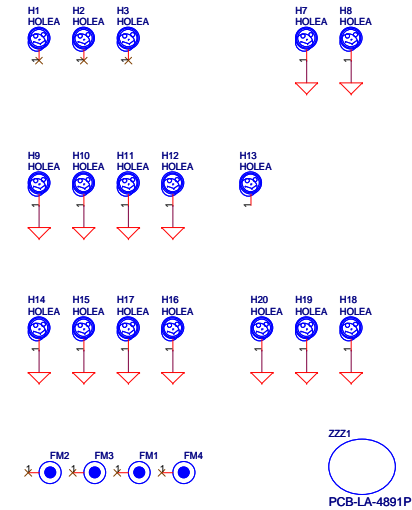
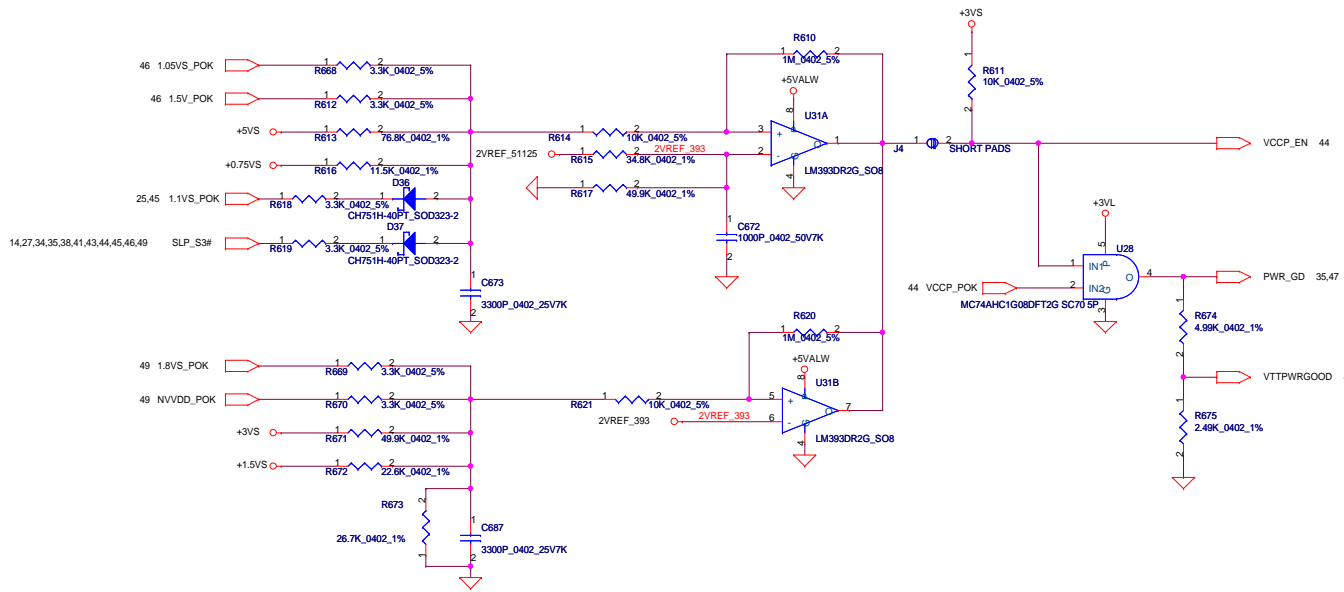


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System Board ID Detect

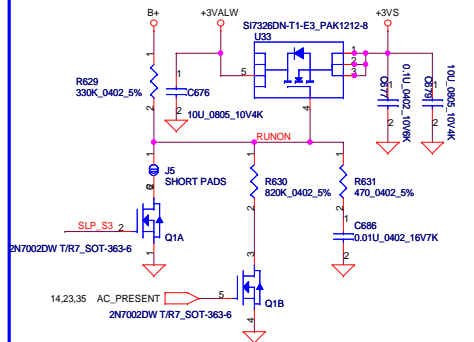


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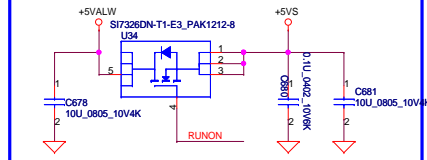


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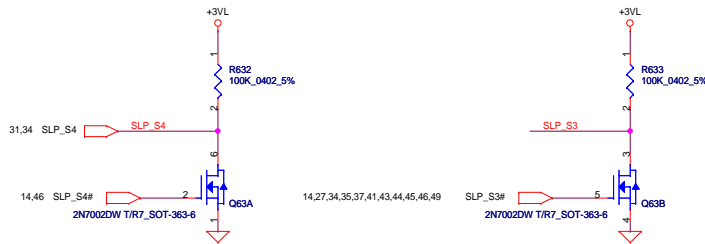
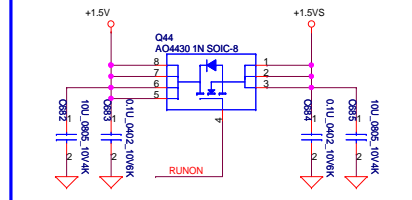
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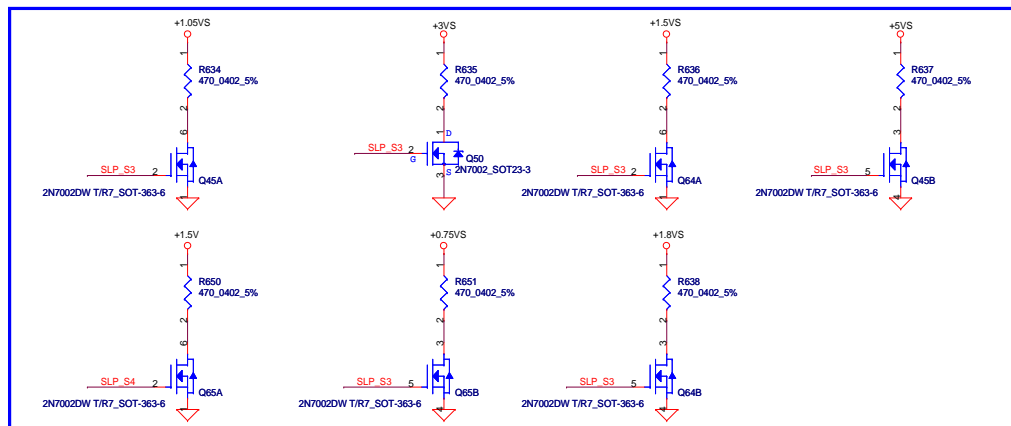
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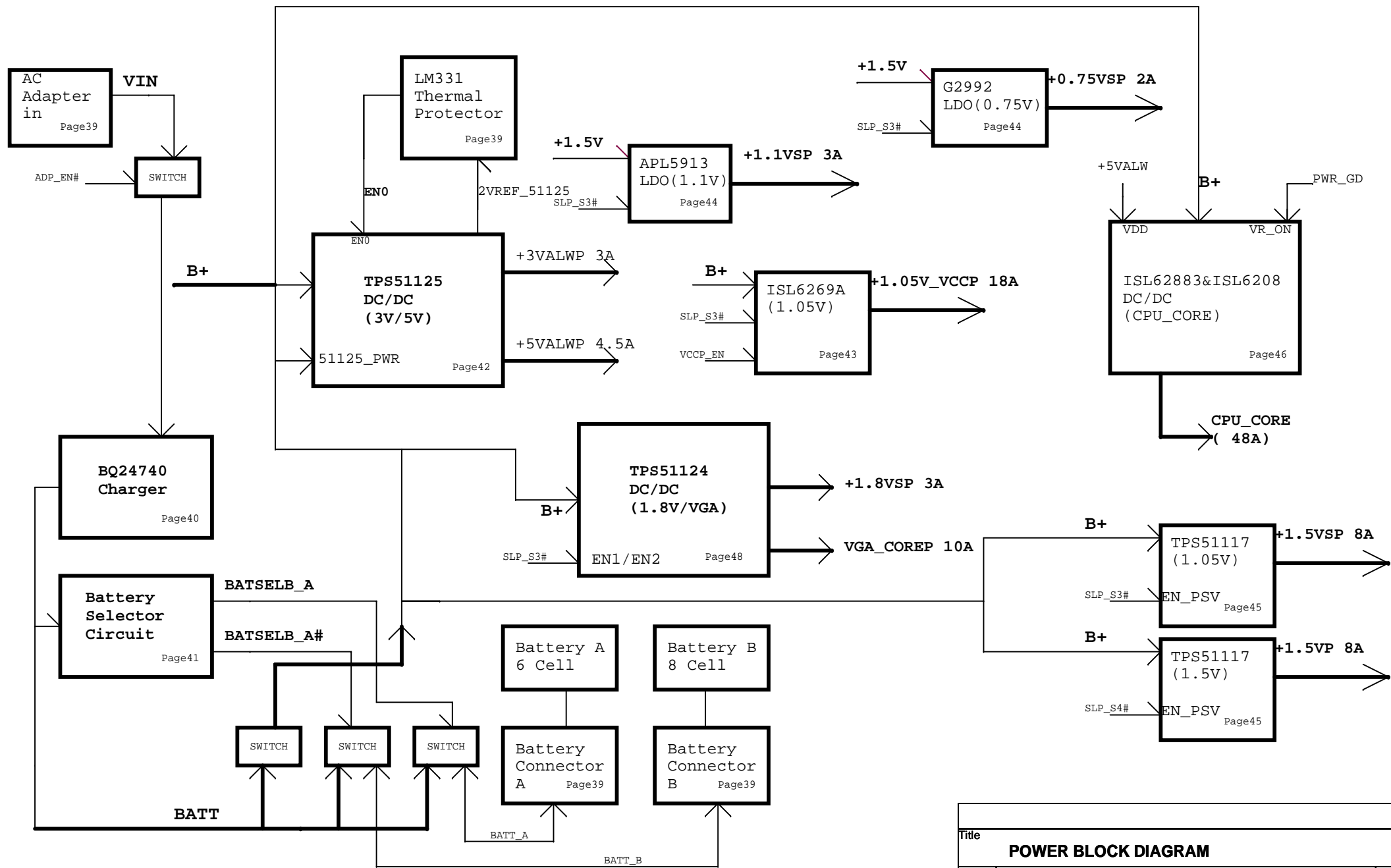
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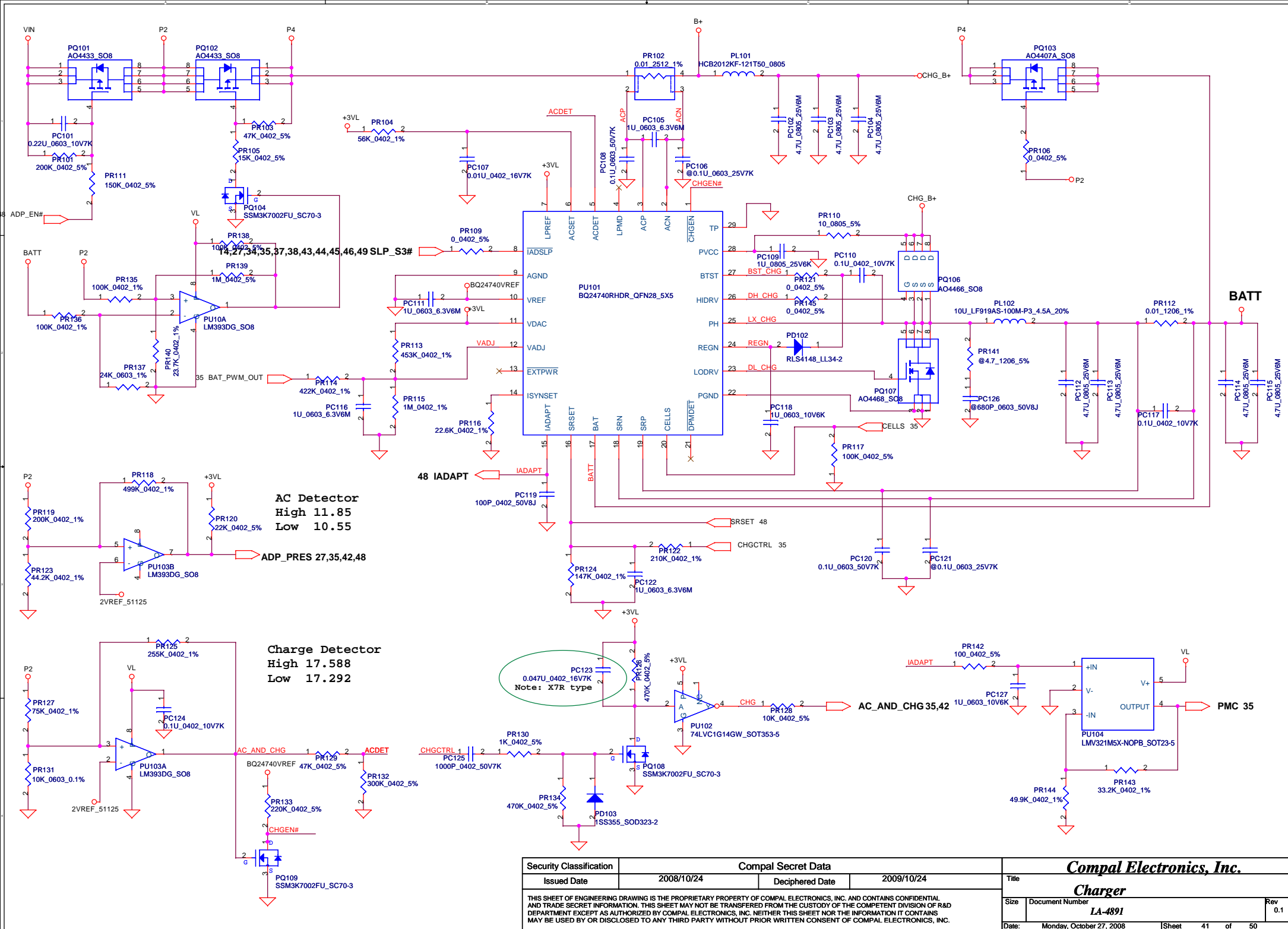
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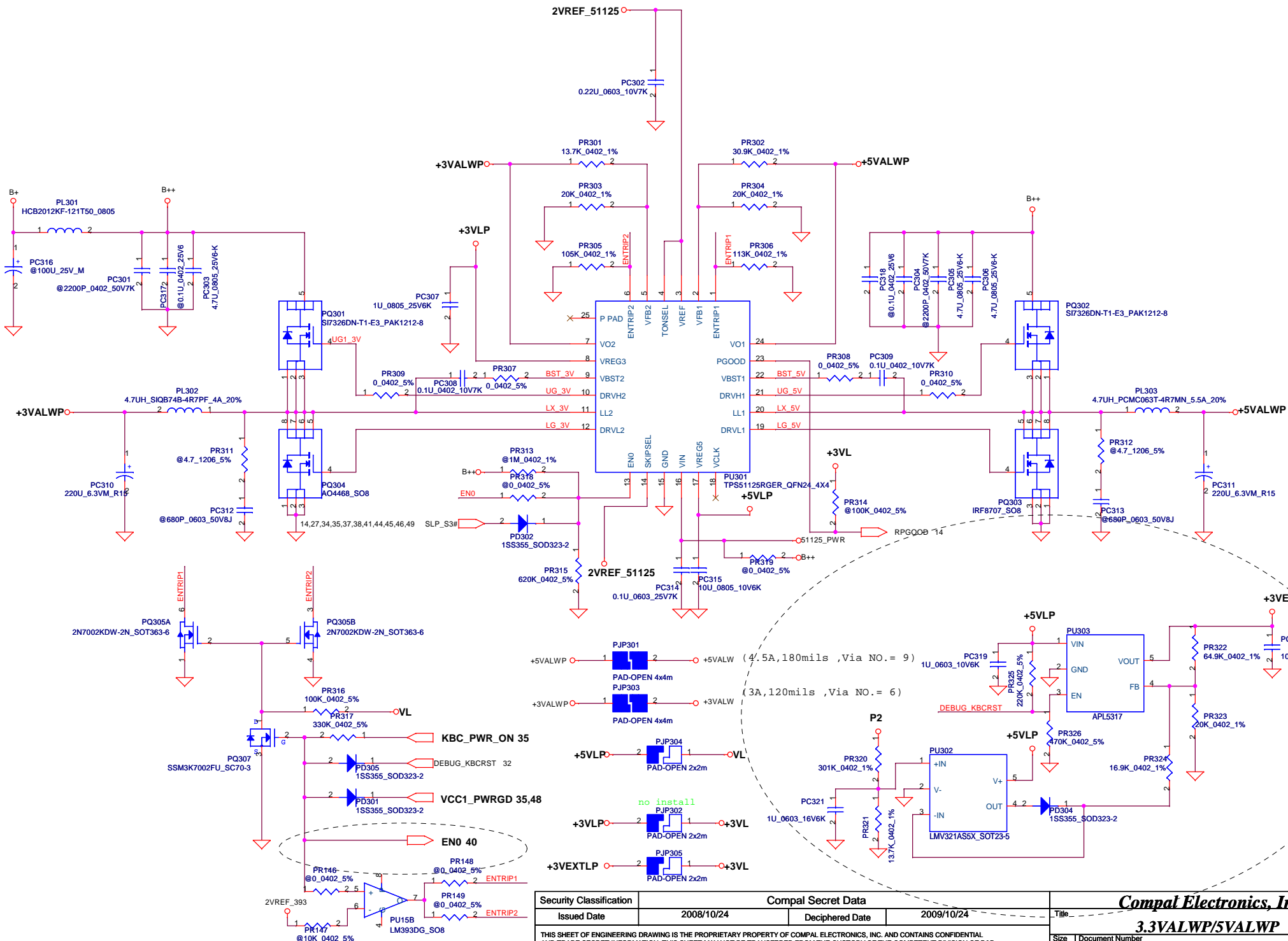


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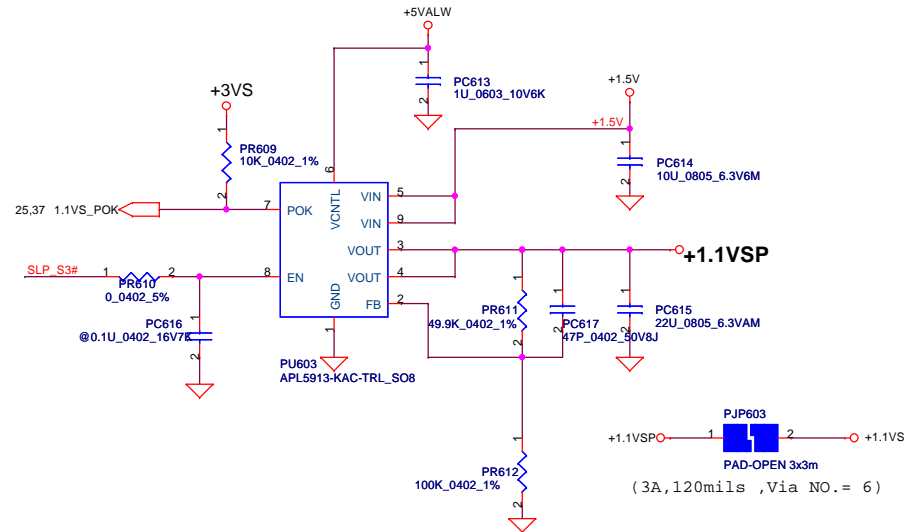
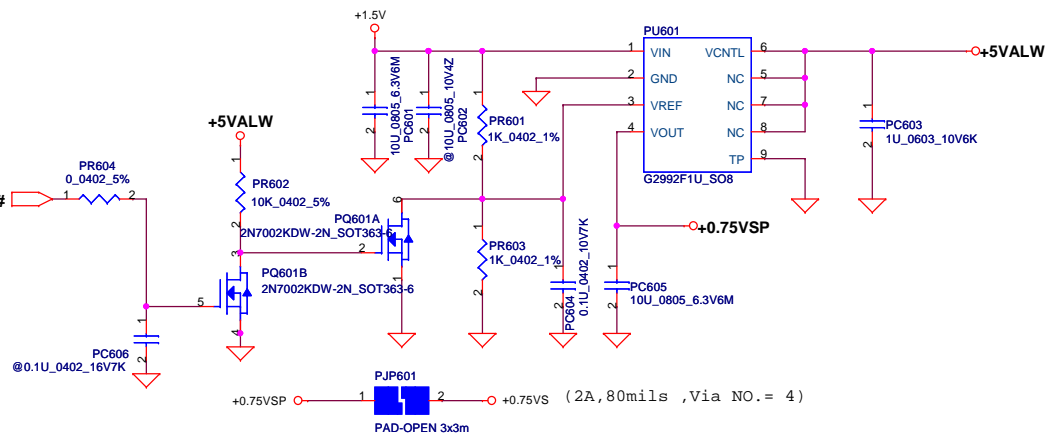
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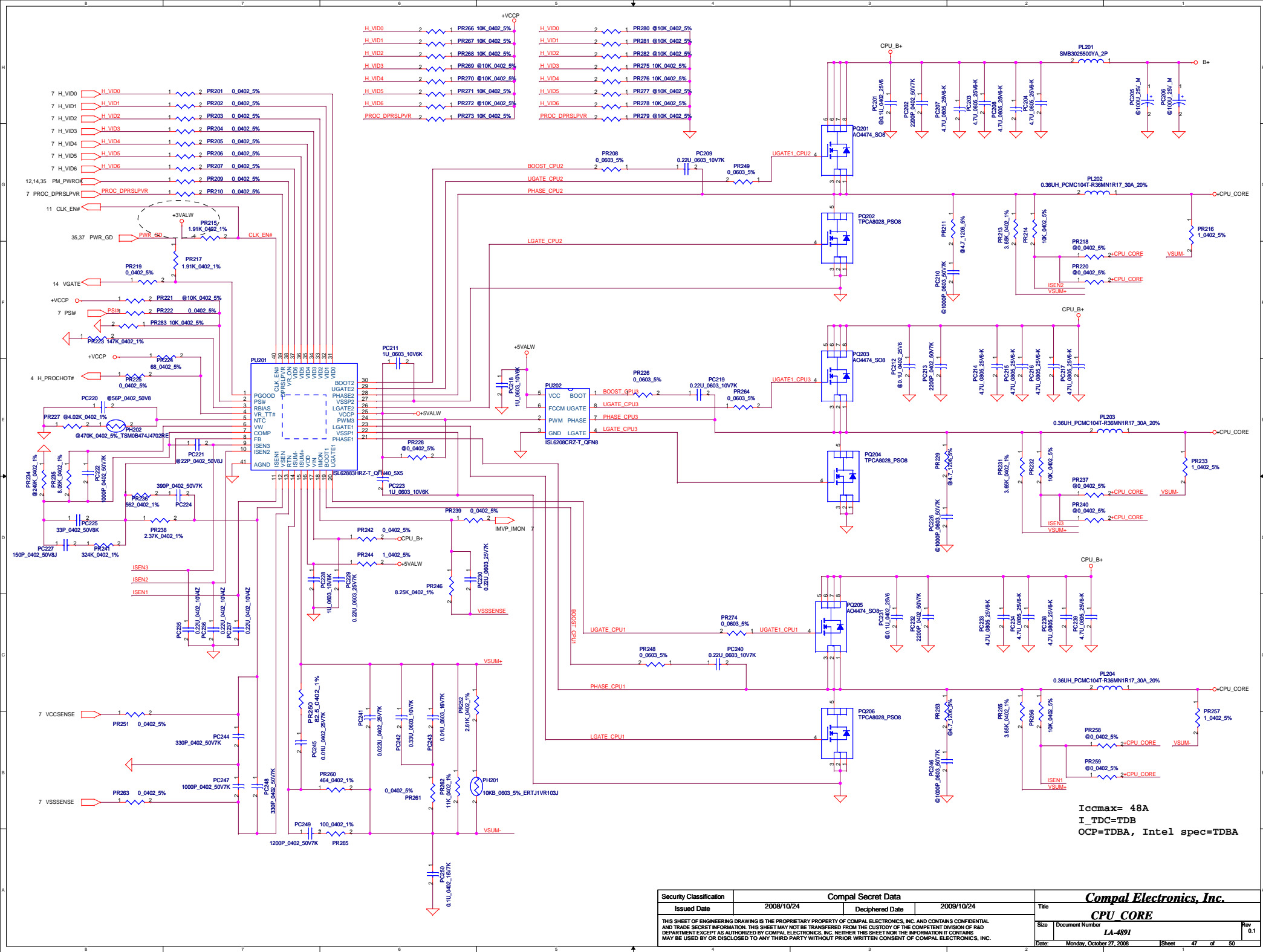
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44,46,49 SLP_S3#



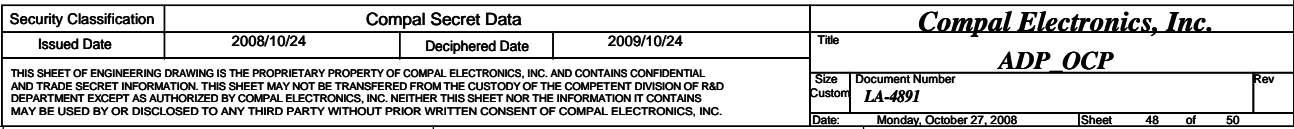
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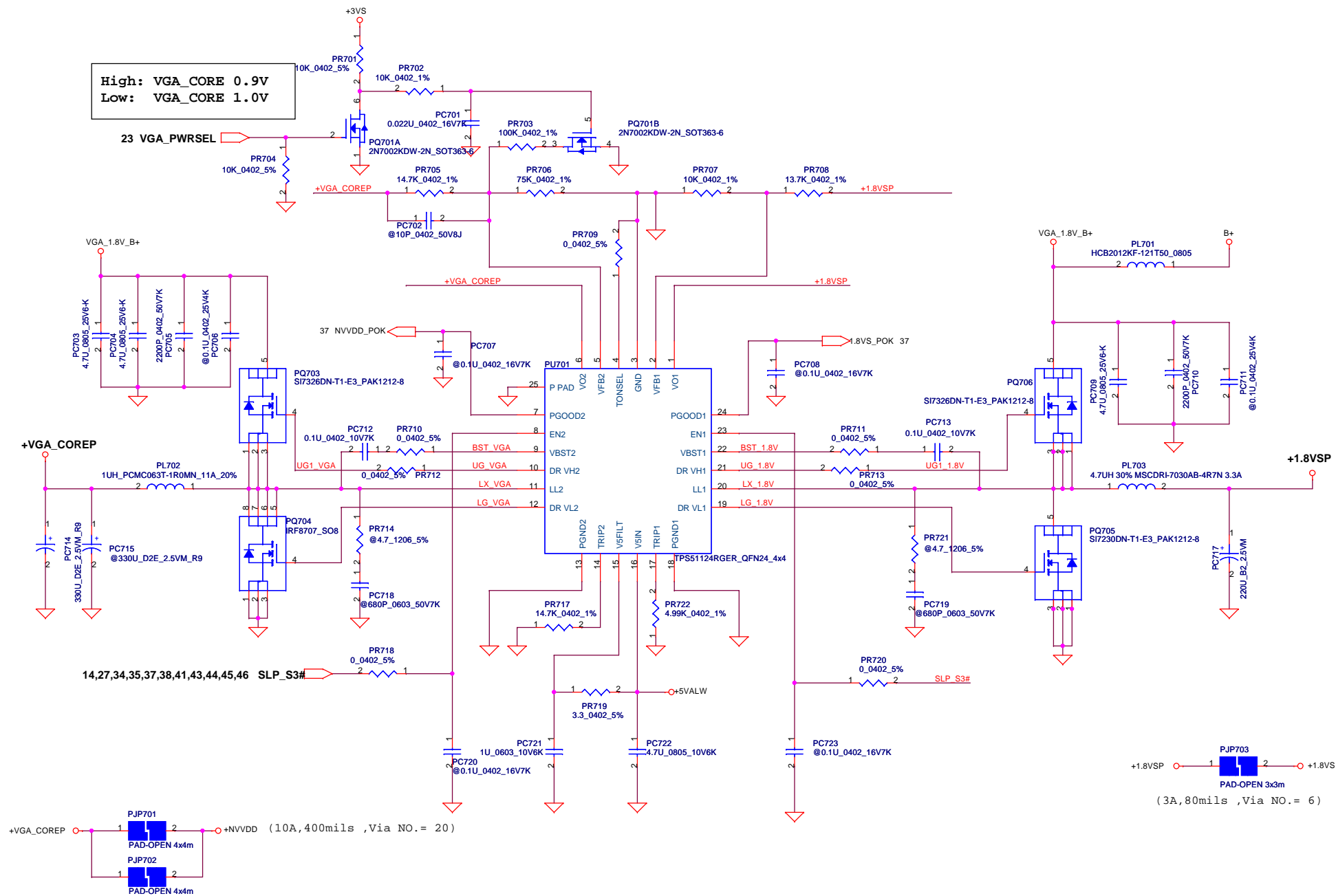
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Iccmax= 48A
I_TDC=TDB
OCP=TDBA, Intel spec=TDBA

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Item	Reason for change	PG#	Modify List	Date	Phase
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