

Platform : AMD Bbazos (Champlain APU+ hudsion)

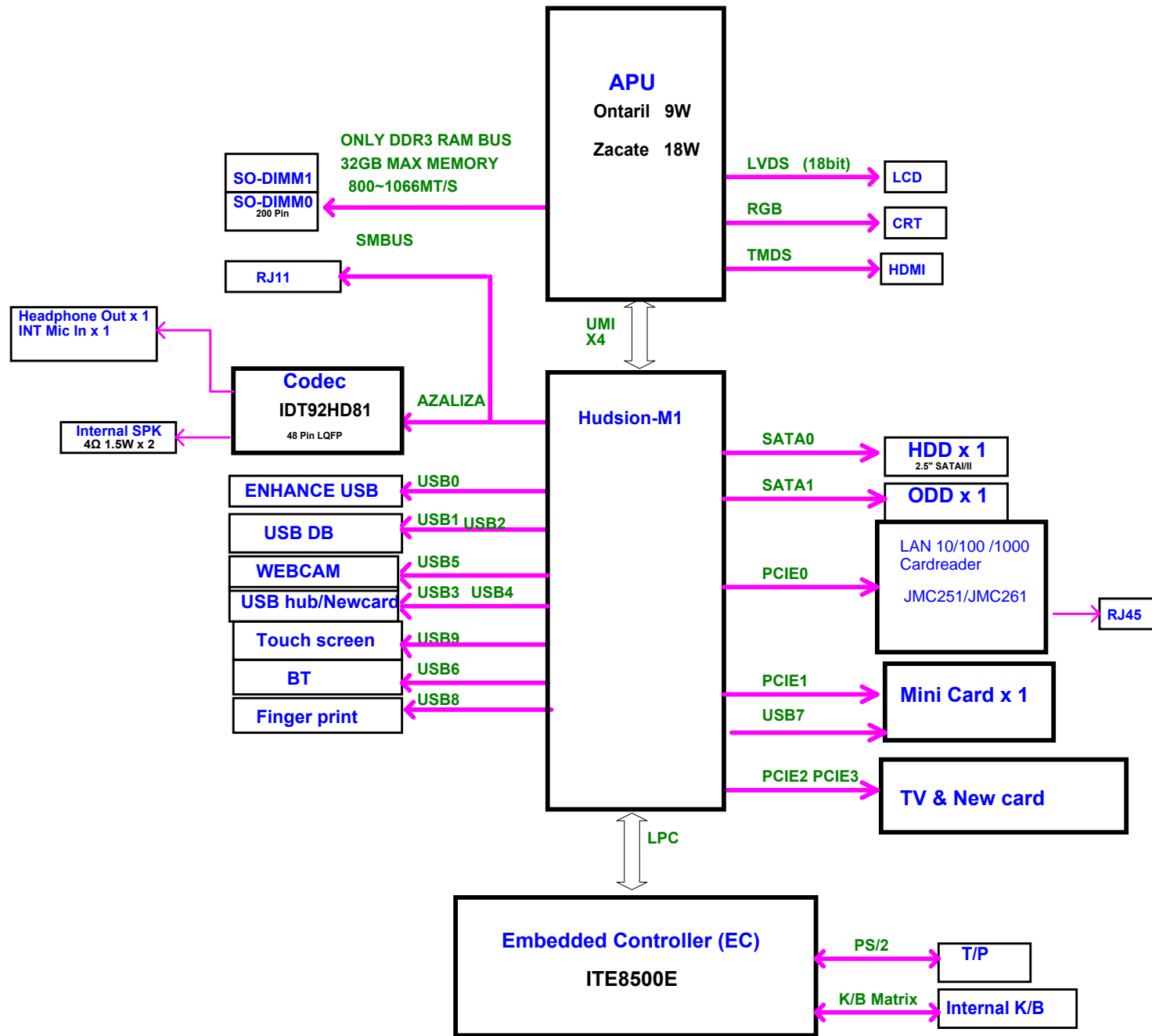
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M/B Schematic Version Change List

Daughter Board Schematic Version Change List

[illegible]

SYSTEM BLOCK DIAGRAM



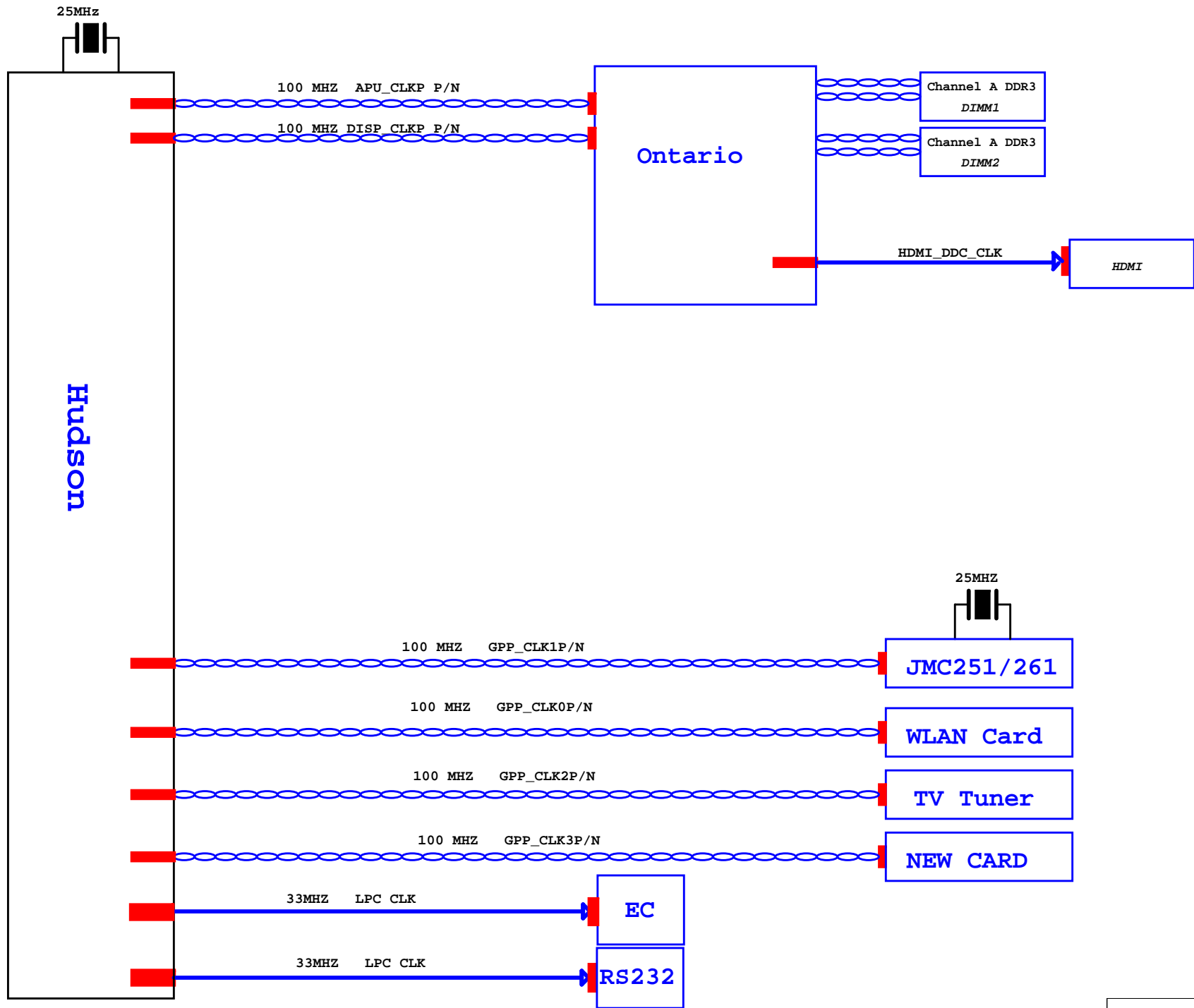
HUDSON-1M:

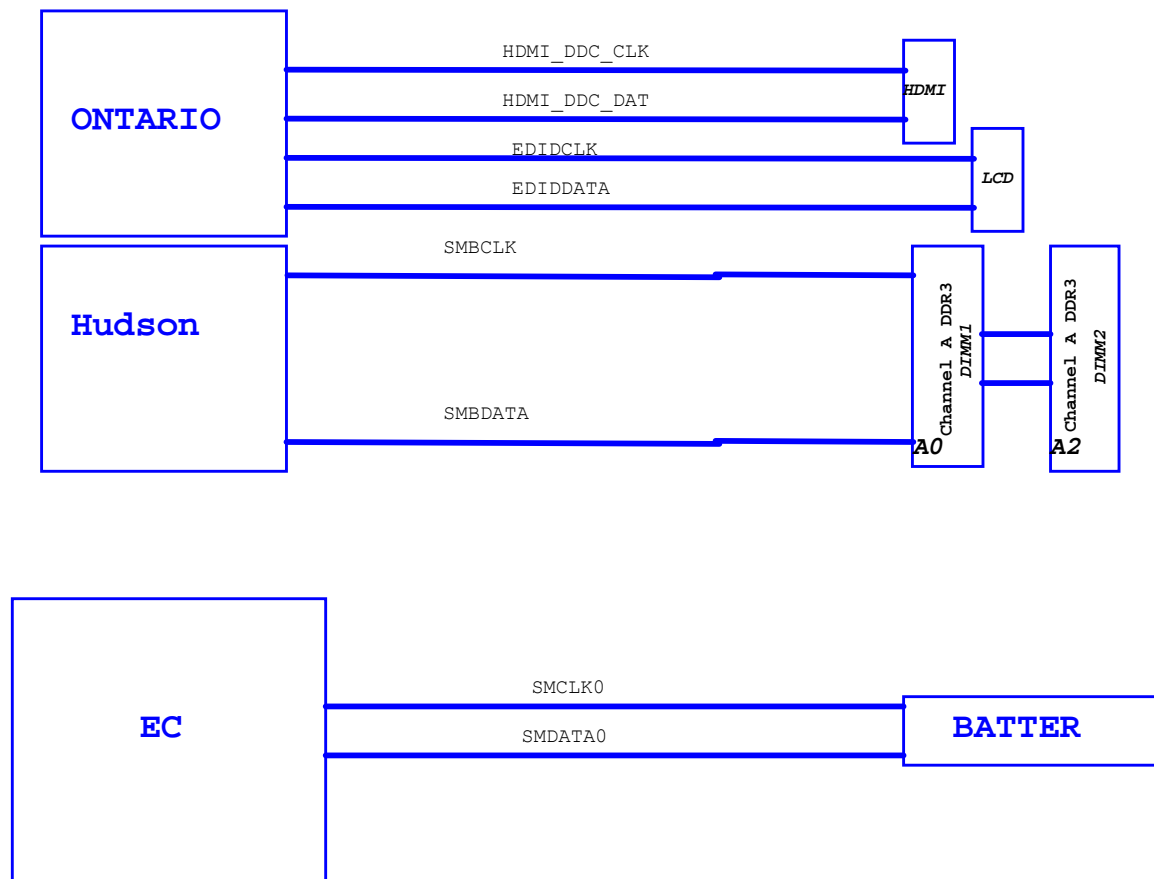
- 1, +3.3VDUAL ramp before +1.1VDUAL
- 2, +3.3V ramp before +1.8v
- 3, +1.8V ramp before +1.1v
- 4, +3.3v ramp before +1.1v

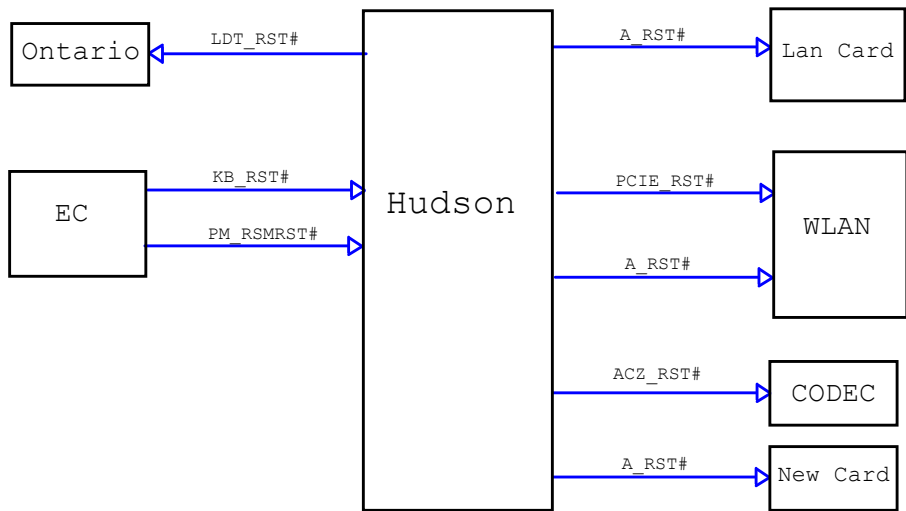
, GROUP A(VDD10,VDD18, VDDIO, VDD33) ramp before GROUP B(VDDCR,VDDNB)

All Power Rails except +3.3VA --> $50\ \mu\text{s} < \text{Power Rail Ramp time} < 40\ \text{ms}$.
+3.3VA --> $100\ \mu\text{s} < \text{Power Rail Ramp time} < 40\ \text{ms}$.









MB_13

use internal clk gen

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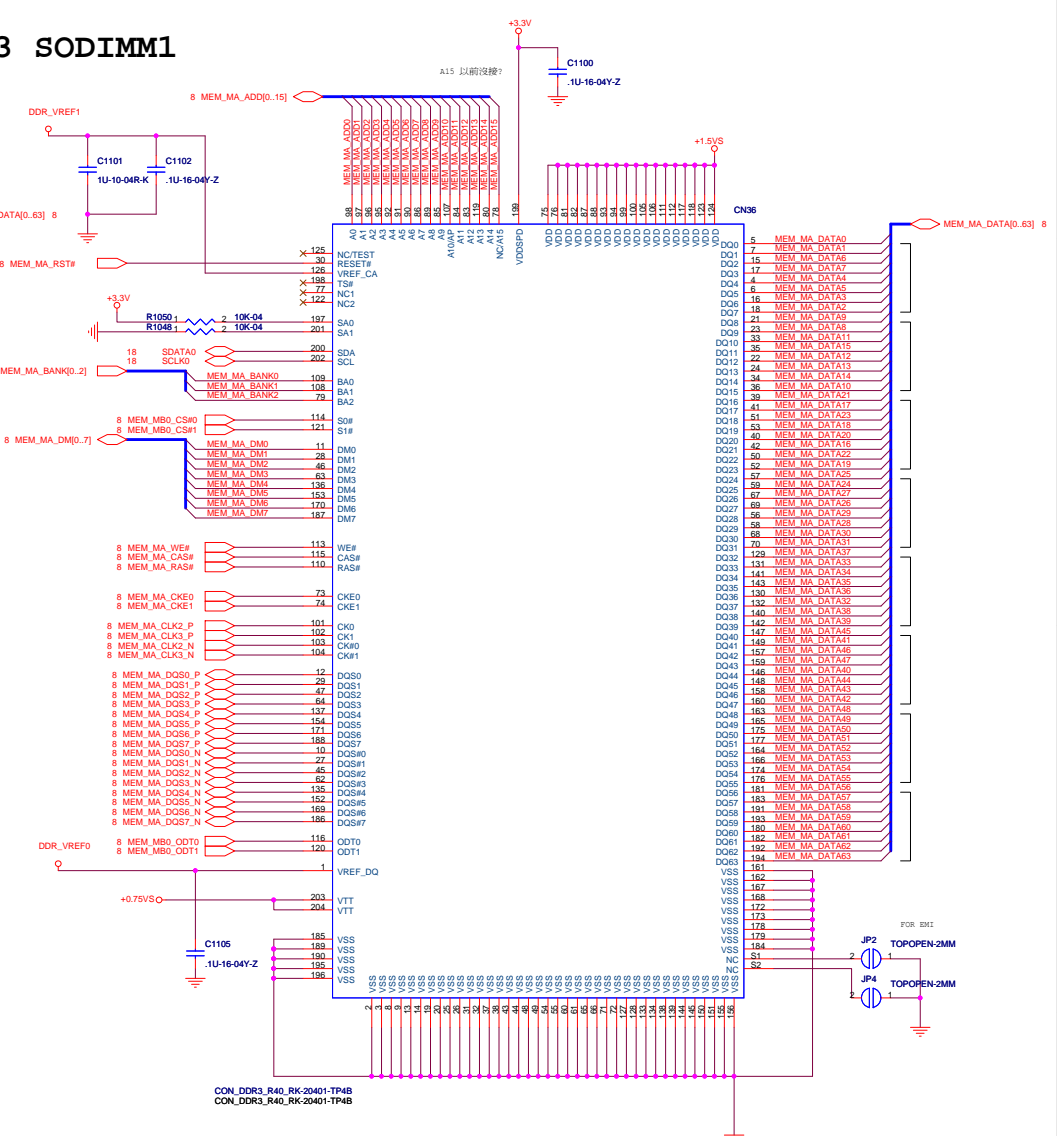
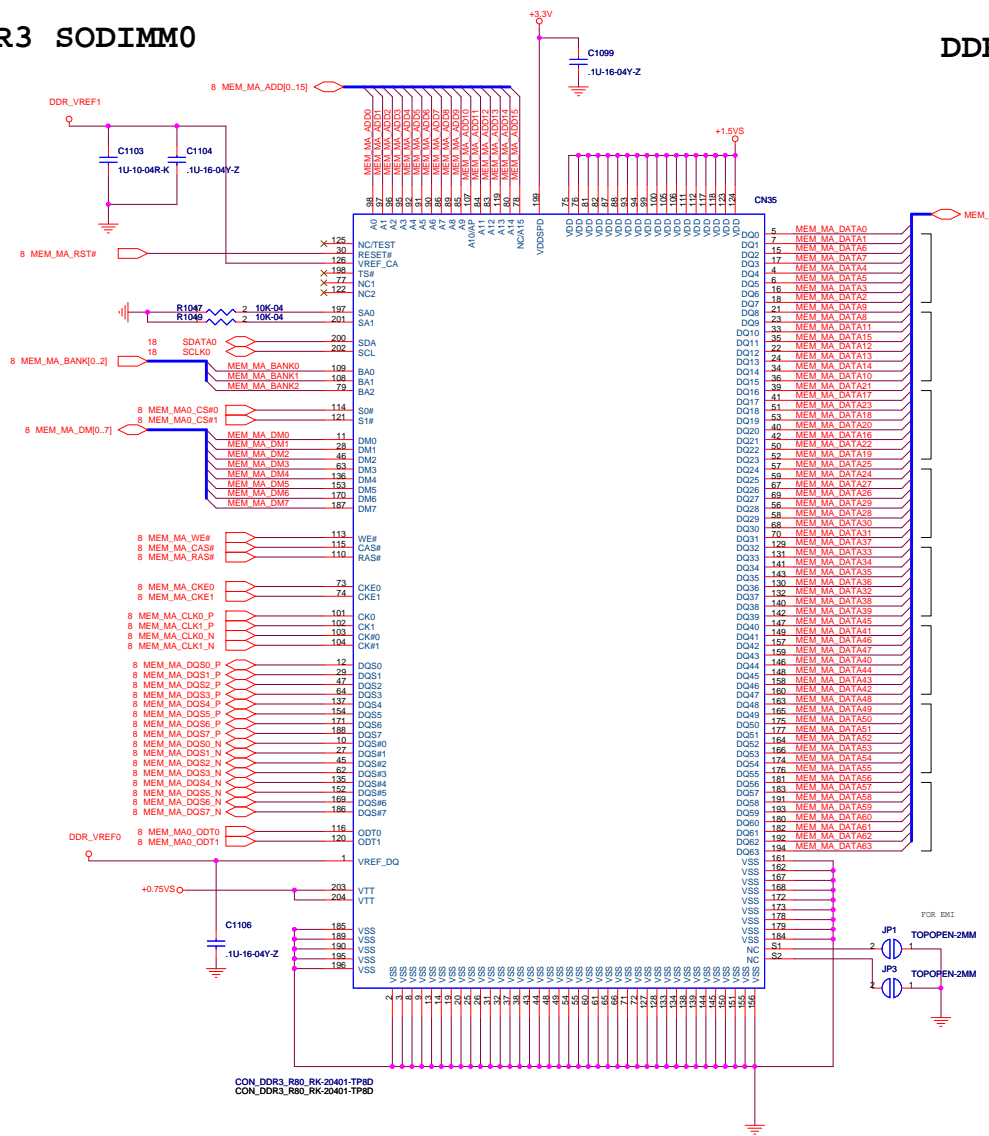






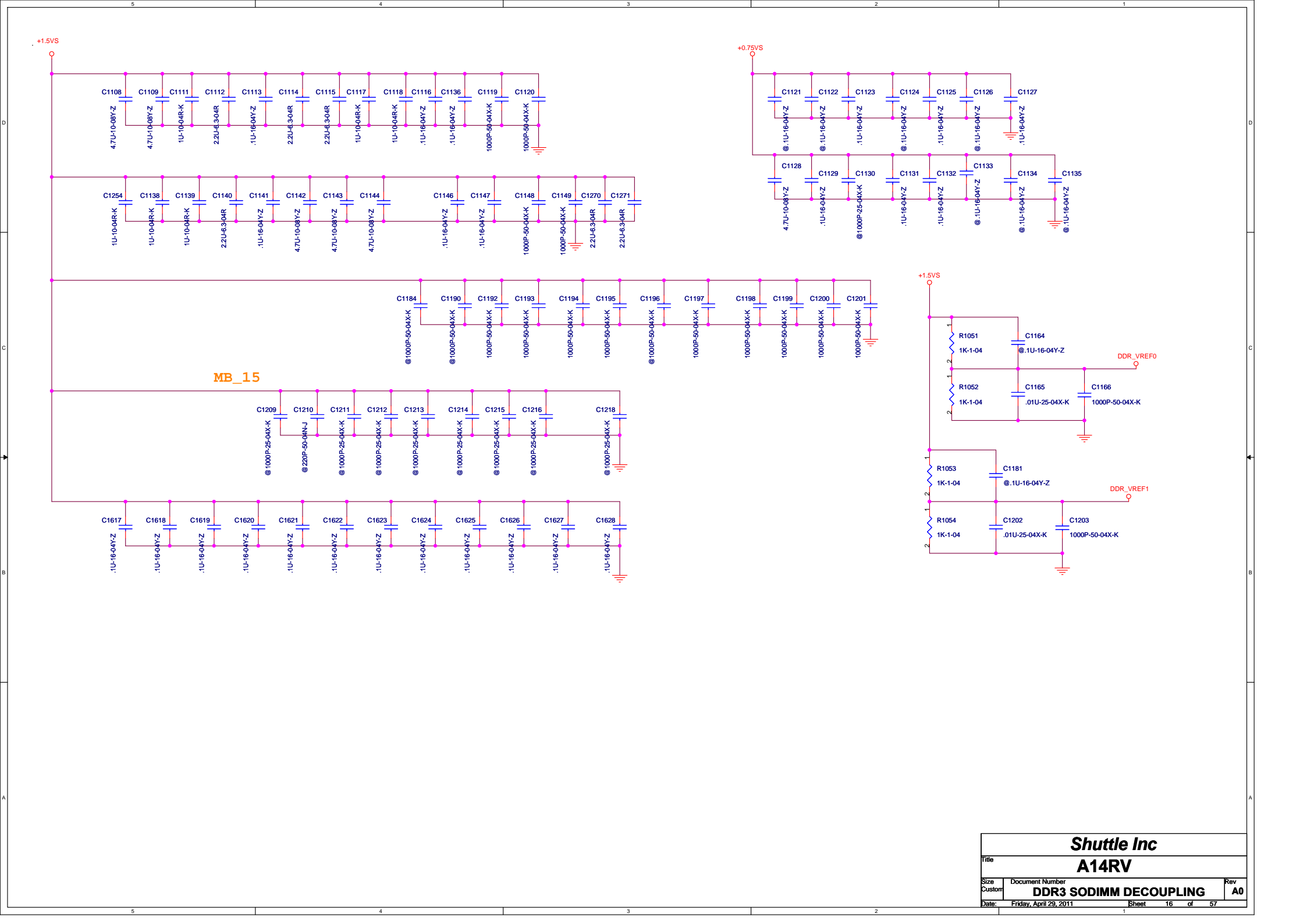
DDR3 SODIMM0

DDR3 SODIMM1



SODIMM	SMB address	SA1	SA0
SODIMM0	A0	GND	GND
SODIMM1	A2	GND	+3.3V

populate SODIMM0 first

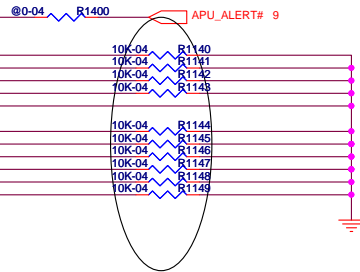
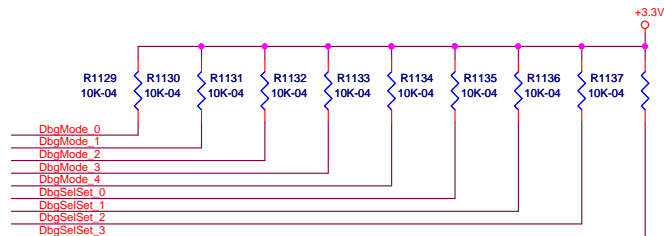
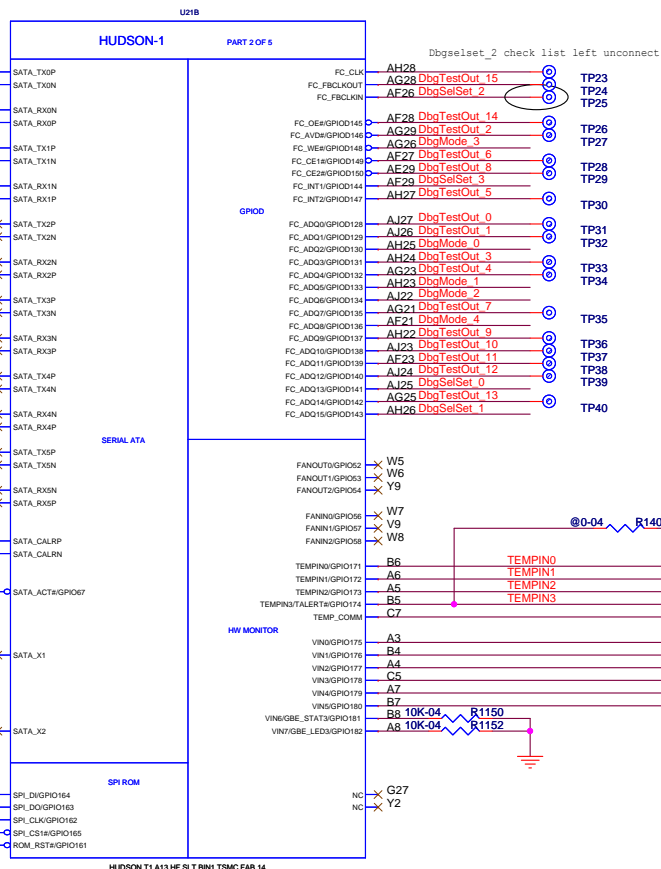
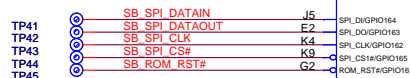
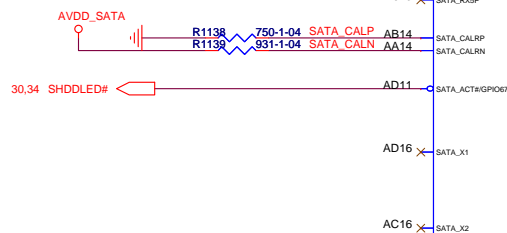


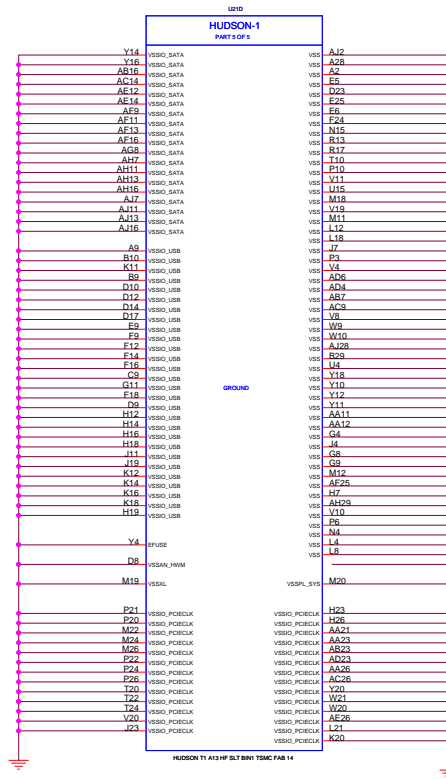


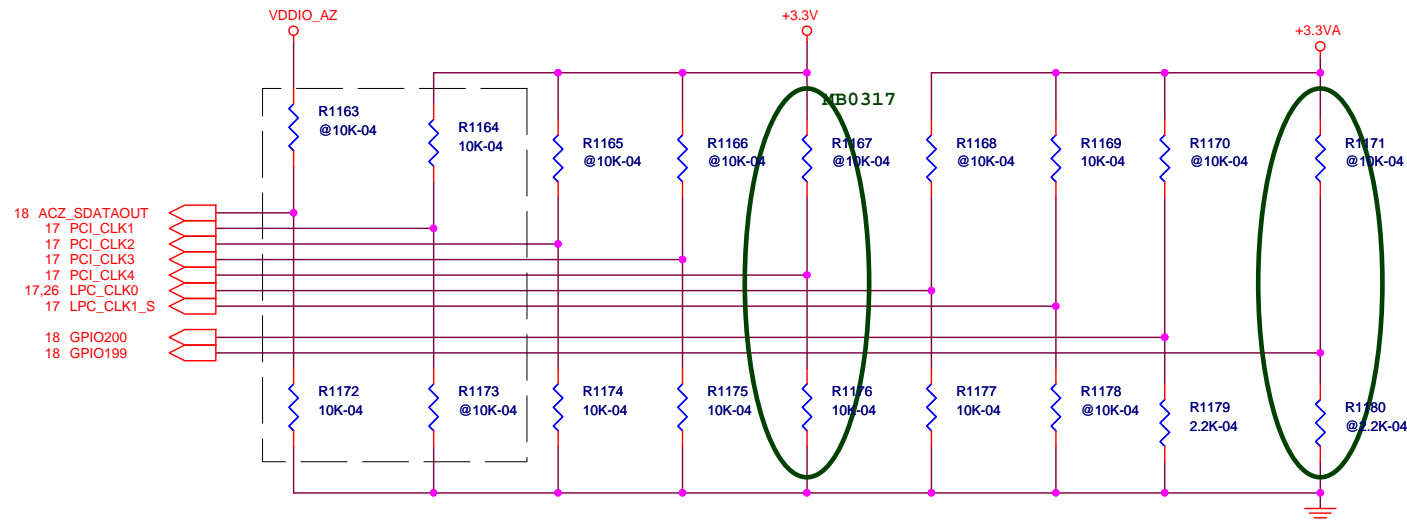
SATA trace should use only 1via on the trace. customers can use 2vias with GND via within 150mils of signal via as long as they can ensure that their platform meets SATA logo requirements. Return loss is expected to get affected with 2 vias. AMD platforms are validated with one via only

29 SATA_TXP0_C
29 SATA_TXN0_C
29 SATA_RXN0_C
29 SATA_RXP0_C
29 SATA_TXP1_C
29 SATA_TXN1_C
29 SATA_RXN1_C
29 SATA_RXP1_C

SATA PORTS DISTRIBUTION:
0, - 2.5 INCH DISK DRIVER
1, SATA ODD
2, - 2.5 INCH DISK DRIVER
3, eSATA
4 & 5, NOT USED







REQUIRED STRAPS

	AZ_SDOUT	PCI_CLK1	PCI_CLK2	PCI_CLK3	PCI_CLK4	LPC_CLK0	LPC_CLK1	GPIO200	GPIO199
PULL HIGH	LOW POWER MODE	ALLOW PCIE Gen2 DEFAULT	Watchdog Timer Enabled	USE DEBUG STRAP	non_Fusion CLOCK MODE	EC ENABLED	CLKGEN ENABLED DEFAULT	H,H = Reserved H,L = SPI ROM	
PULL LOW	PERFORMANCE MODE DEFAULT	FORCE PCIE Gen1	Watchdog Timer Disabled DEFAULT	IGNORE DEBUG STRAP DEFAULT	FUSION CLOCK MODE DEFAULT	EC DISABLED DEFAULT	CLKGEN DISABLED	L,H = LPC ROM (Default) L,L = FWH ROM	

for int clk only

check list write
 LL FWH
 LX LPC
 XL SPI
 XX RSVD
 (do'nt need pull HI)
 FWH are connect vis SIO

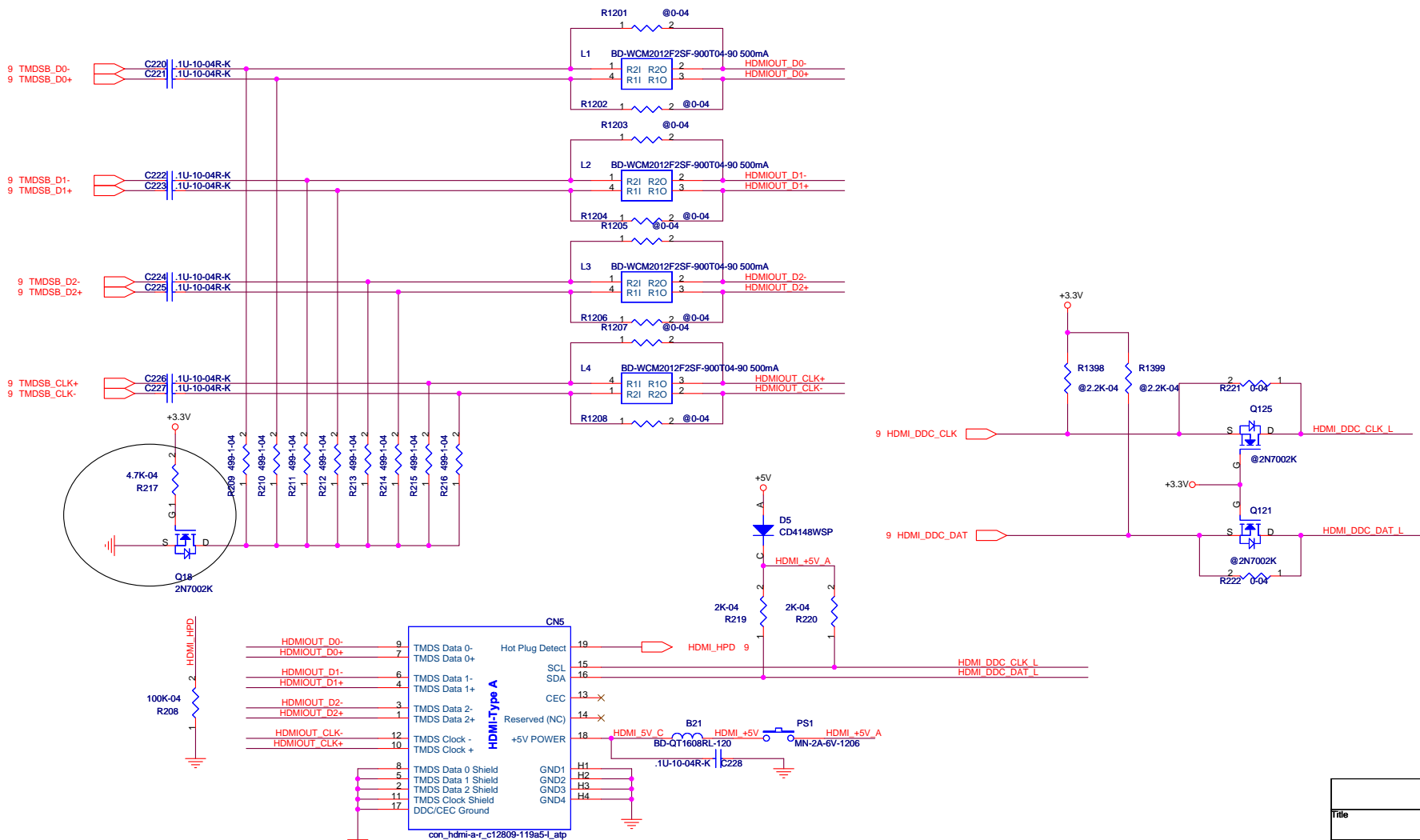
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	SB8X0 STRAPS	A0
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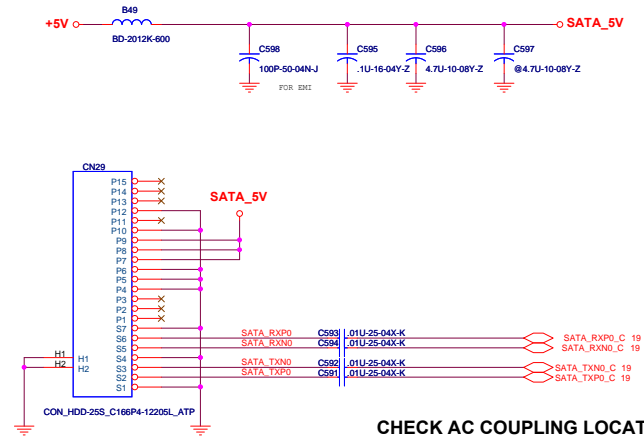


5					4					3					2					1					
D																									
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HDMI

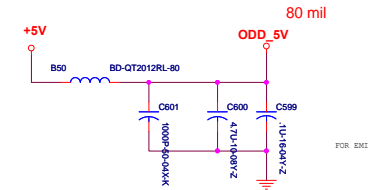
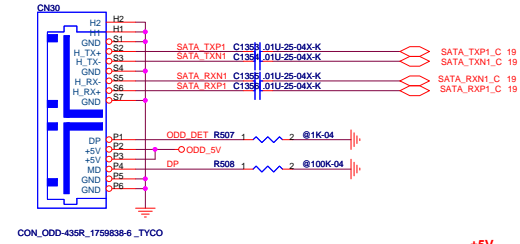


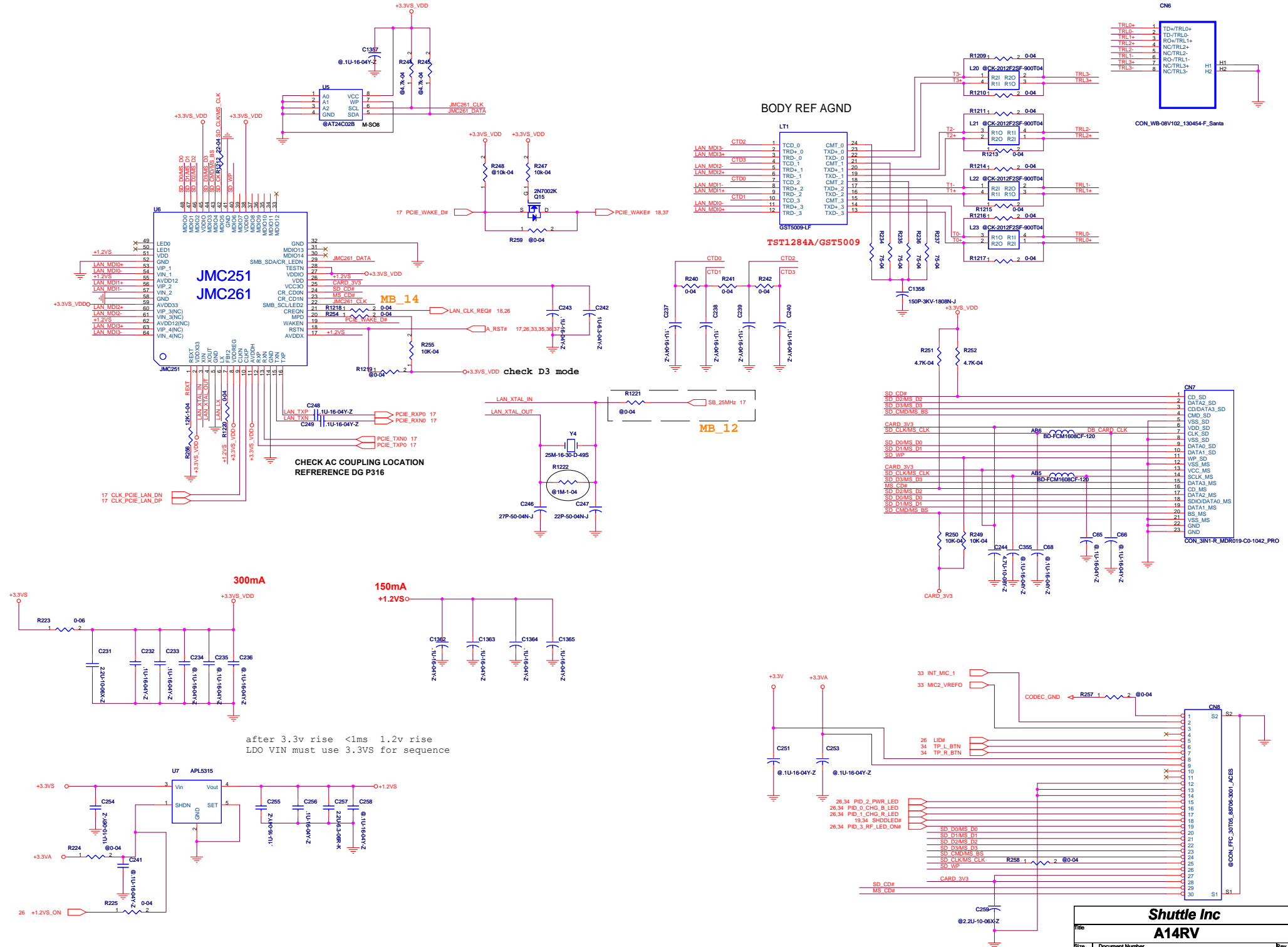
SATA-HDD 1A



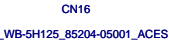
CHECK AC COUPLING LOCATION
REFERENCE DG P316

CD-ROM





WEBCAM_ON	
1	ON
0	OFF



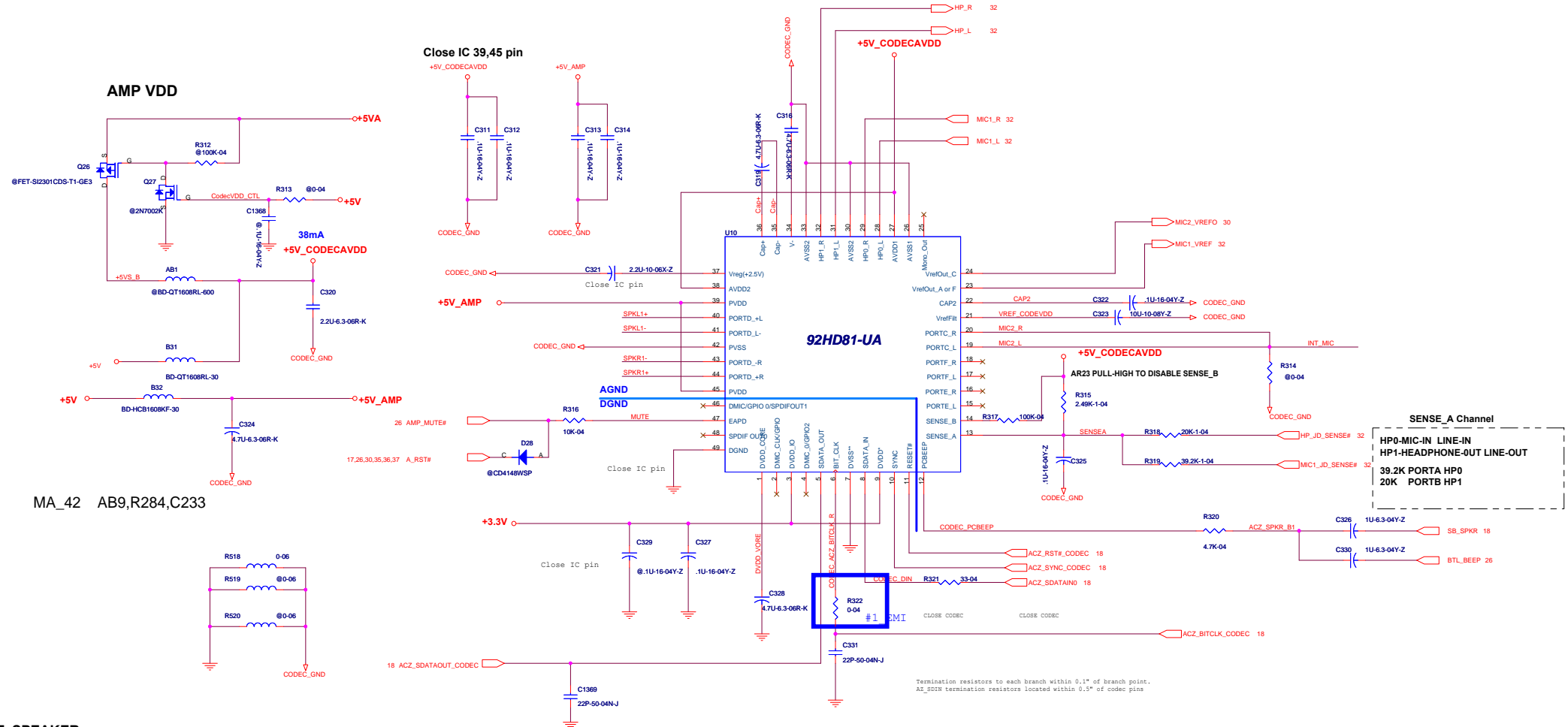
ADD BT_APM Function

3.3V
R516
10K-04

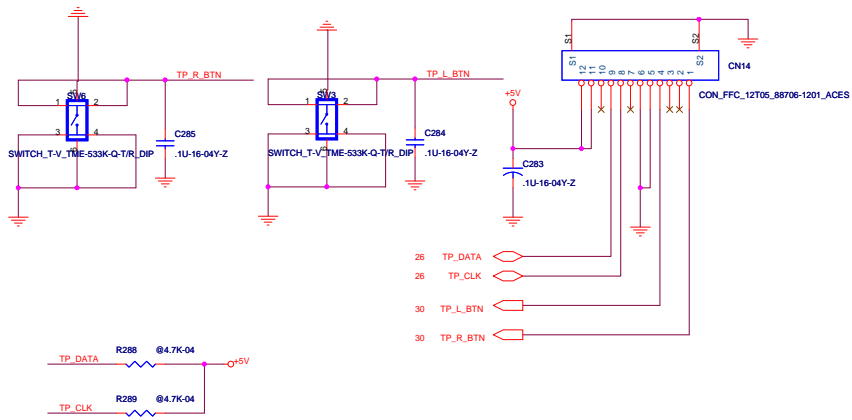


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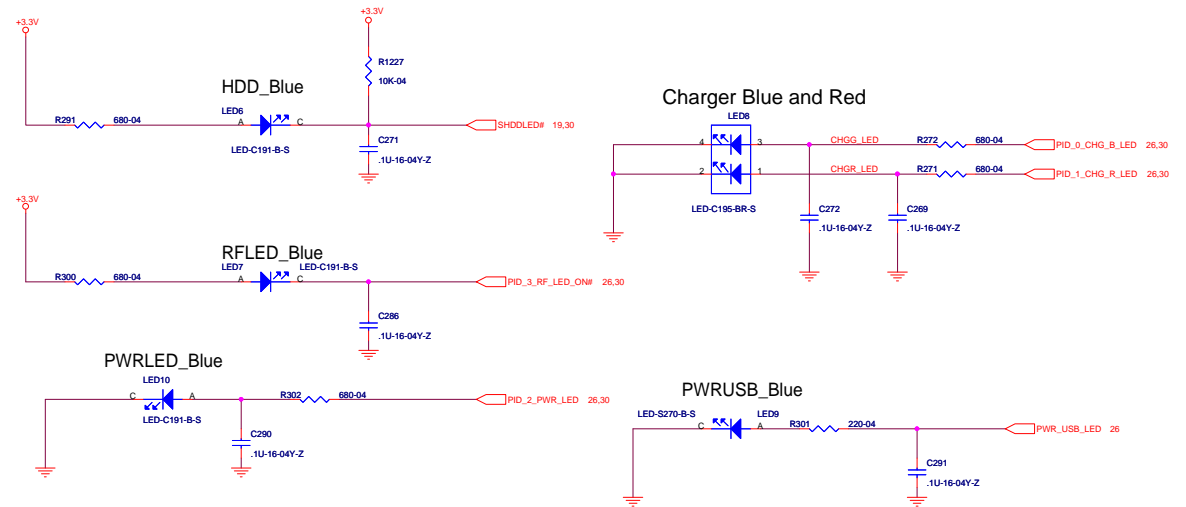
CODEC 92HD81



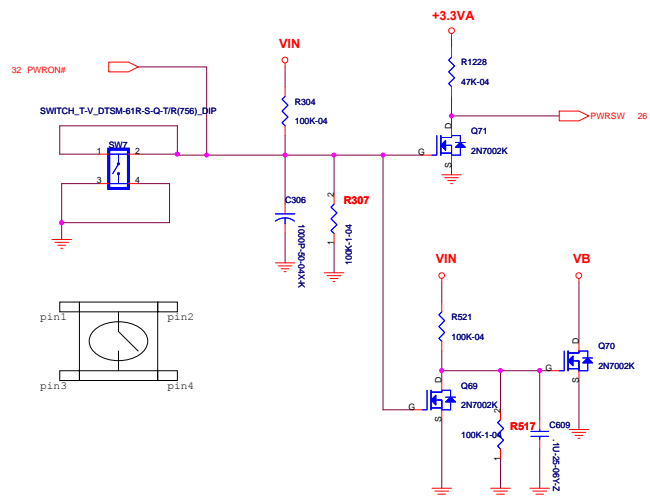
Touch Pad



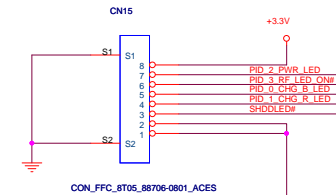
LED



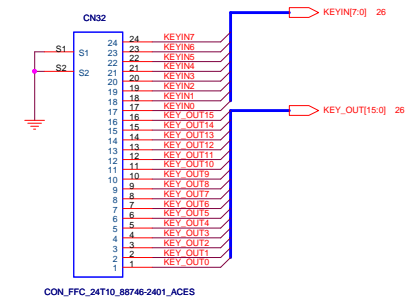
PWR SW



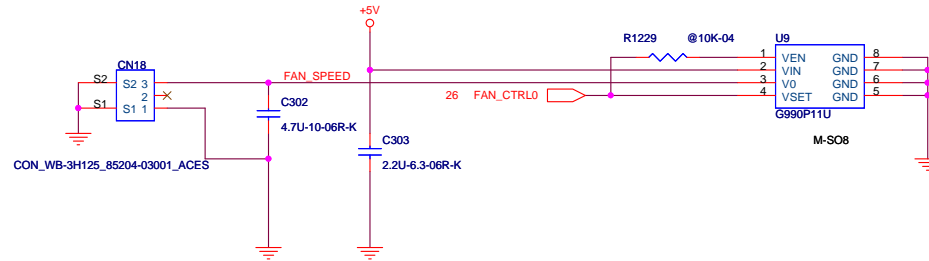
LED BD



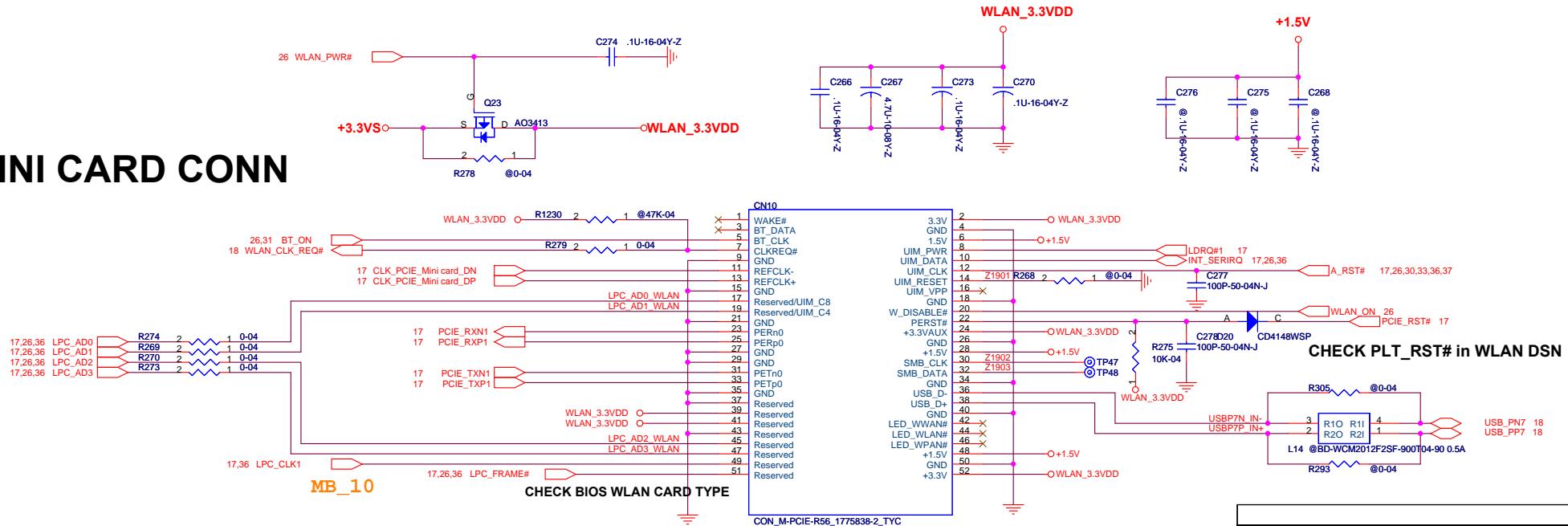
KEYBOARD Conn



FAN CONTROLLER

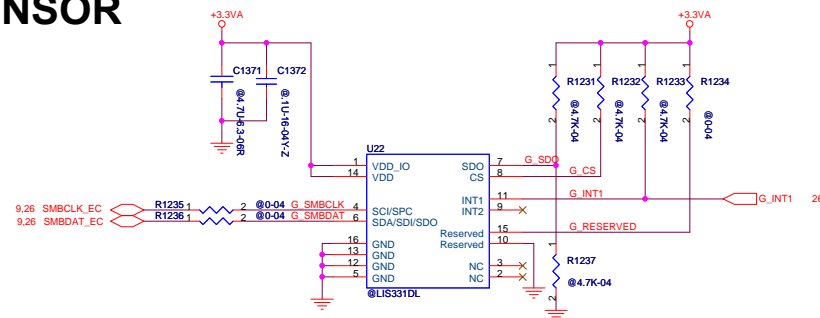


MINI CARD CONN

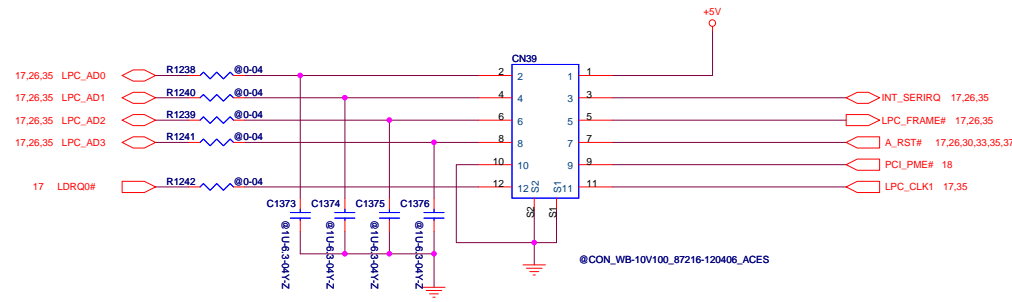


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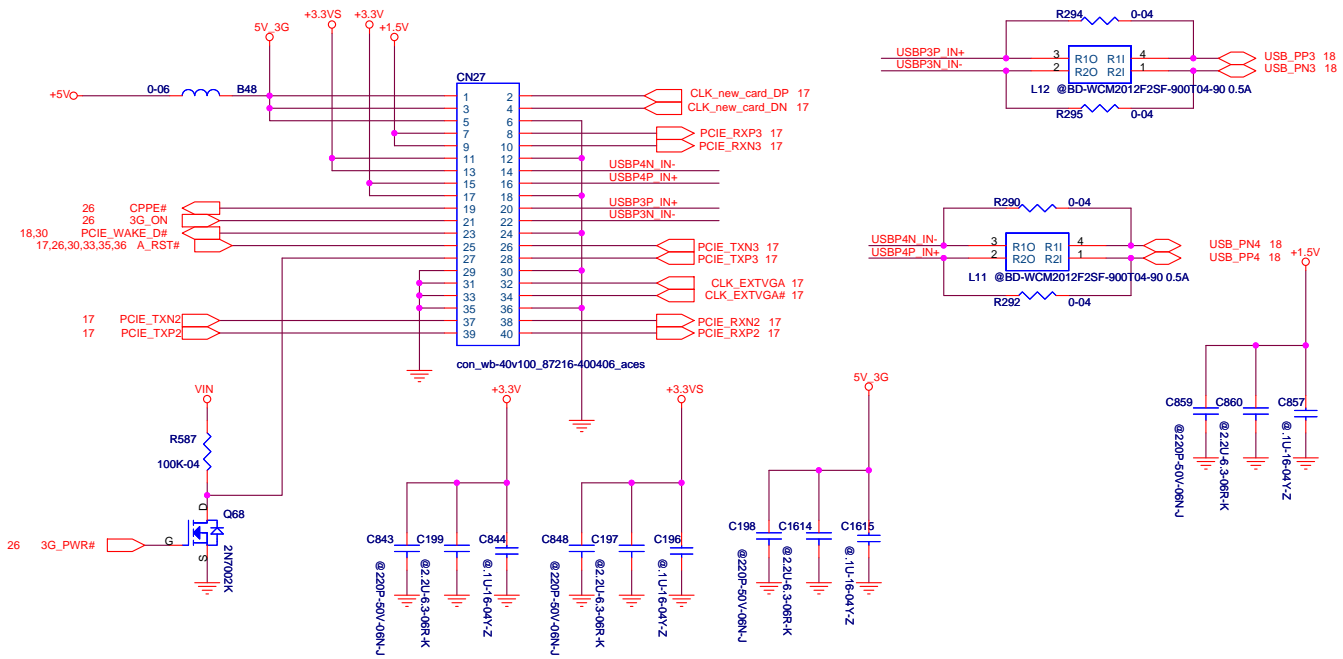
G-SENSOR

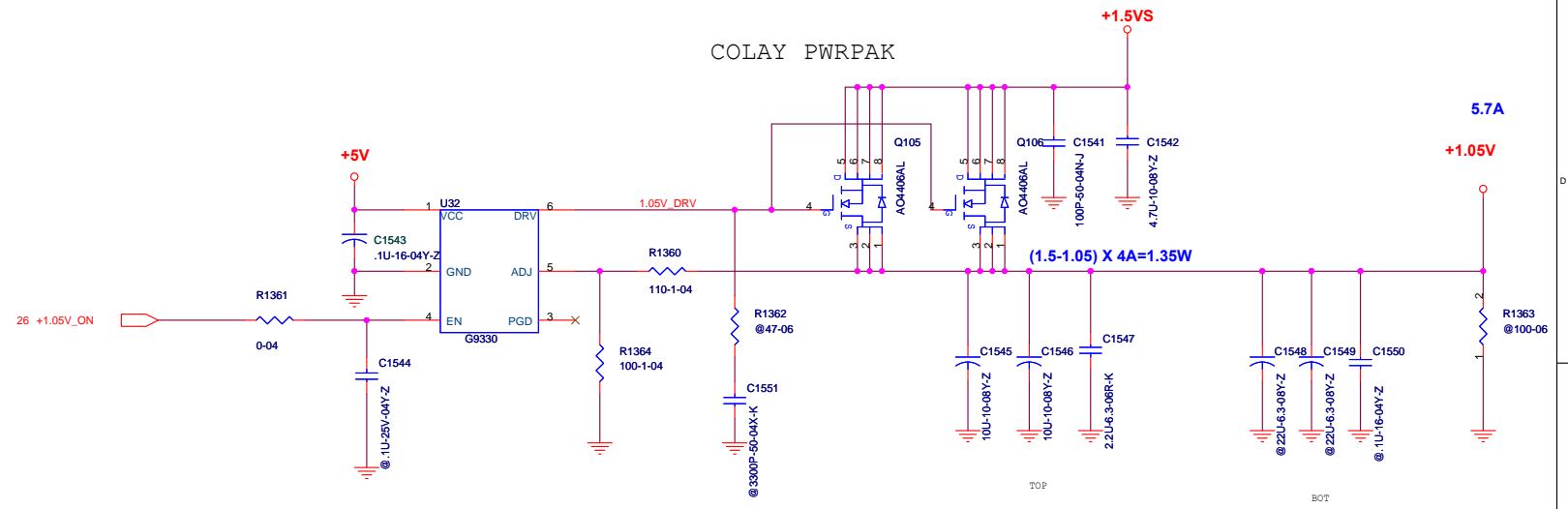


RS232



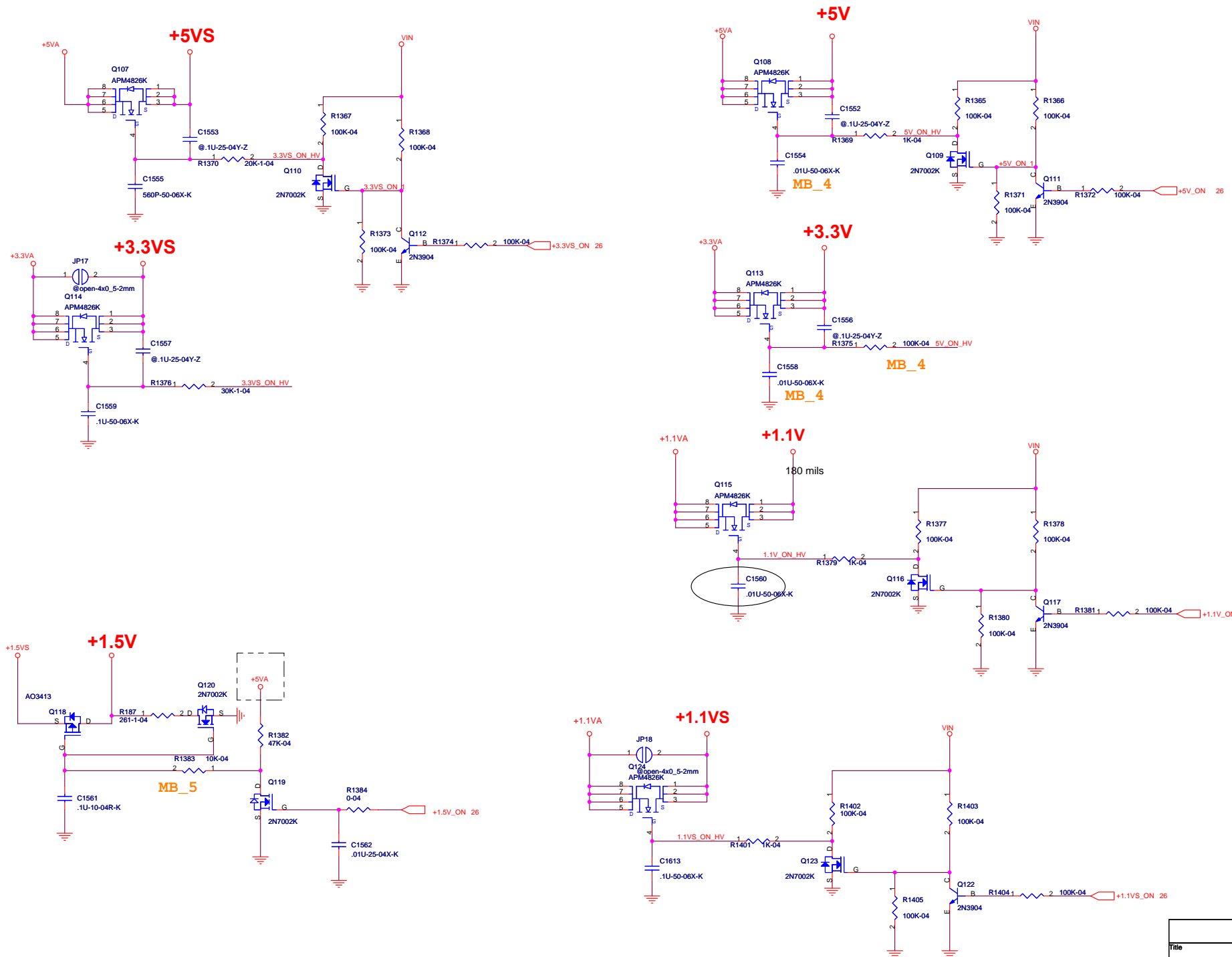
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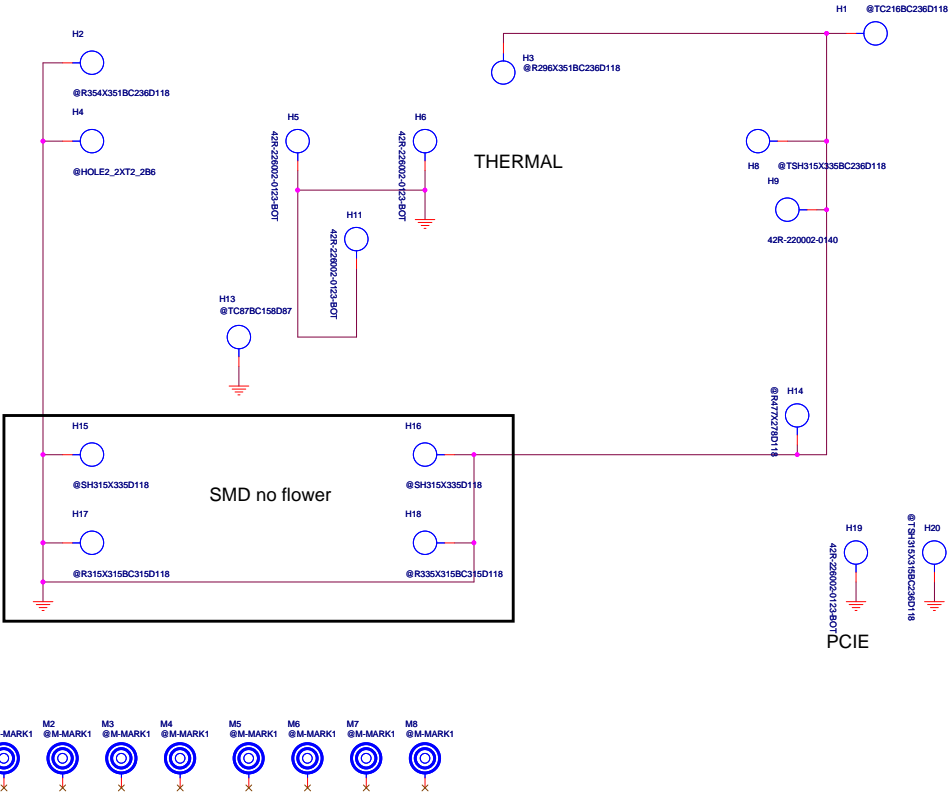


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VCCSW



Screw holes



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RB change list:

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