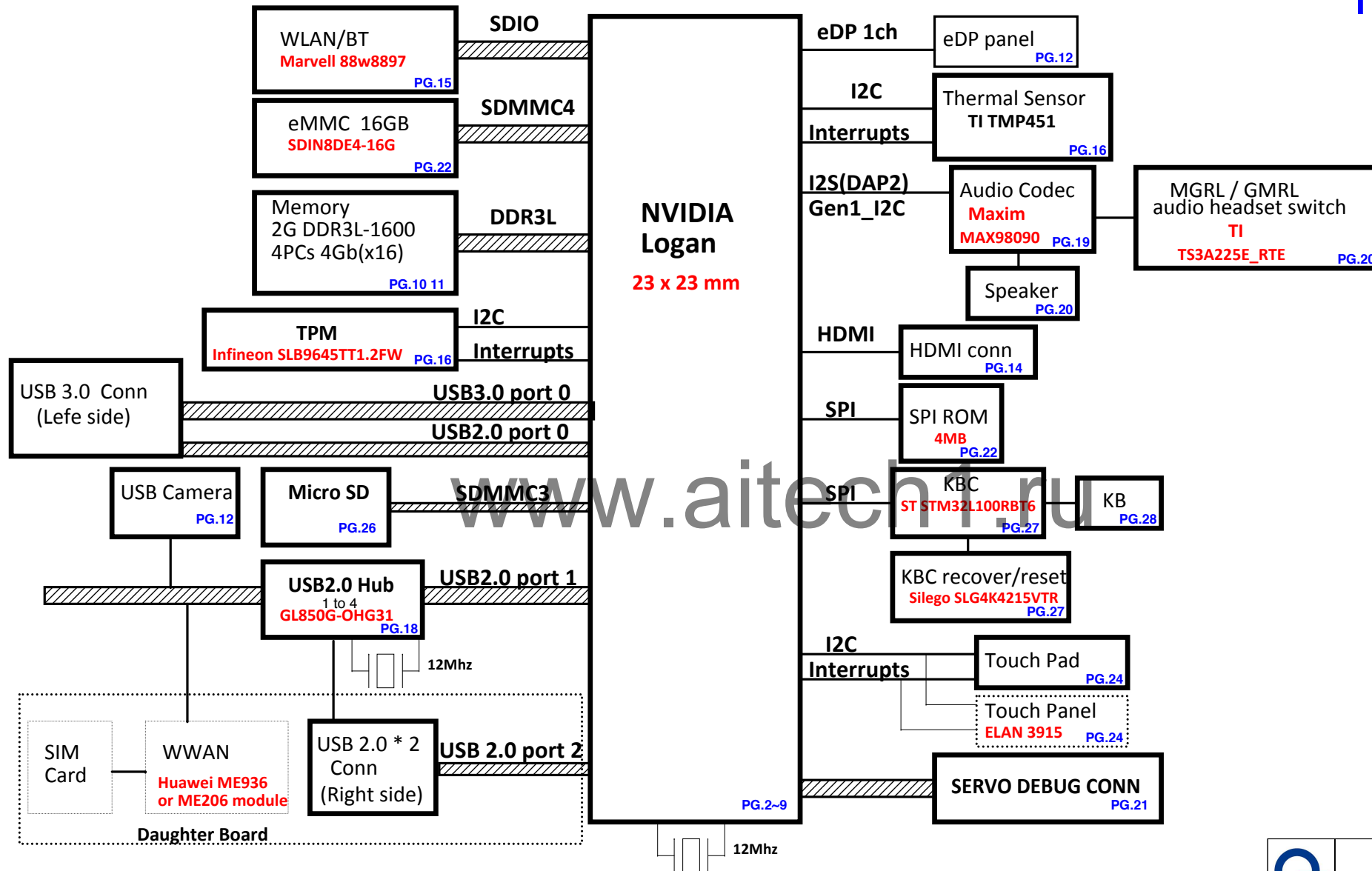
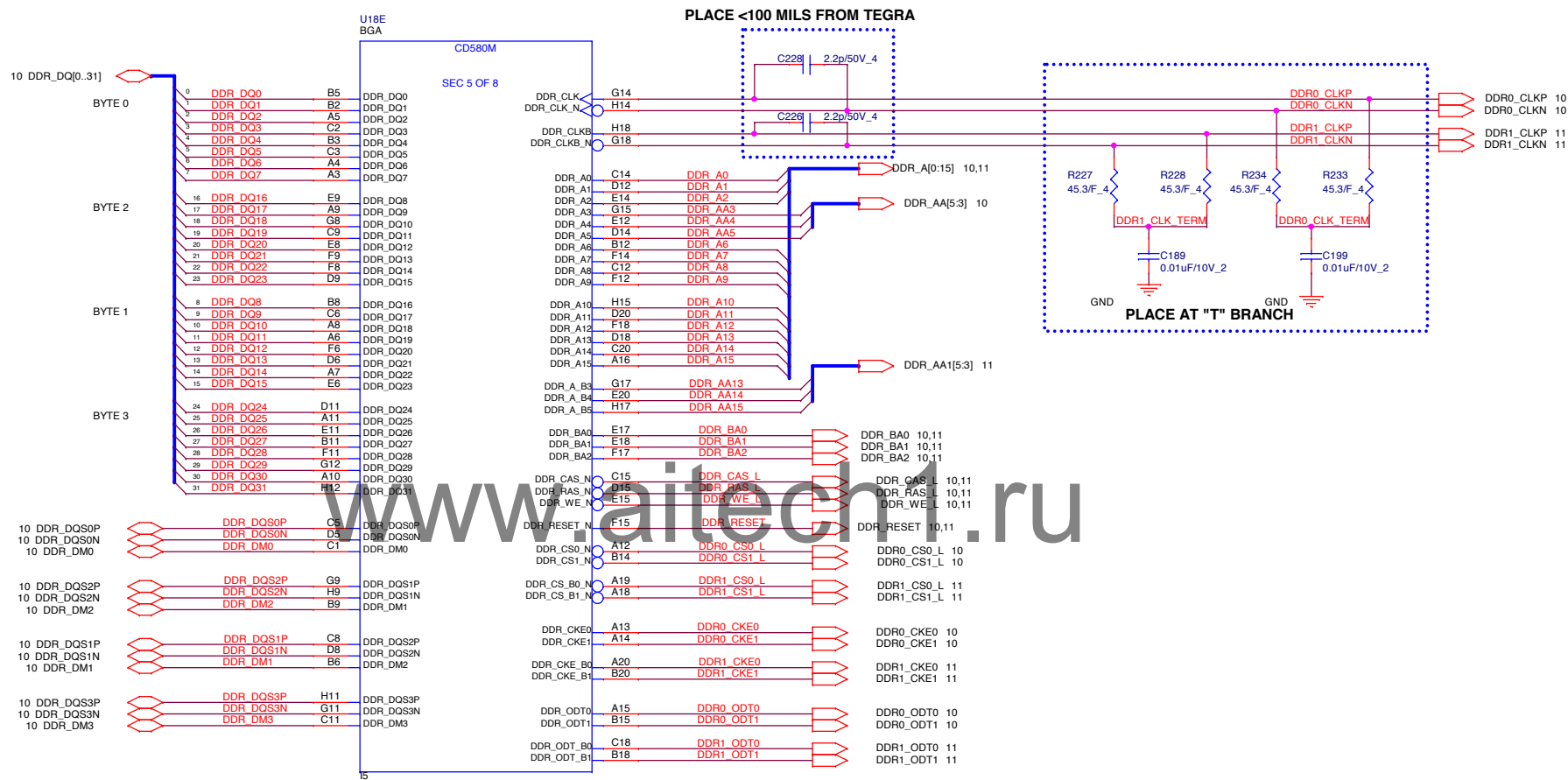


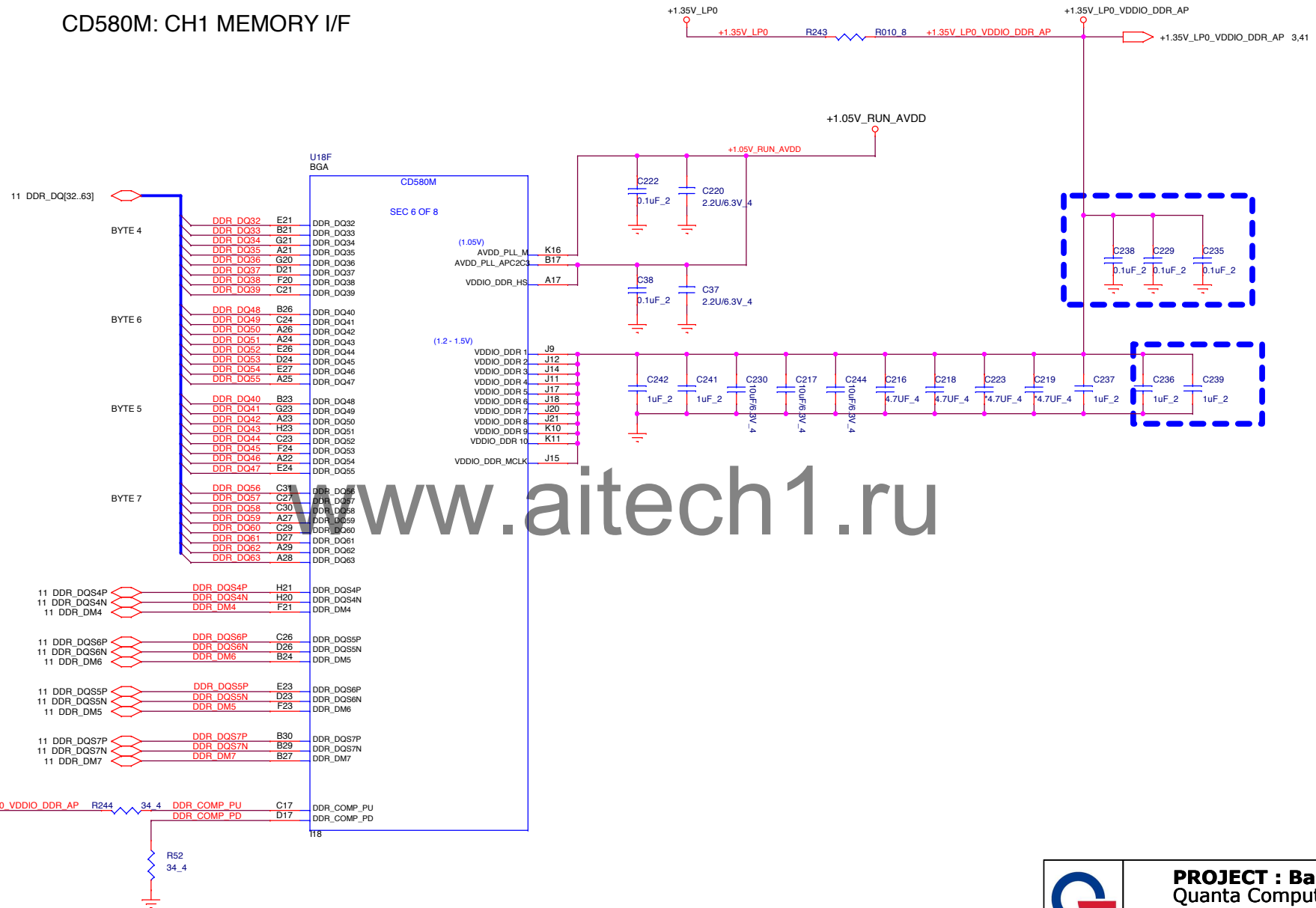
Baileys Tegra5 Logan Platform Block Diagram

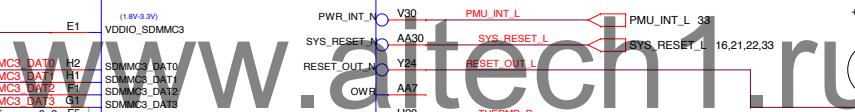
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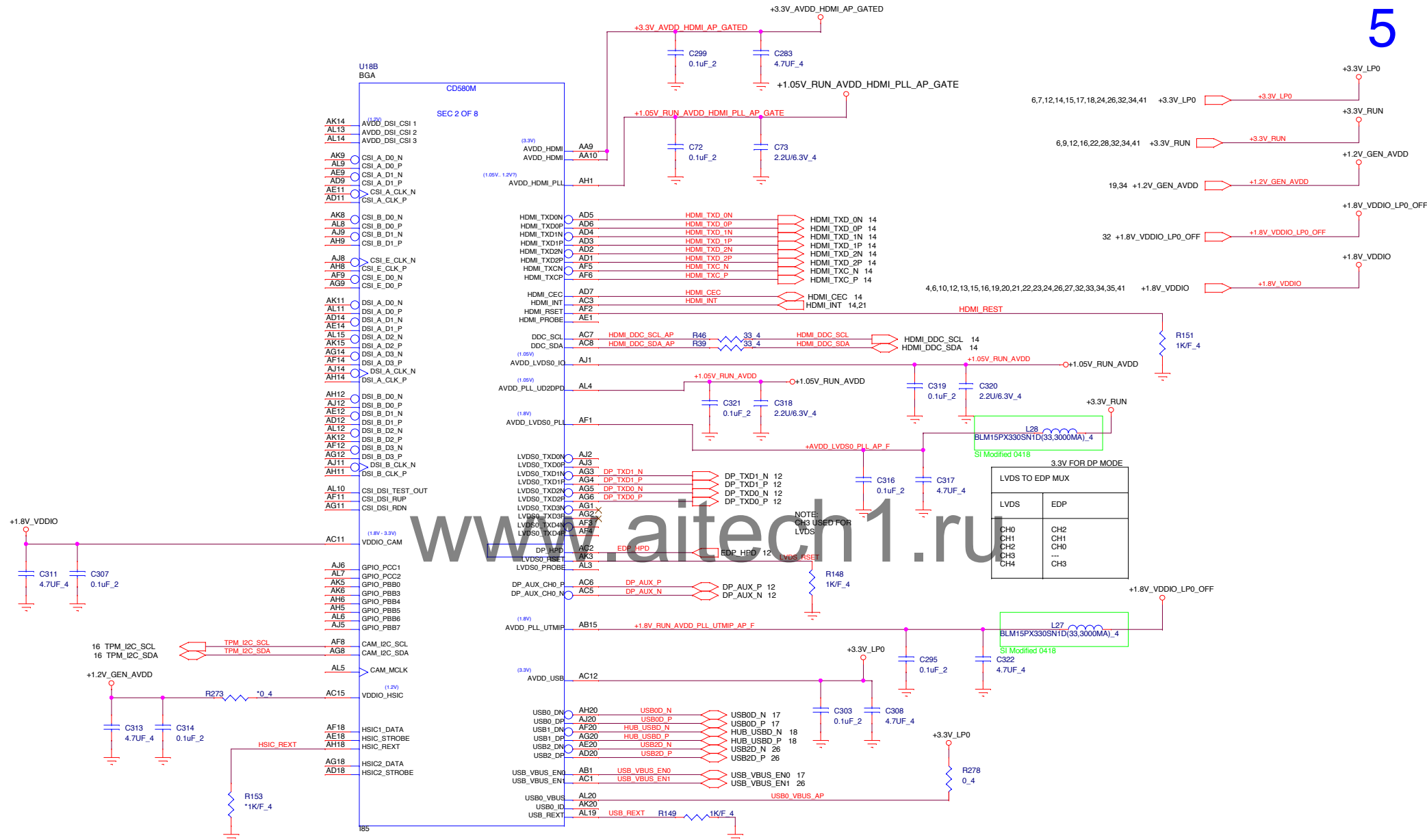




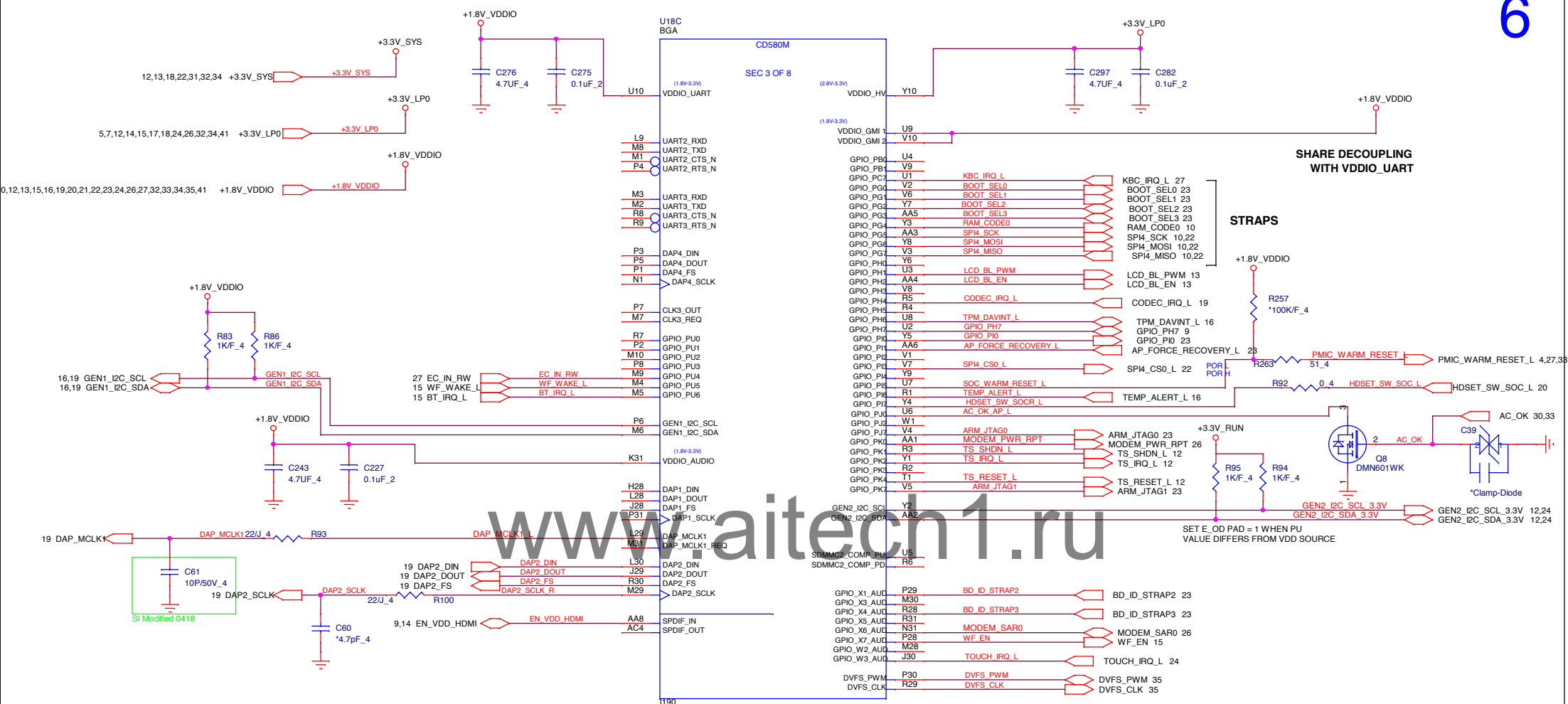
CD580M: CH1 MEMORY I/F

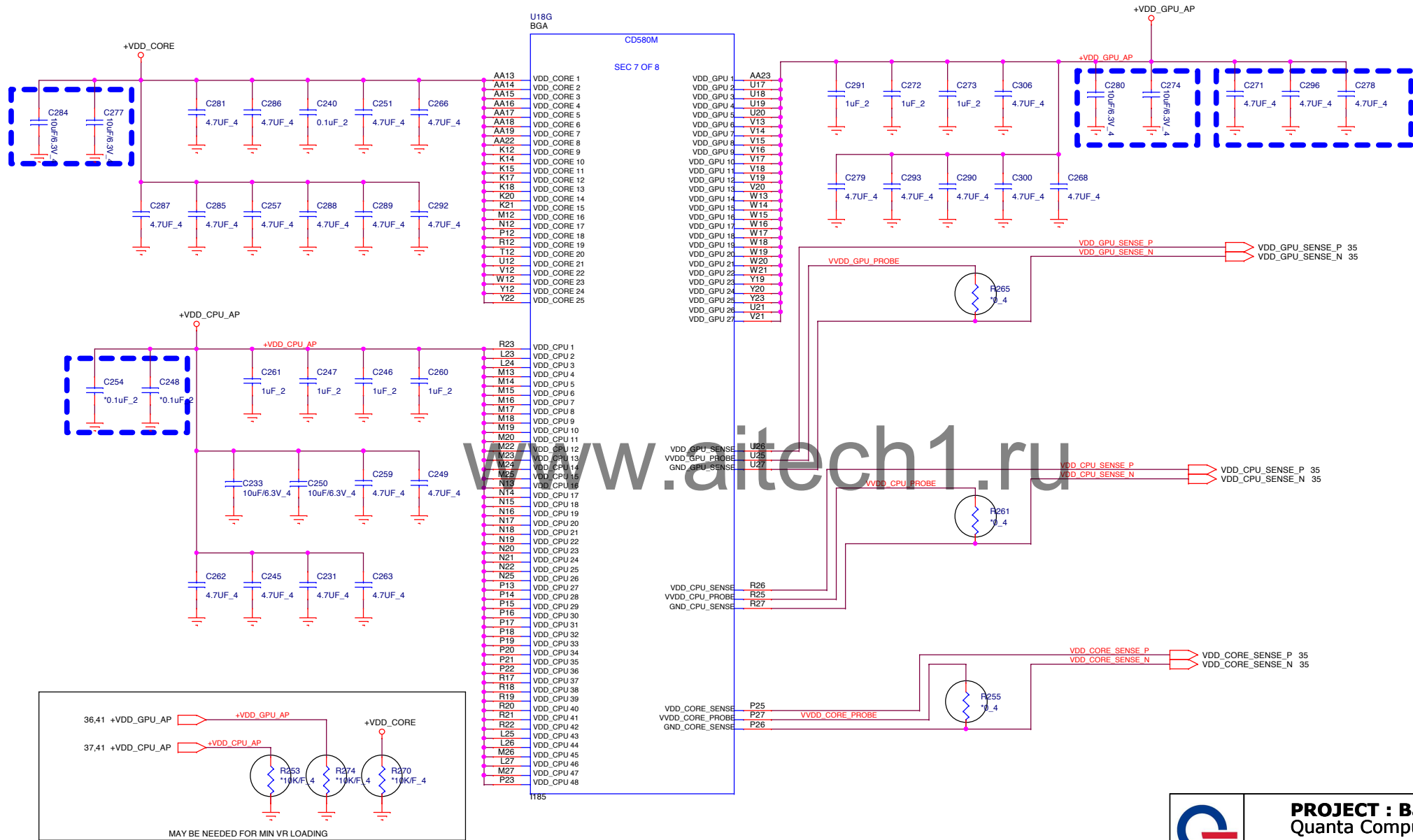


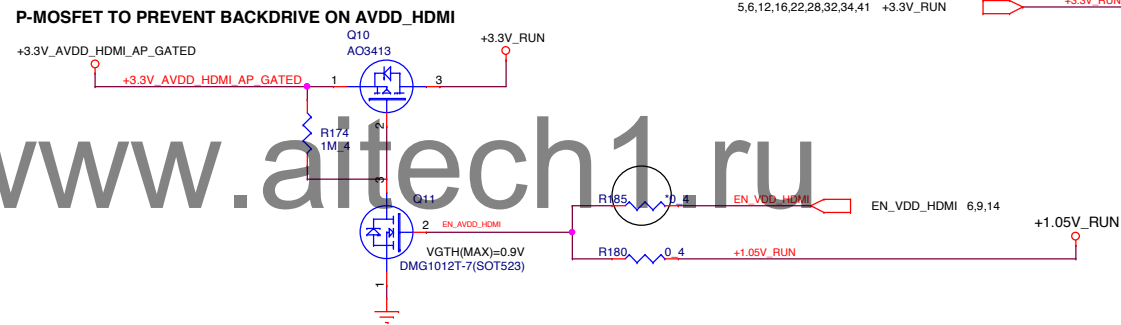
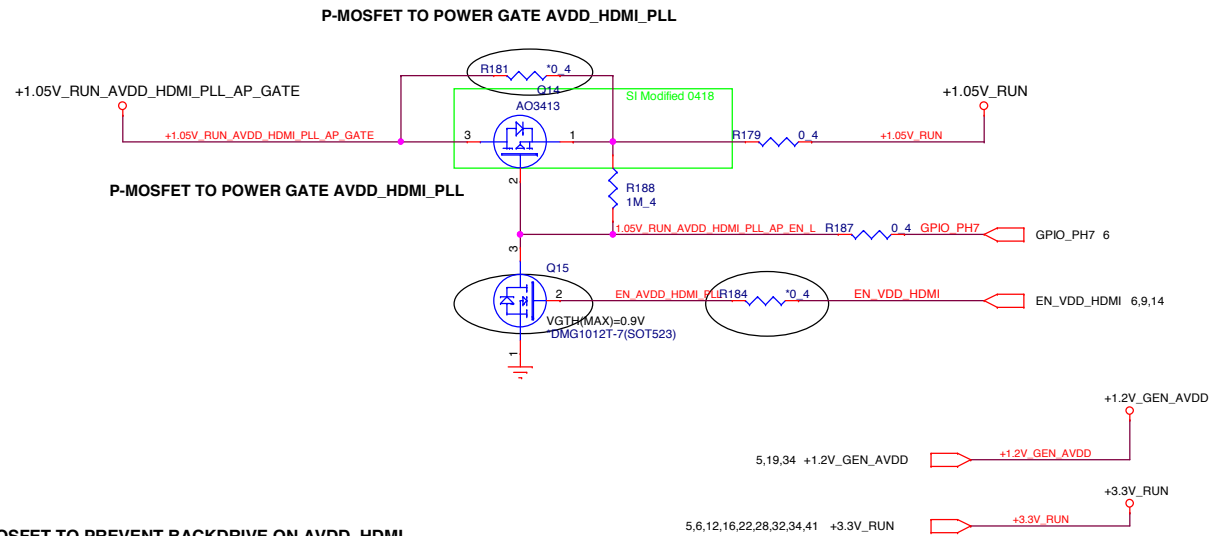
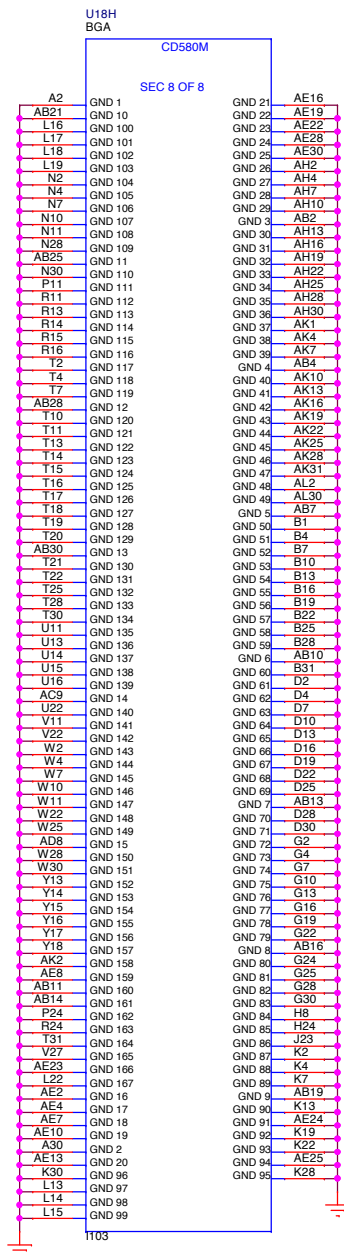




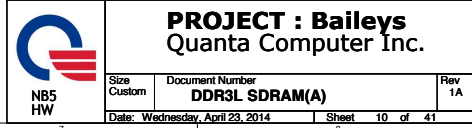
CAD NOTE:
PLACE NEAR TEGRA

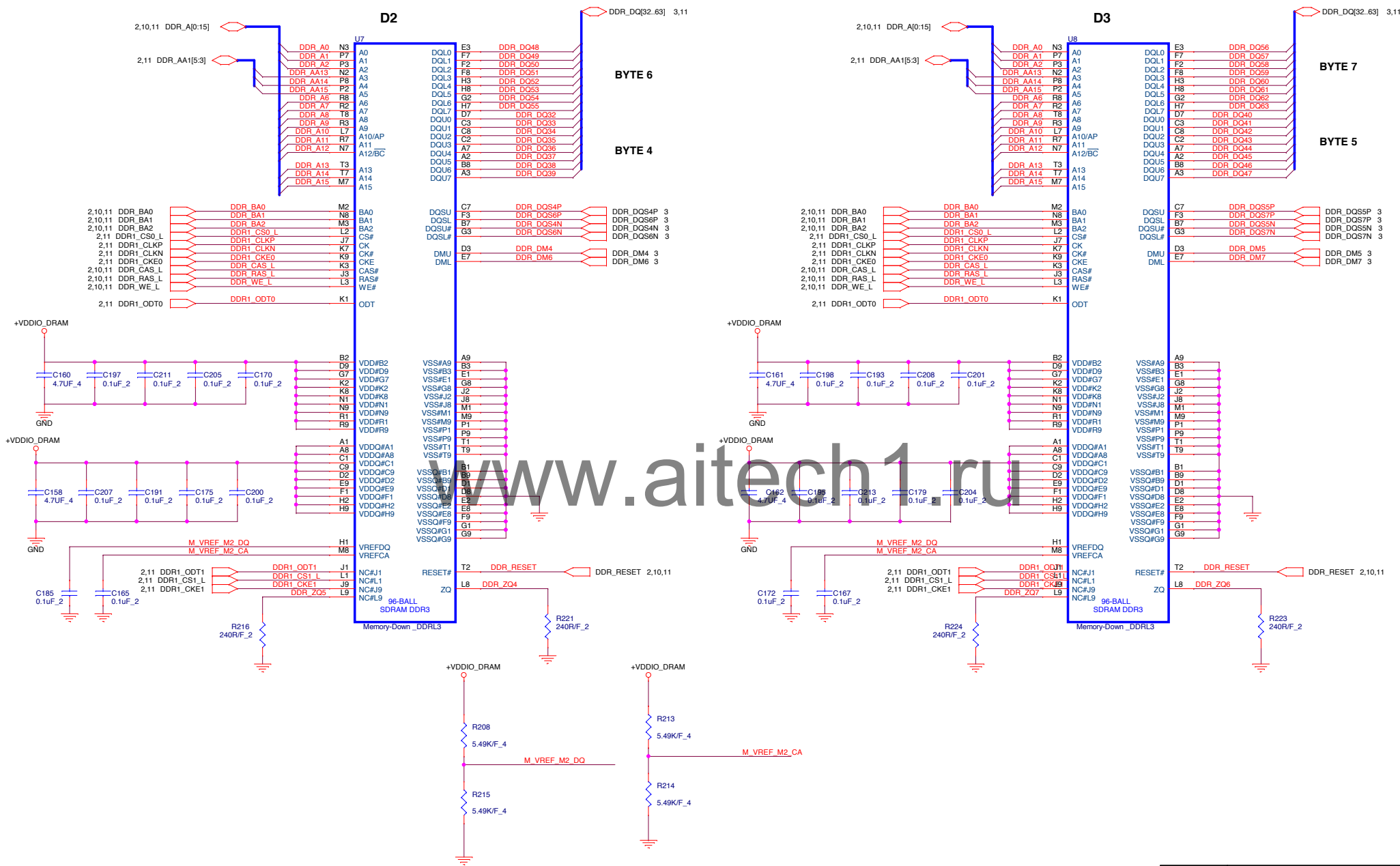




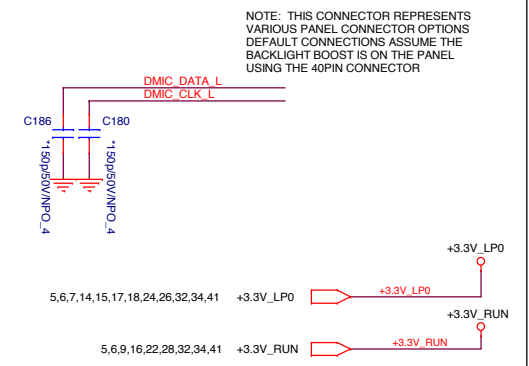
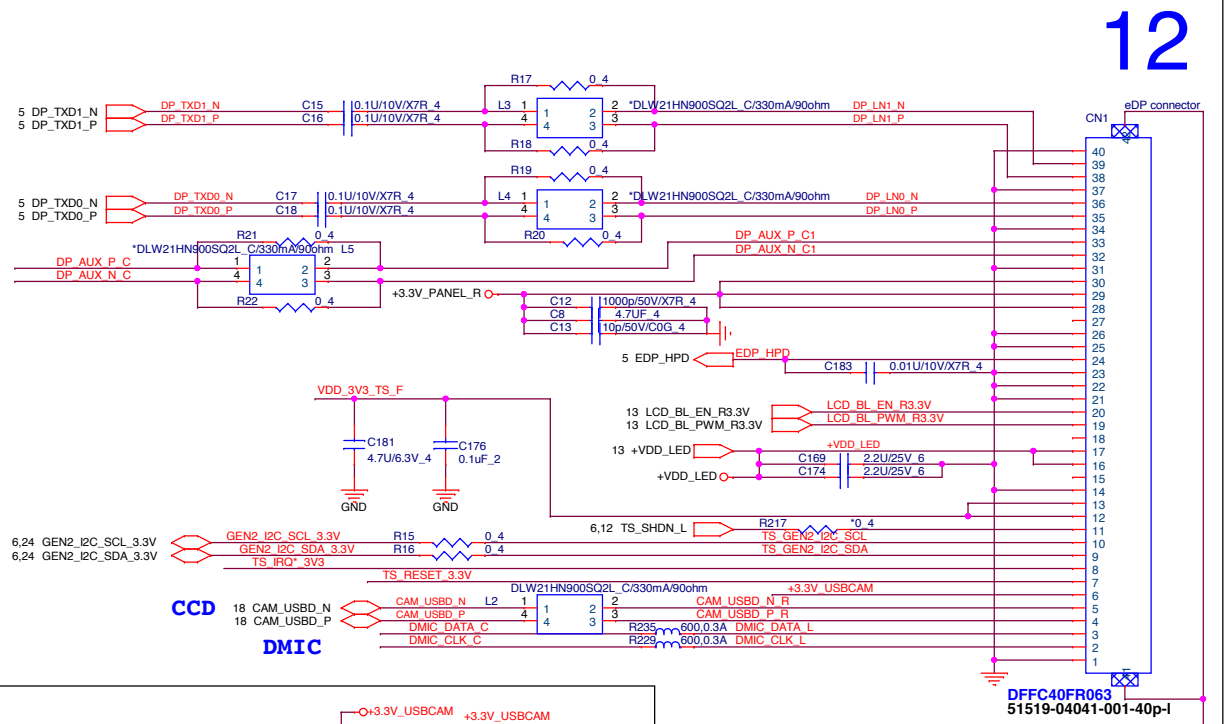
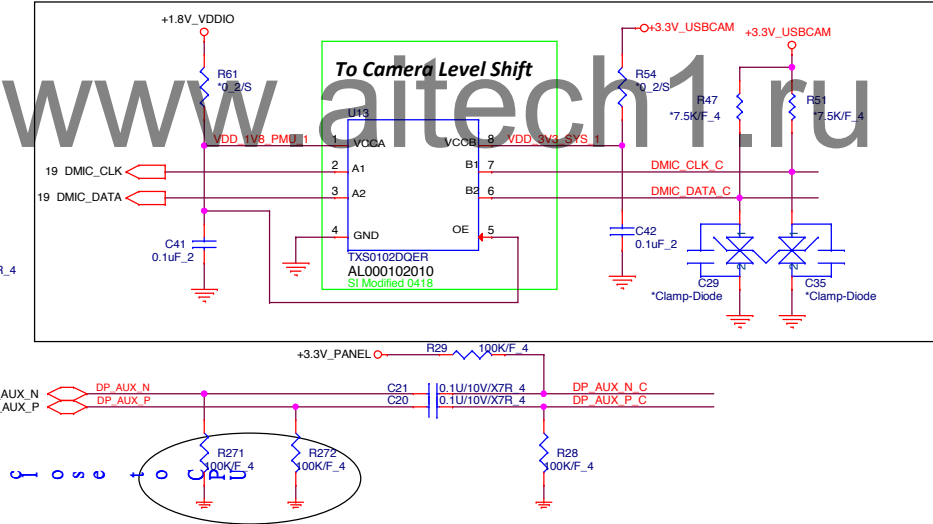
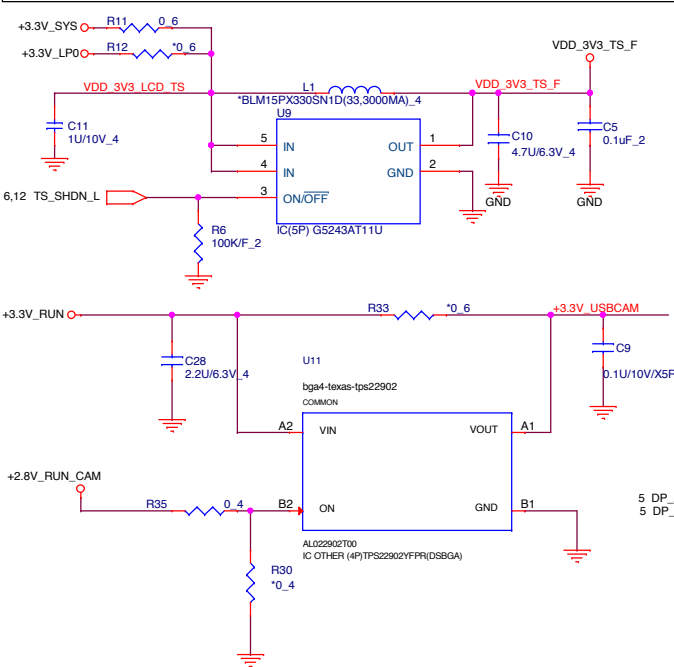
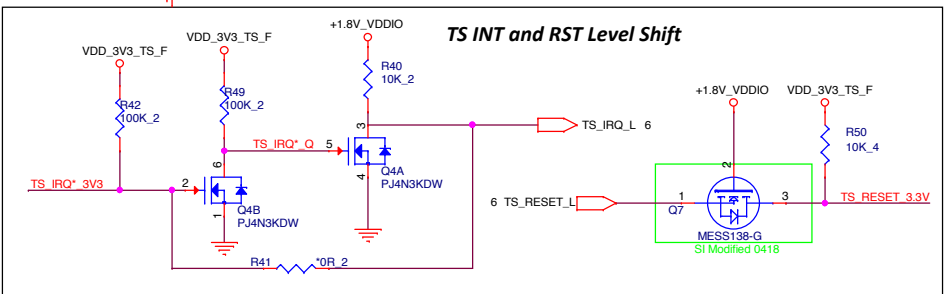
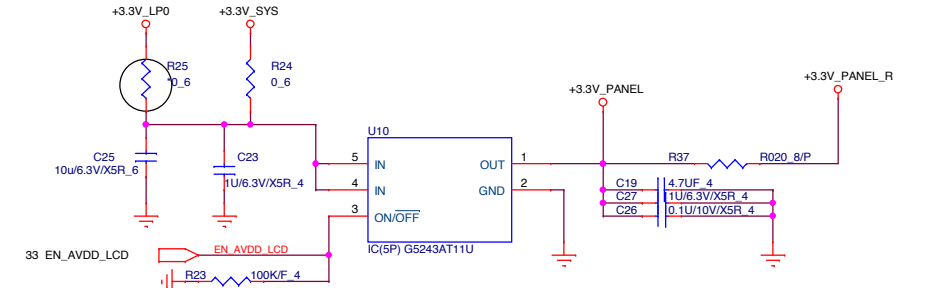


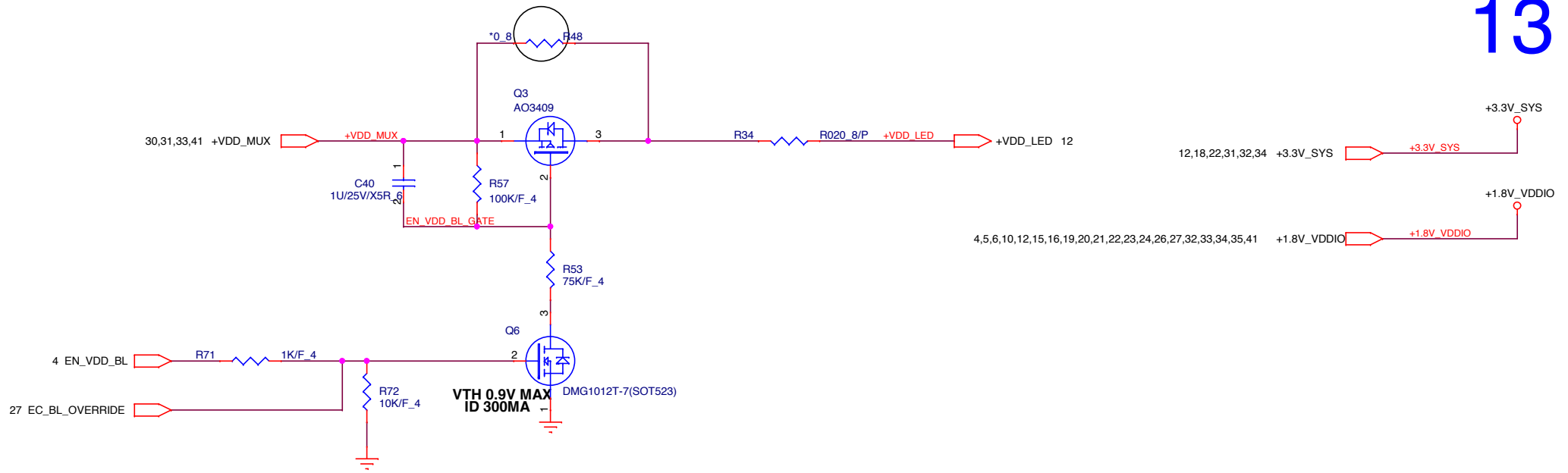
ADD HEATSINK AND HEATSINK MOUNT HERE



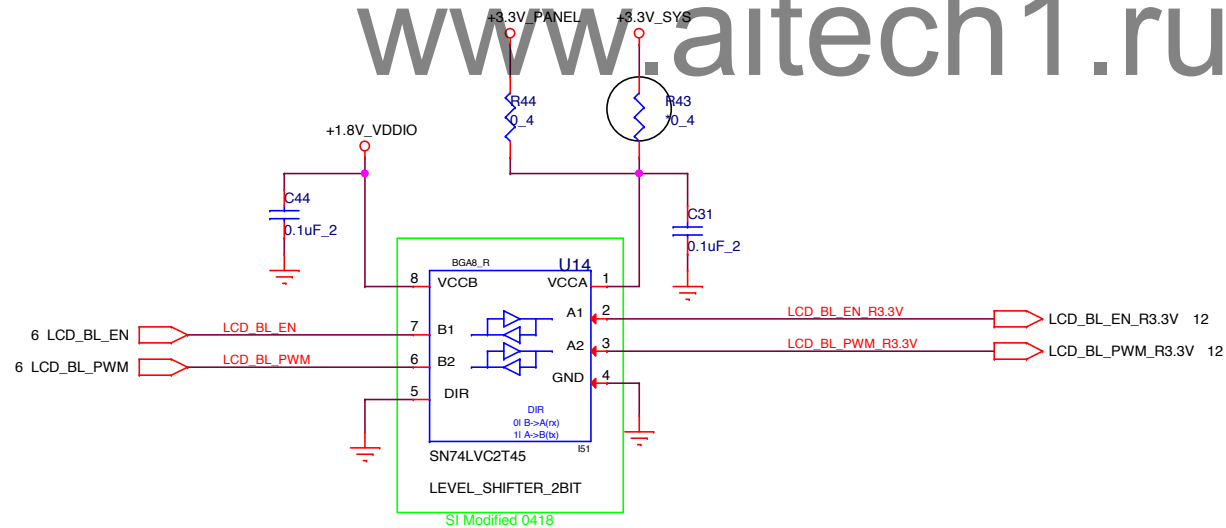


3,10,34,35,41 +1.35V_LP0



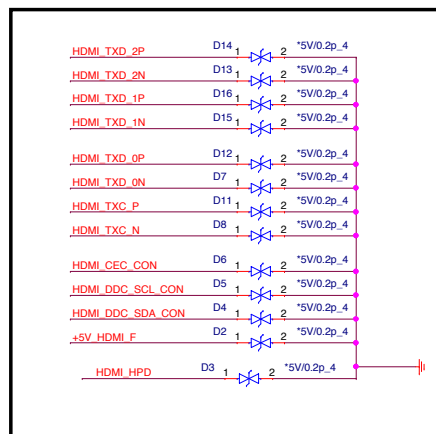


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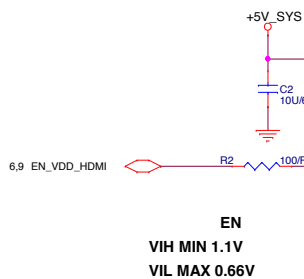
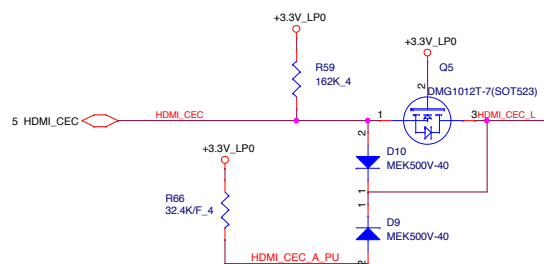


**PROJECT : Baileys
Quanta Computer Inc.**

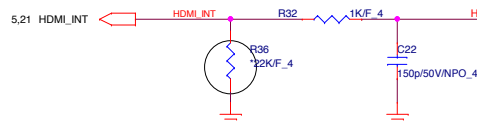
Size	Document Number	Rev
	BACKLIGHT MISC AND GATE	
Date: Wednesday, April 23, 2014	Sheet 13 of 41	



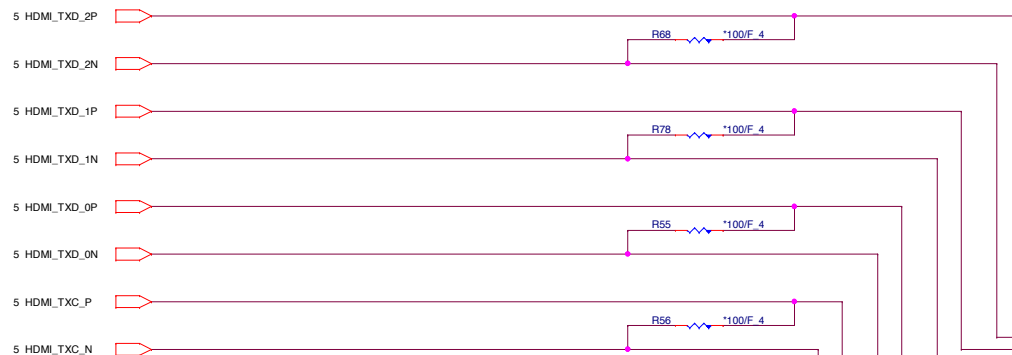
靠近HDMI CONNECTOR(CN7)



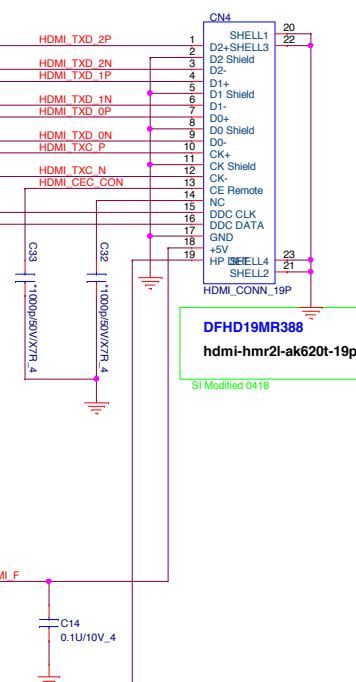
HDMI-detect (HDM)



EMI (EMC)



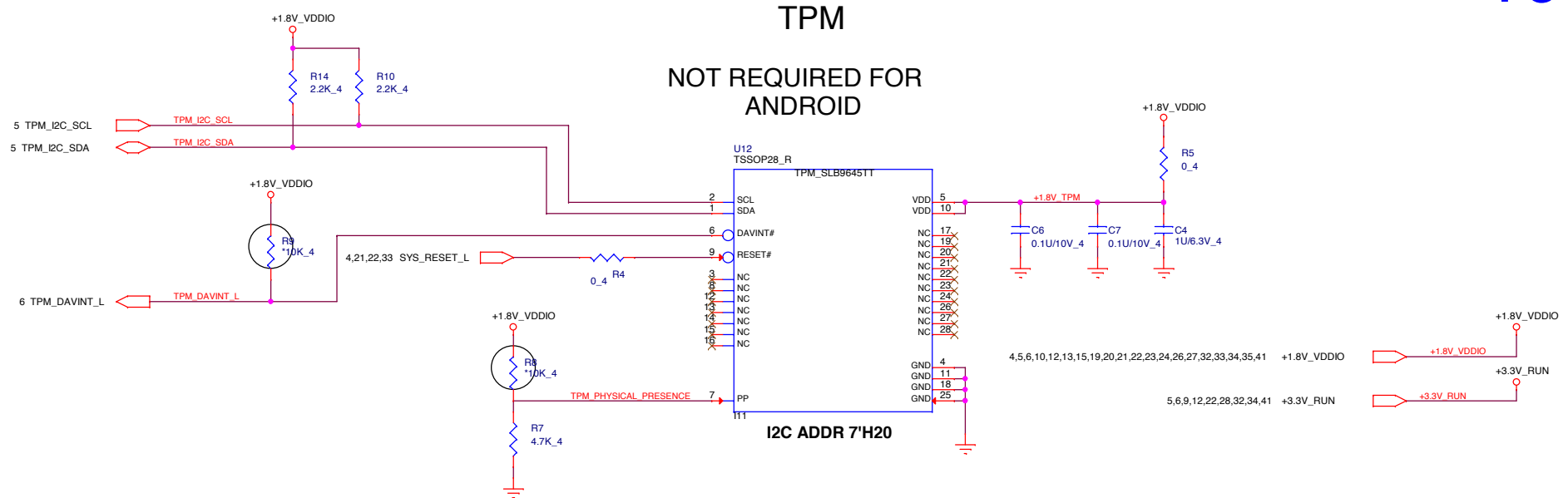
HDMI connector (HDM)



**PROJECT : Baileys
Quanta Computer Inc.**

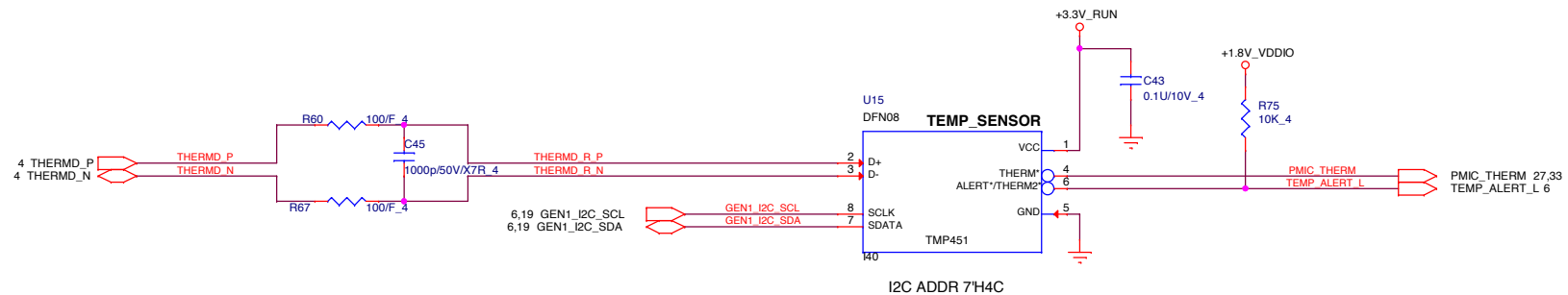
Size	Document Number	Rev
NB5 HW	HDMI CONNECTOR	
Date: Wednesday, April 23, 2014	Sheet 14 of 41	

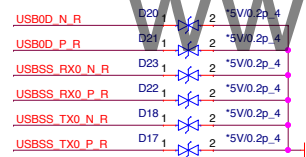
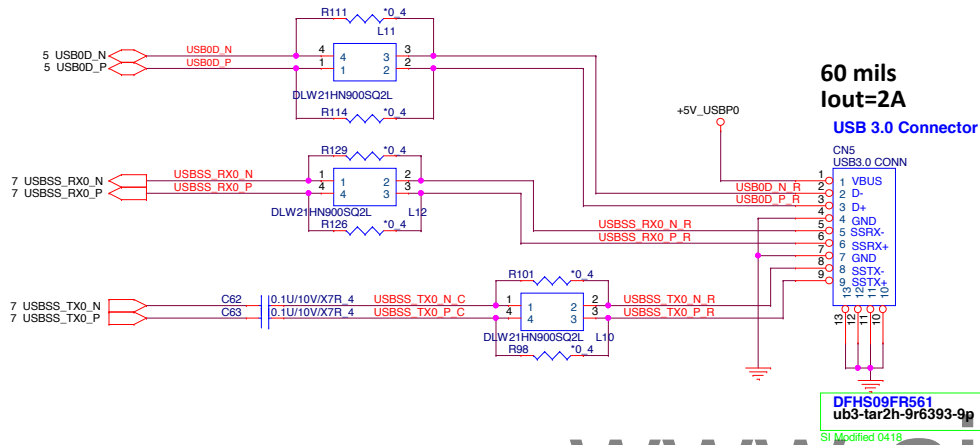
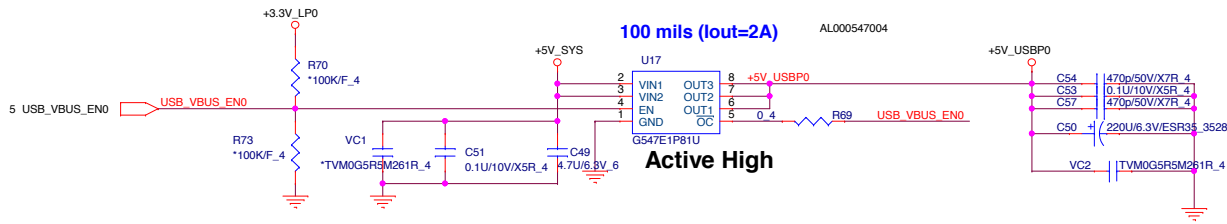





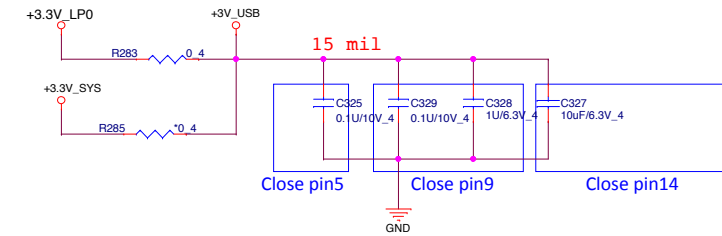
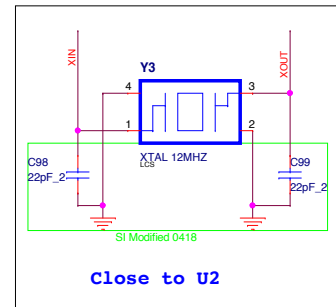
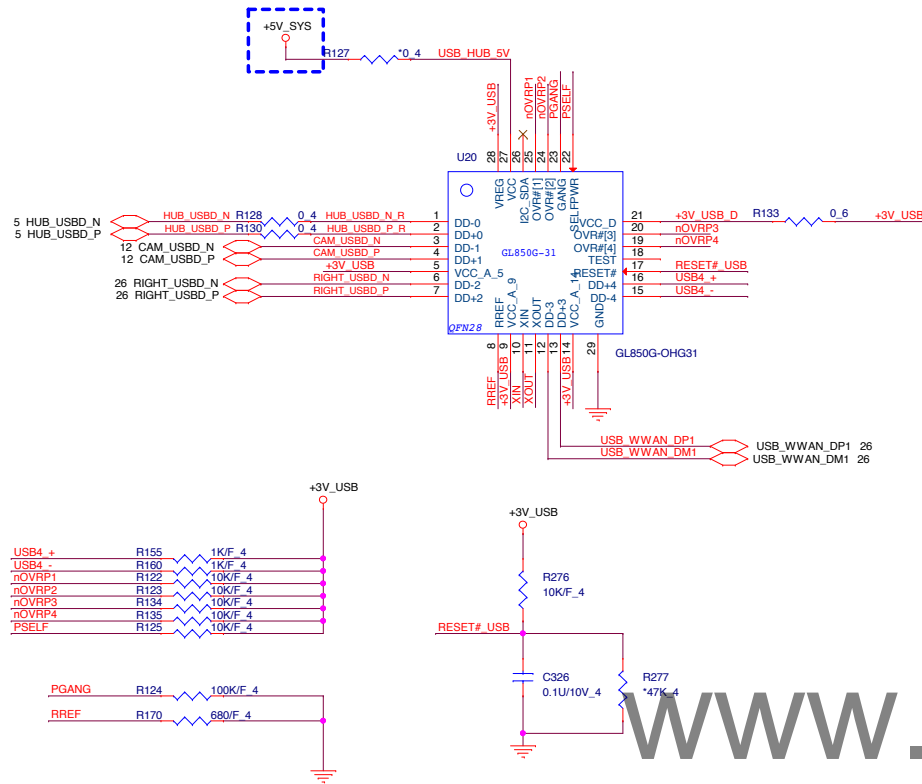
www.aitech1.ru

TEMP SENSOR






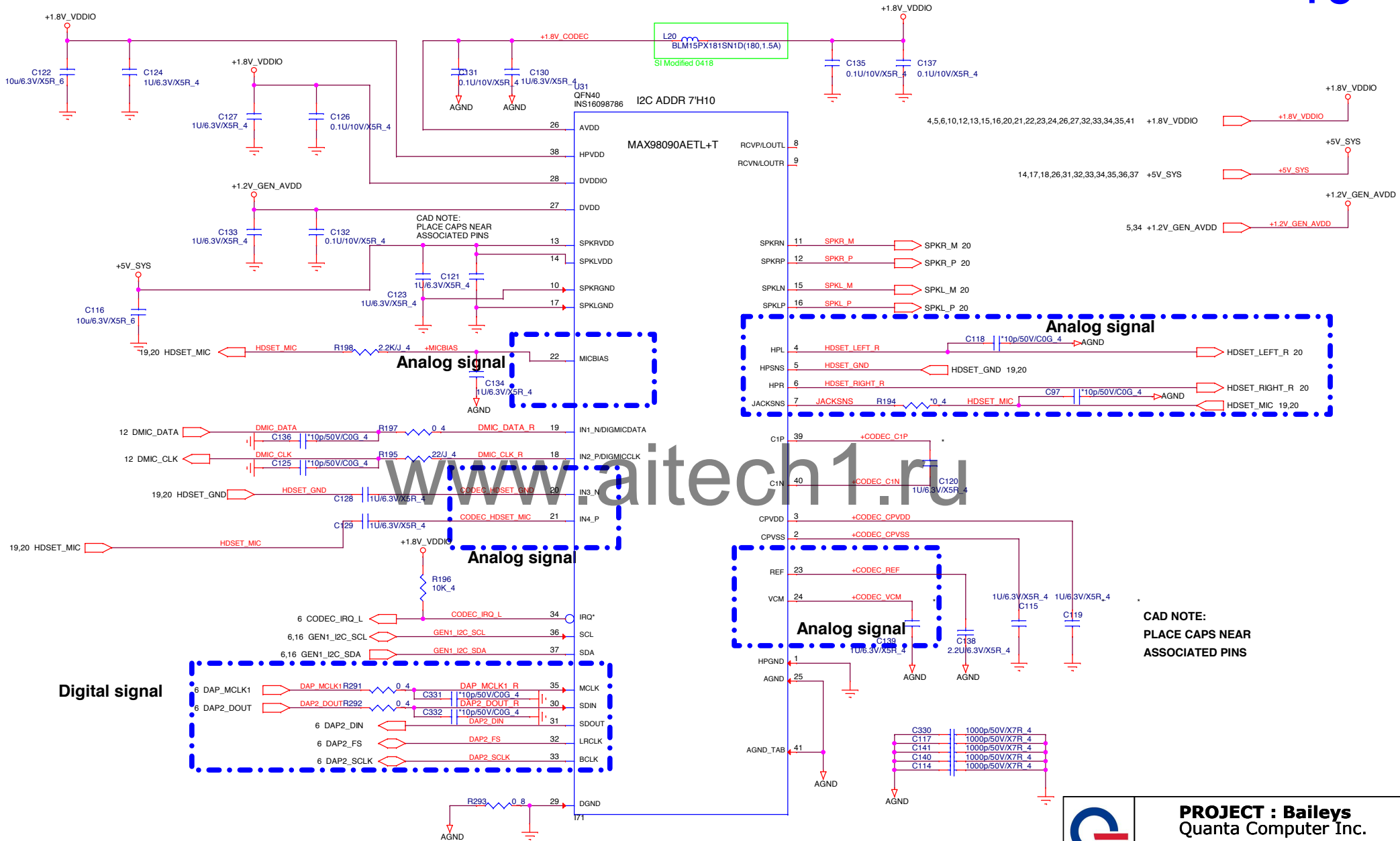
 NBS HW	PROJECT : Baileys Quantas Computer Inc.		
	Size Custom	Document Number TPM & TEMP SENSOR	Rev 1A
	Date: Wednesday, April 23, 2014 Sheet 17 of 41		

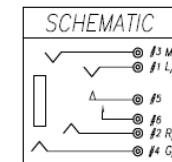
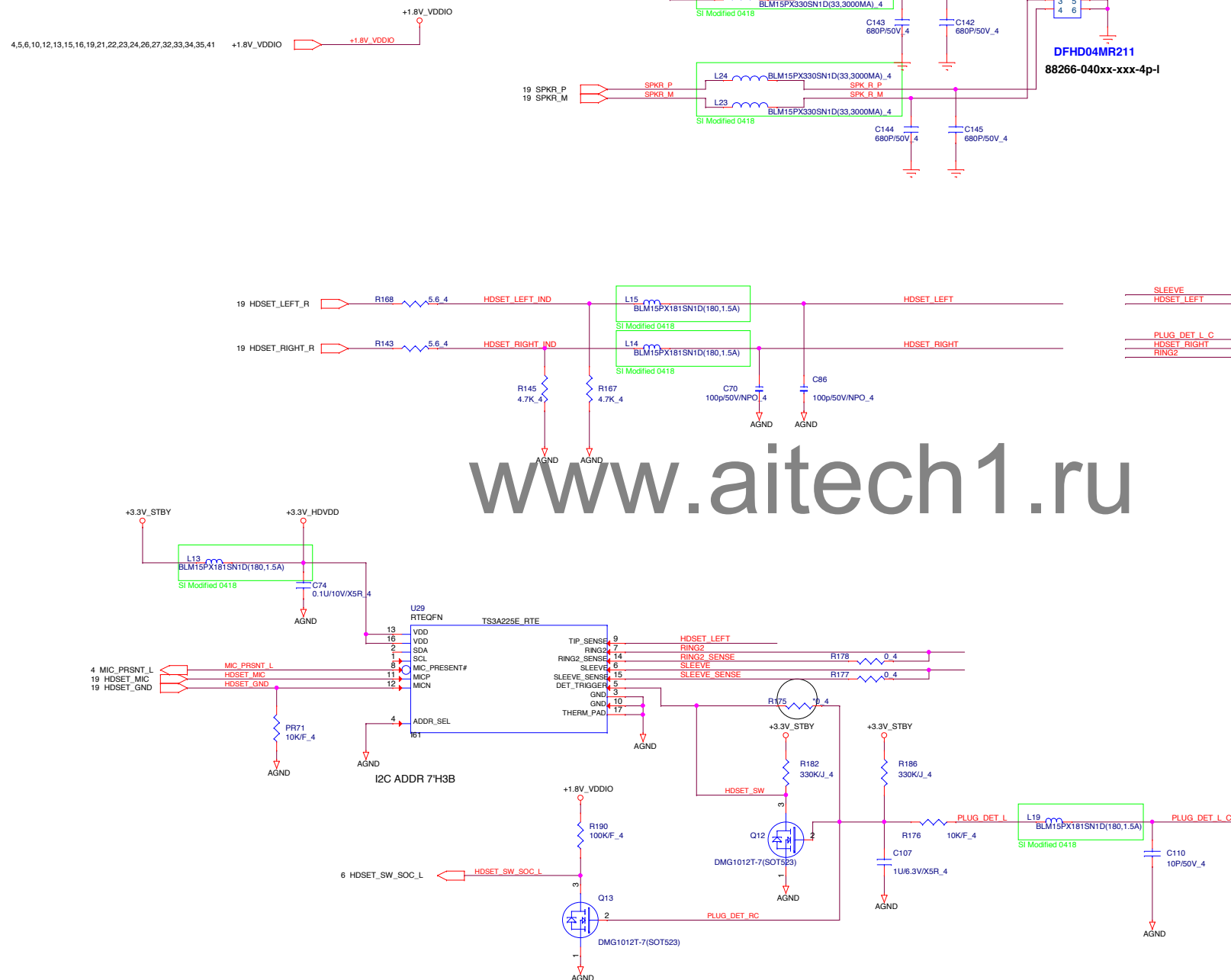


www.aitech1.ru

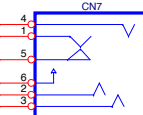
14,17,19,26,31,32,33,34,35,36,37 +5V_SYS

	PROJECT : Baileys Quanta Computer Inc.		
	Size Custom	Document Number USB Hub GL850	Rev 1A
	Date: Wednesday, April 23, 2014	Sheet 18	of 41





Audio Jack



phjk-2s/9072-103111f-6p

DF-TJ06FR648

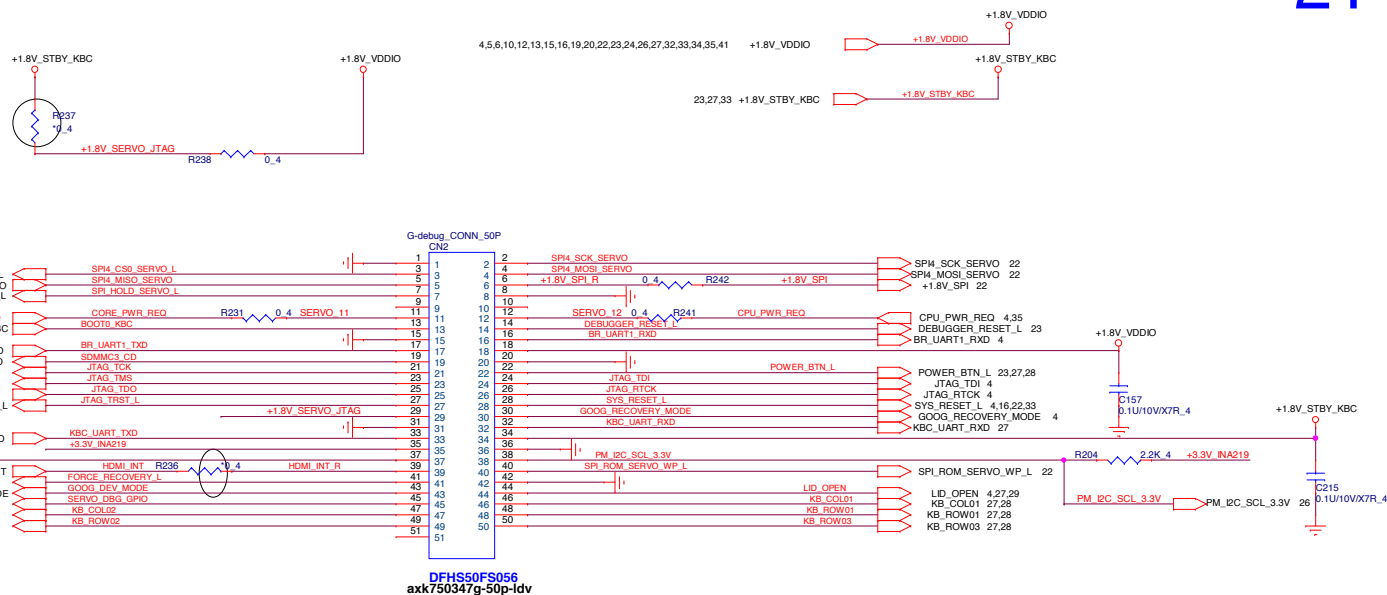
SI Modified 0418

PIN4 --> MIC
 PIN5 --> AGND
 PIN2 --> R
 PIN1 --> L
 PIN3 --> TRANSFER
 PIN6 --> HPD



PROJECT : Baileys
Quanta Computer Inc.

Size Custom	Document Number AUDIO SWITCH/SPK	Rev 1A
Date: Wednesday, April 23, 2014	Sheet 20	of 41



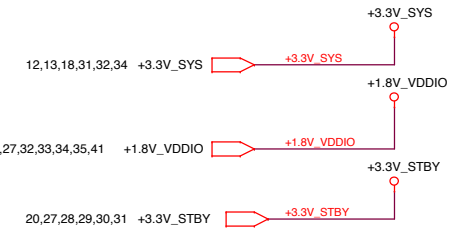
DFHS50FS056
axk750347g-50p-ldv

Google DEBUG CONNECTOR

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I/O voltage:1.7-1.95v or 2.7-3.6v

iNAND (eMMC) V4.51				Description
TOPBSQ	QBCON		SIZE	
AKE3RZ-T106	AKE3RZ-T107	IC FLASH(153P) SDIN8DE4-16G TOP BSQ	16G/*X*mm	Sandisk
AKE3SZ-T100	AKE3SZ-T101	IC FLASH(153P) SDIN8DE4-32G(BGA)TOPBSQ	32G/*X*mm	Sandisk
AKE3TZ-T100	AKE3TZ-T101	IC FLASH(153P) SDIN8DE4-64G(BGA)TOPBSQ	64G/*X*mm	Sandisk
AKE5RF0T501	AKE5RF0T500	IC FLASH(153P)KLMAG2GEAC-B001 TOPBSQ	16G/*X*mm	Samsung
AKE5SZ0T503	AKE5SZ0T500	IC FLASH(153P)KLMBG4GEAC-B001 TOPBSQ	32G/*X*mm	Samsung
AKE3TZPT507	AKE3TZPT508	IC FLASH(153P)KLMCG8GEAC-B001(FBGA)TOPBSQ	64G/*X*mm	Samsung
AKE3RZPTW06	AKE3RZPTW07	IC FLASH(169P) H26M52003EQR TOP BSQ	16G/*X*mm	Hynix
AKE3SZPTW09	AKE3SZPTW10	IC FLASH(169P) H26M64003DQR TOP BSQ	32G/*X*mm	Hynix
AKE34GPTW01	AKE34GPTW02	IC FLASH(169P) H26M78003BFR TOP BSQ	64G/*X*mm	Hynix



BGA 169 PIN : 12mmX16mm
BGA 153 PIN : 11.5mmX13mm

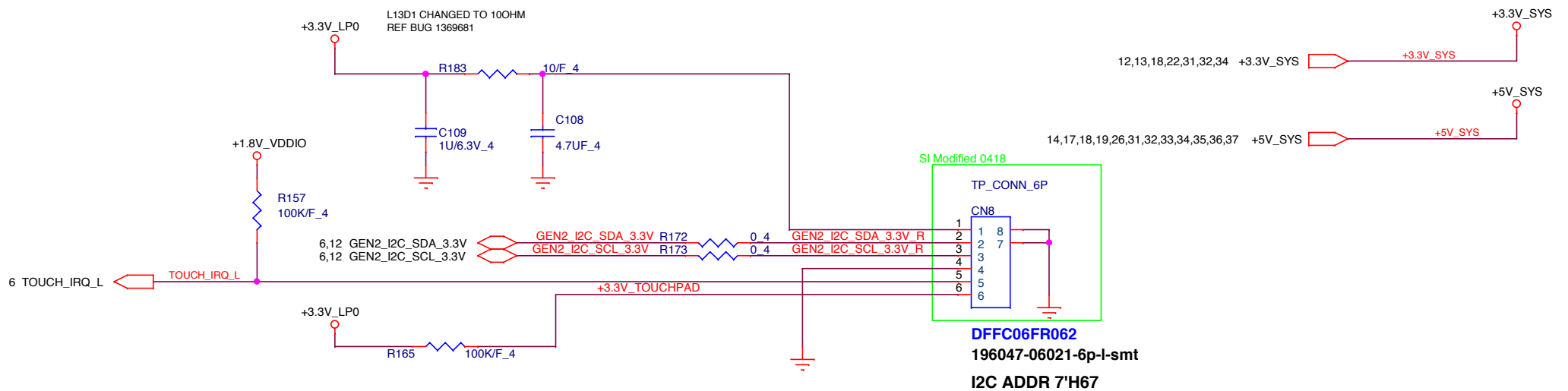
www.aitech1.ru 4,5,6,10




PROJECT : Baileys
Quanta Computer Inc.

Size Custom	Document Number EMMC,SPI ROM,MNTG HOLES	Rev 1A
Date: Wednesday, April 23, 2014		Sheet 22 of 41

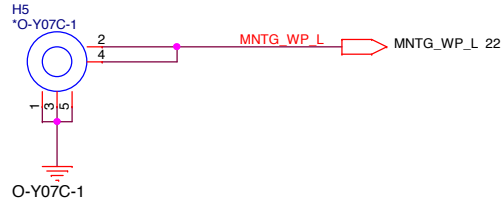
TOUCHPAD BOARD CONN (TPD)



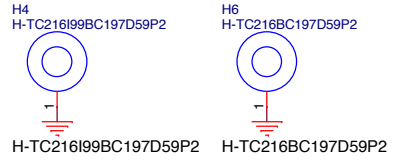
www.aitech1.ru

	PROJECT : Baileys Quanta Computer Inc.		
	Size Custom	Document Number TOUCHPAD	Rev 1A
	Date: Wednesday, April 23, 2014	Sheet 24 of 41	

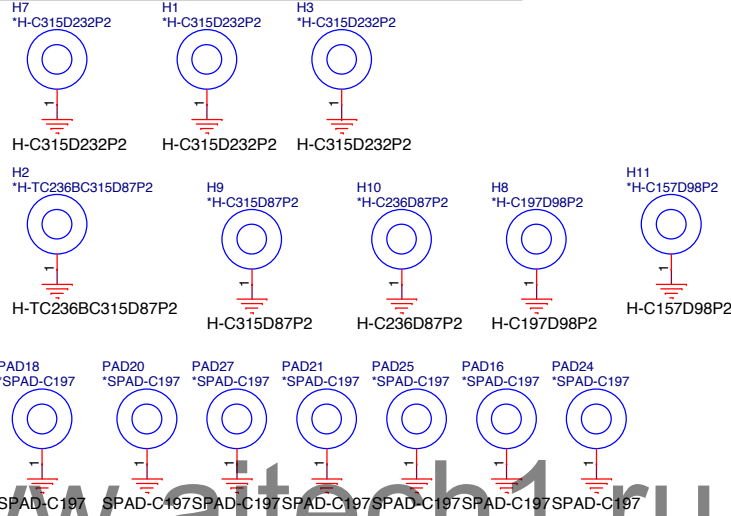
Write-Protect Switch




Thermal Nut



Hole



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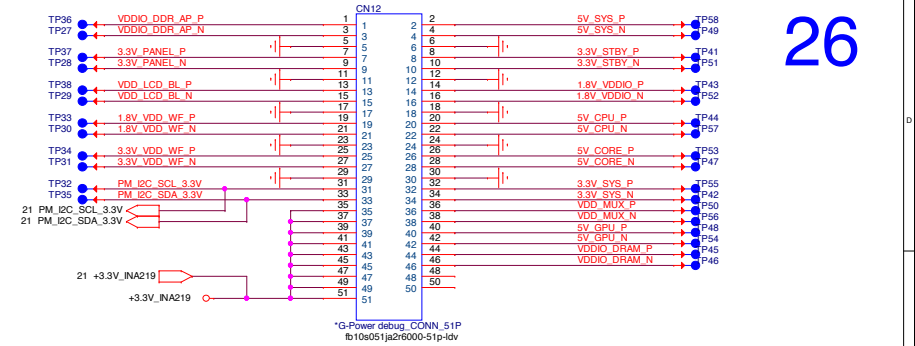
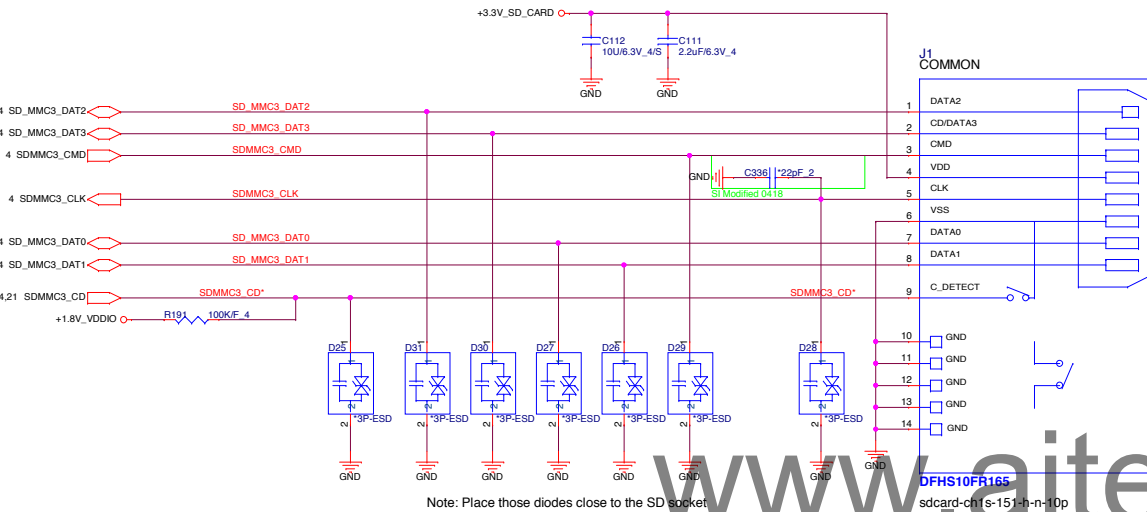
 NB5 HW	PROJECT : Baileys Quanta Computer Inc.		
	Size Custom	Document Number Hole	Rev 1A
	Date: Wednesday, April 23, 2014 Sheet 25 of 41		

Card Reader

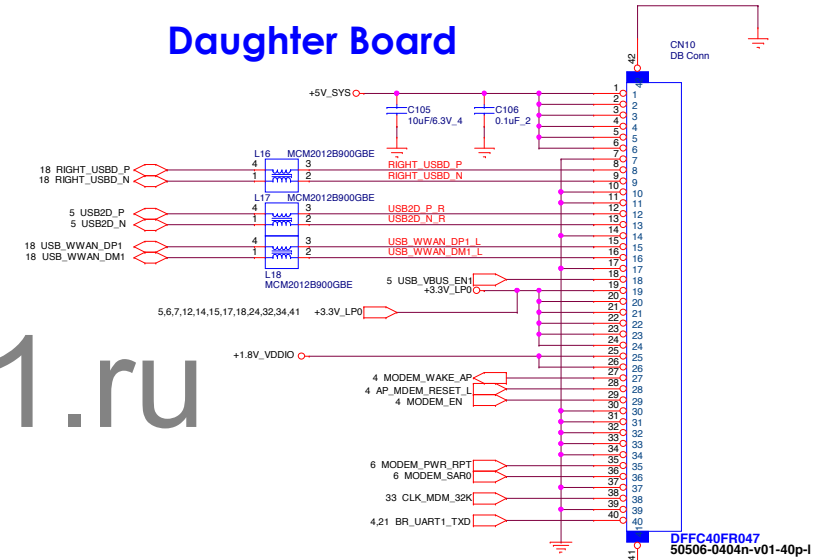
MicroSD Card Socket

26

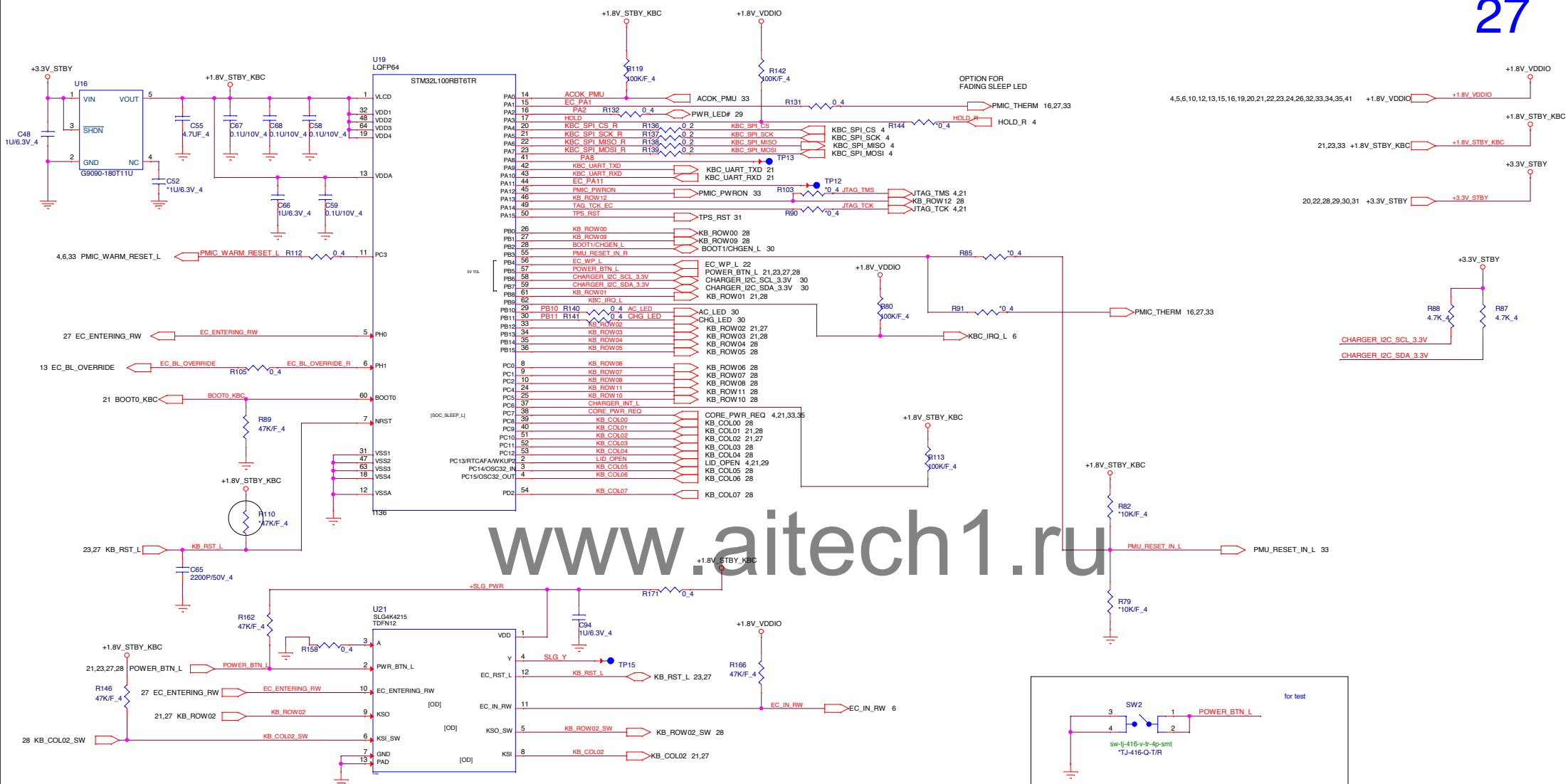
Place close to J3

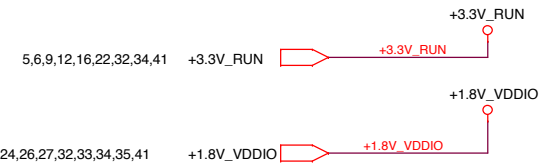
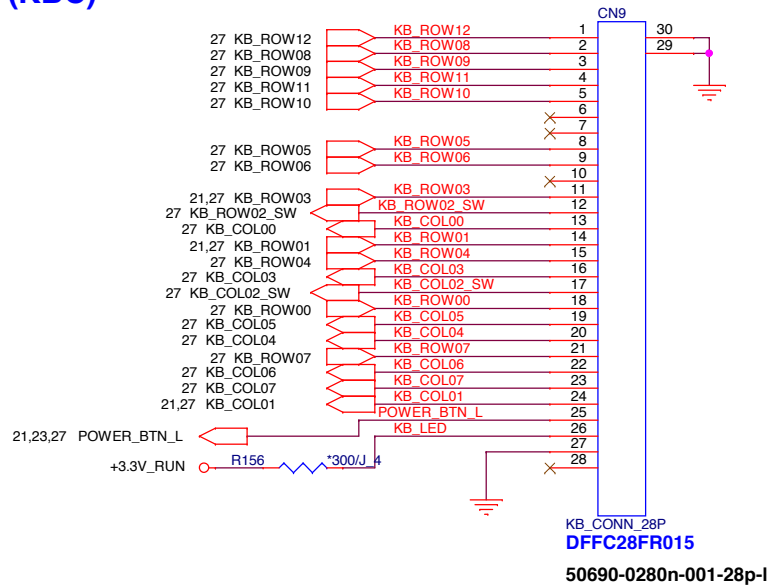


Daughter Board

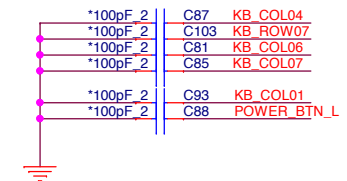
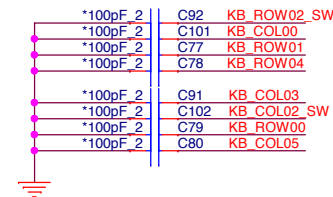
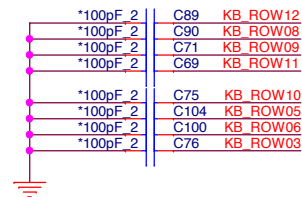
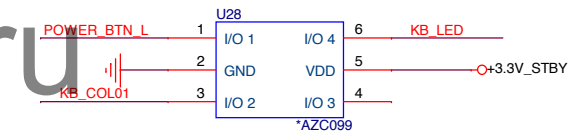
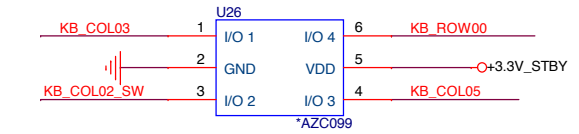
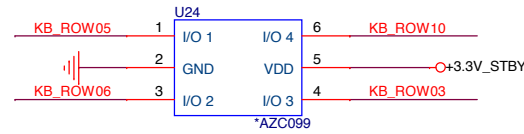
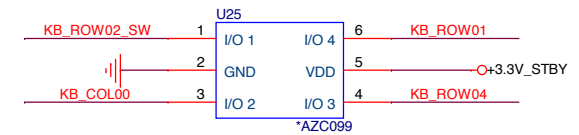
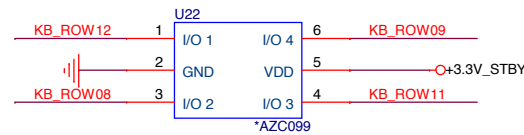


	PROJECT : Baileys Quanta Computer Inc.		Rev 1A
	Size Custom	Document Number Daughter Board/pm Board	
	Date: Wednesday, April 23, 2014	Sheet 26 of 41	





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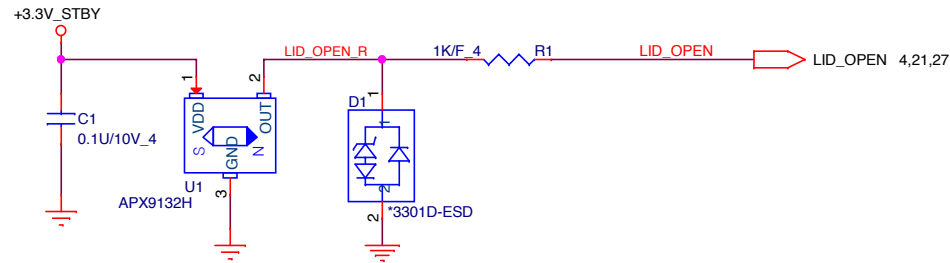
www.aitech1.ru



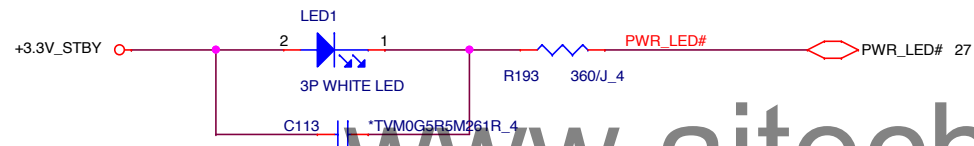
PROJECT : Baileys
Quanta Computer Inc.

Size Custom	Document Number Keyboard CONNECTOR	Rev 1A
Date: Wednesday, April 23, 2014	Sheet 28	of 41

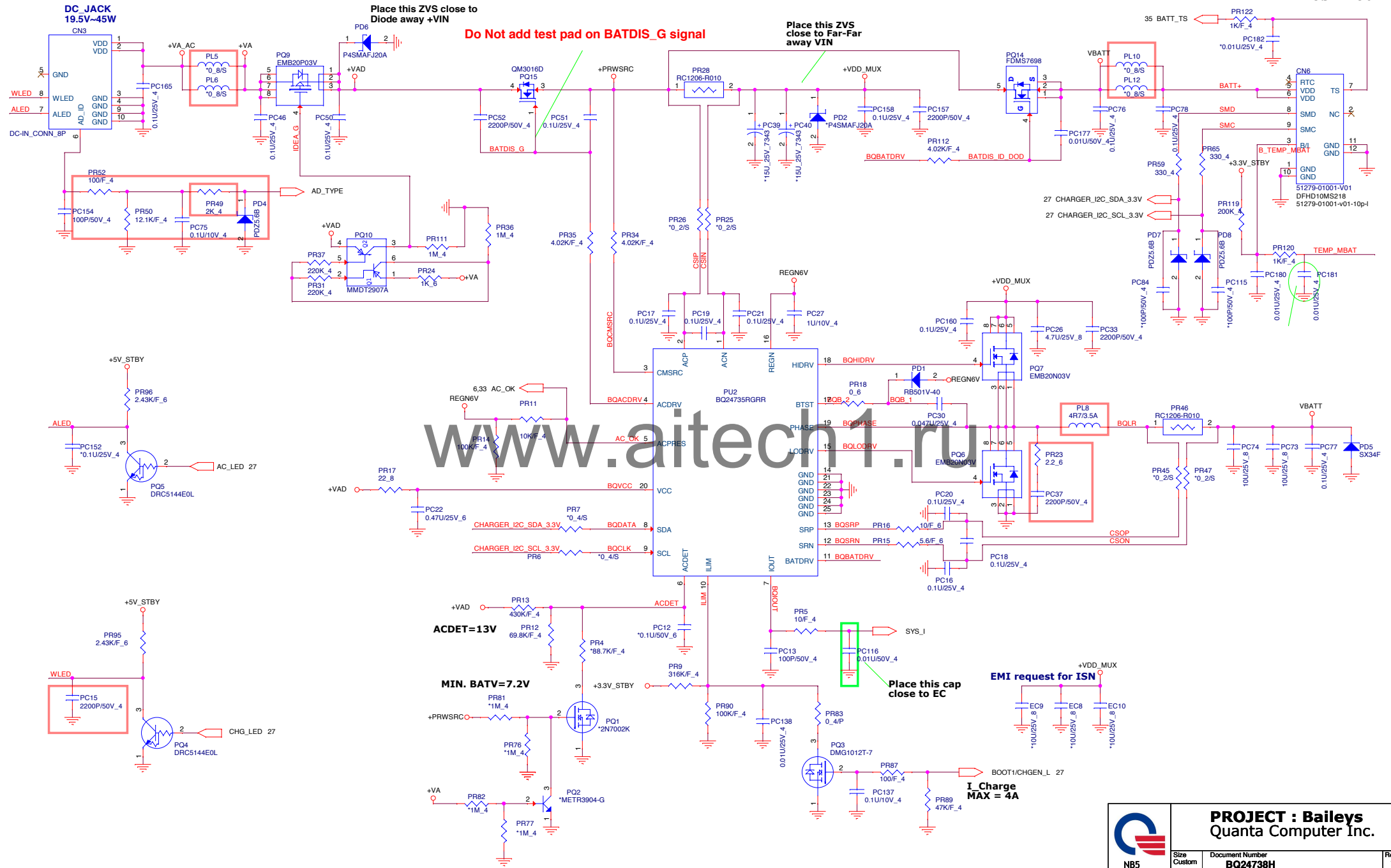
LID SENSOR

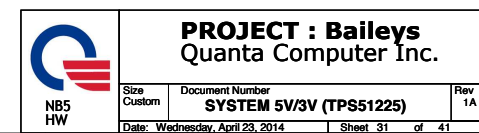


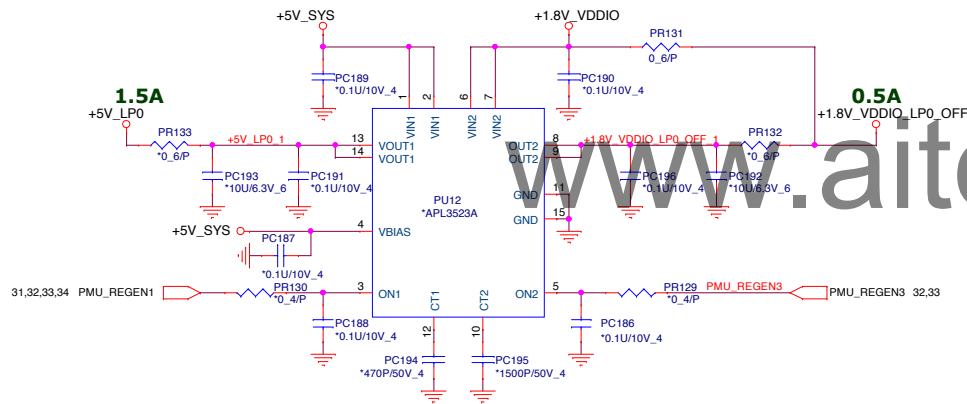
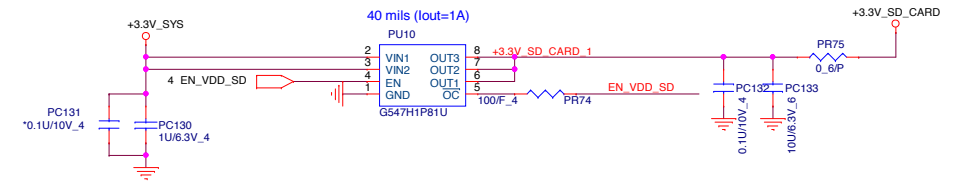
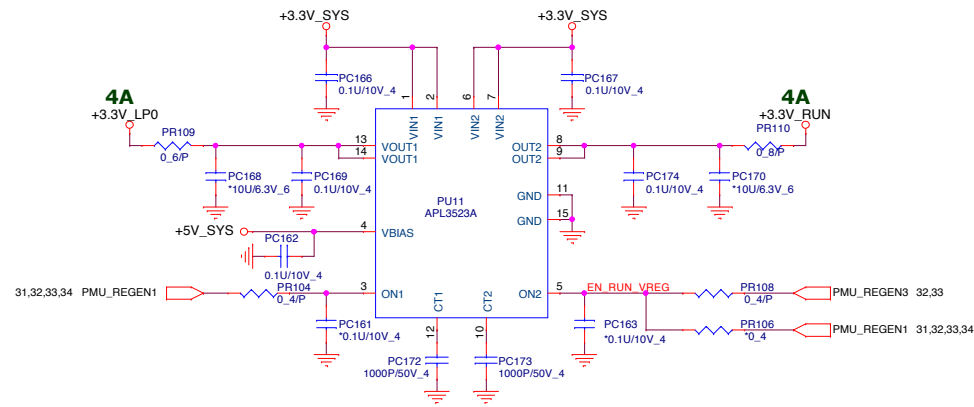
PWR LED

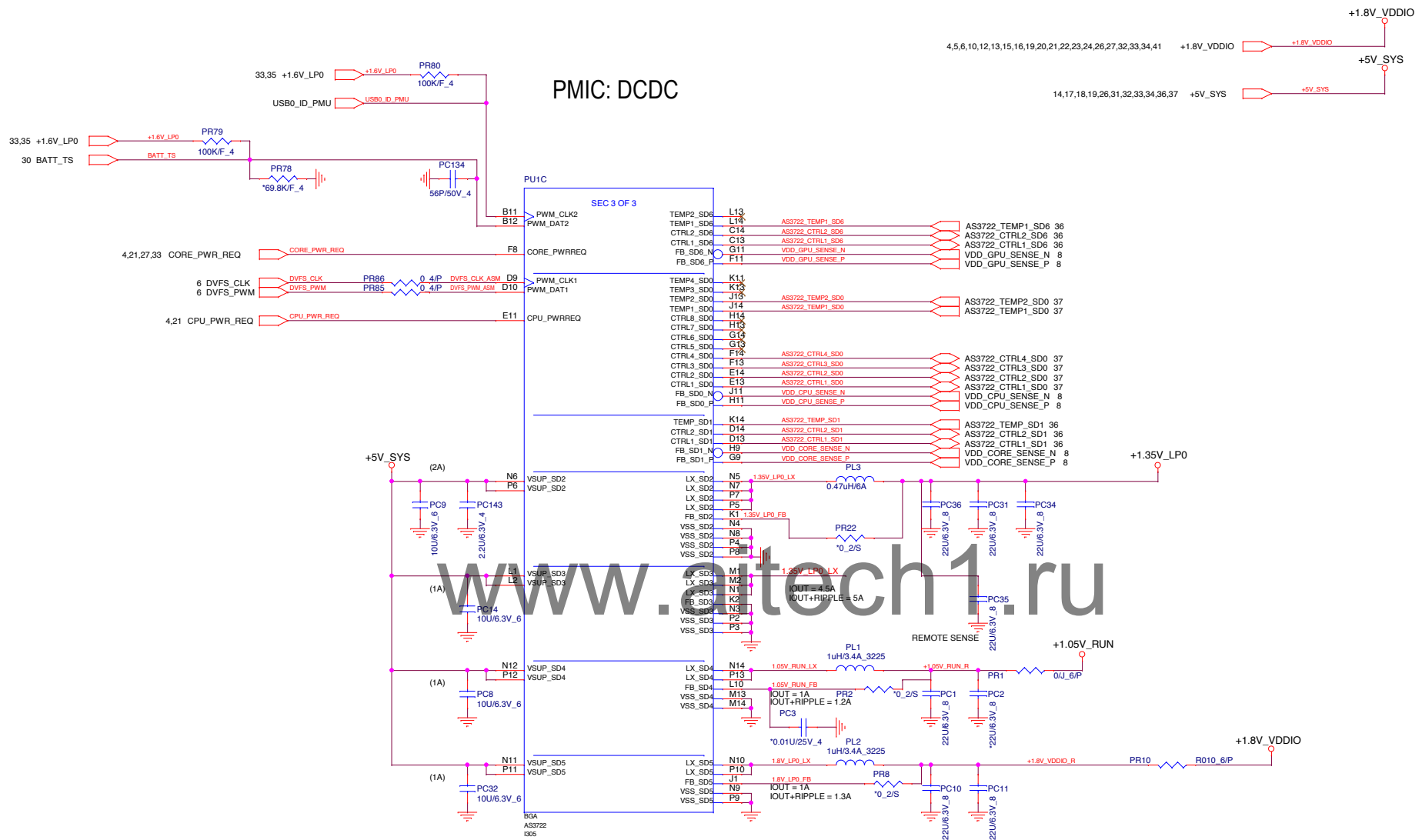


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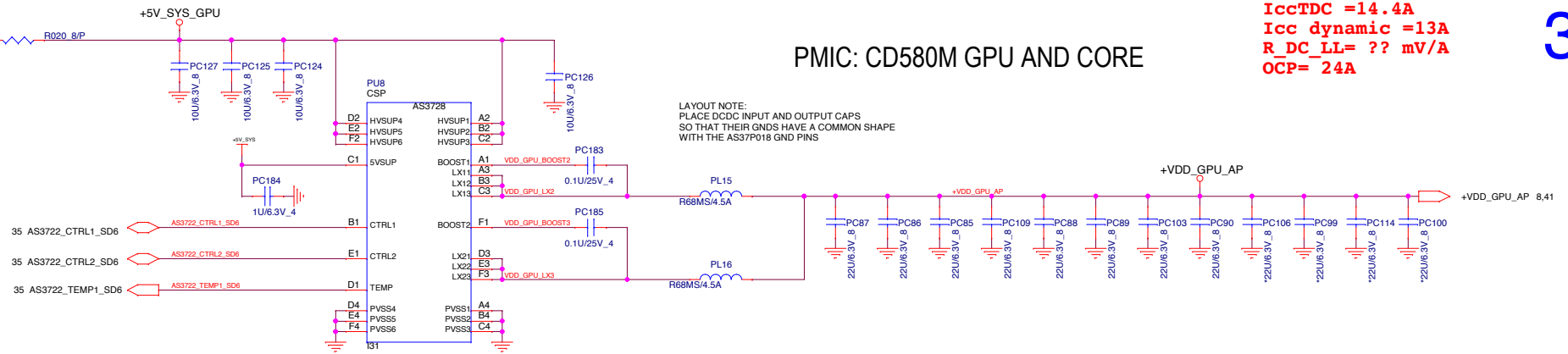


**PROJECT : Baileys
Quanta Computer Inc.**

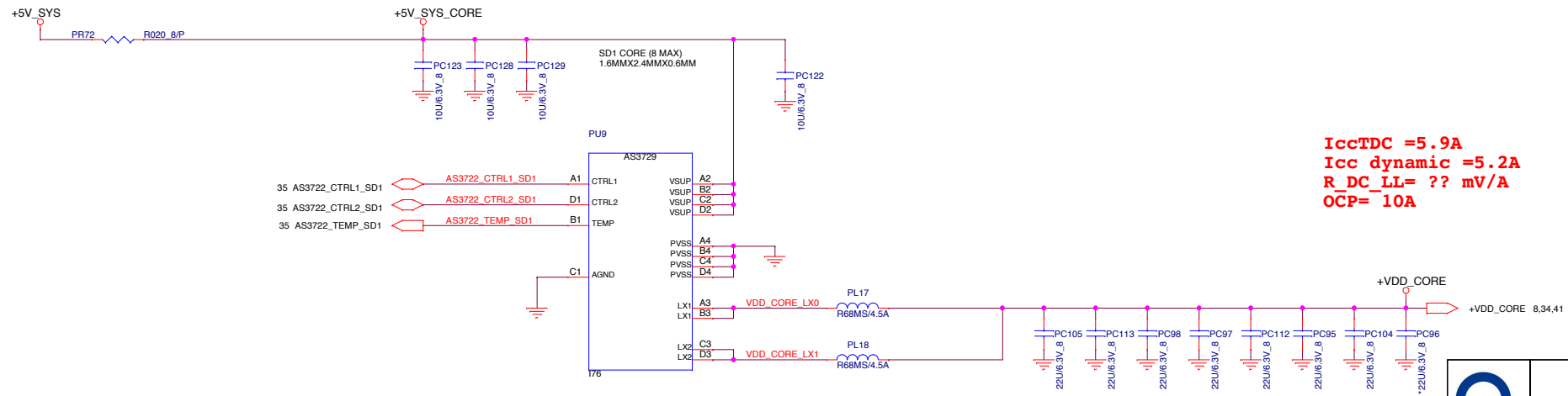
Size Custom	Document Number PMIC_DCDC	Rev 1A
Date: Wednesday, April 23, 2014	Sheet 35	of 41

PMIC: CD580M GPU AND CORE

IccTDC = 14.4A
Icc dynamic = 13A
R_{DC_LL} = ?? mV/A
OCP = 24A



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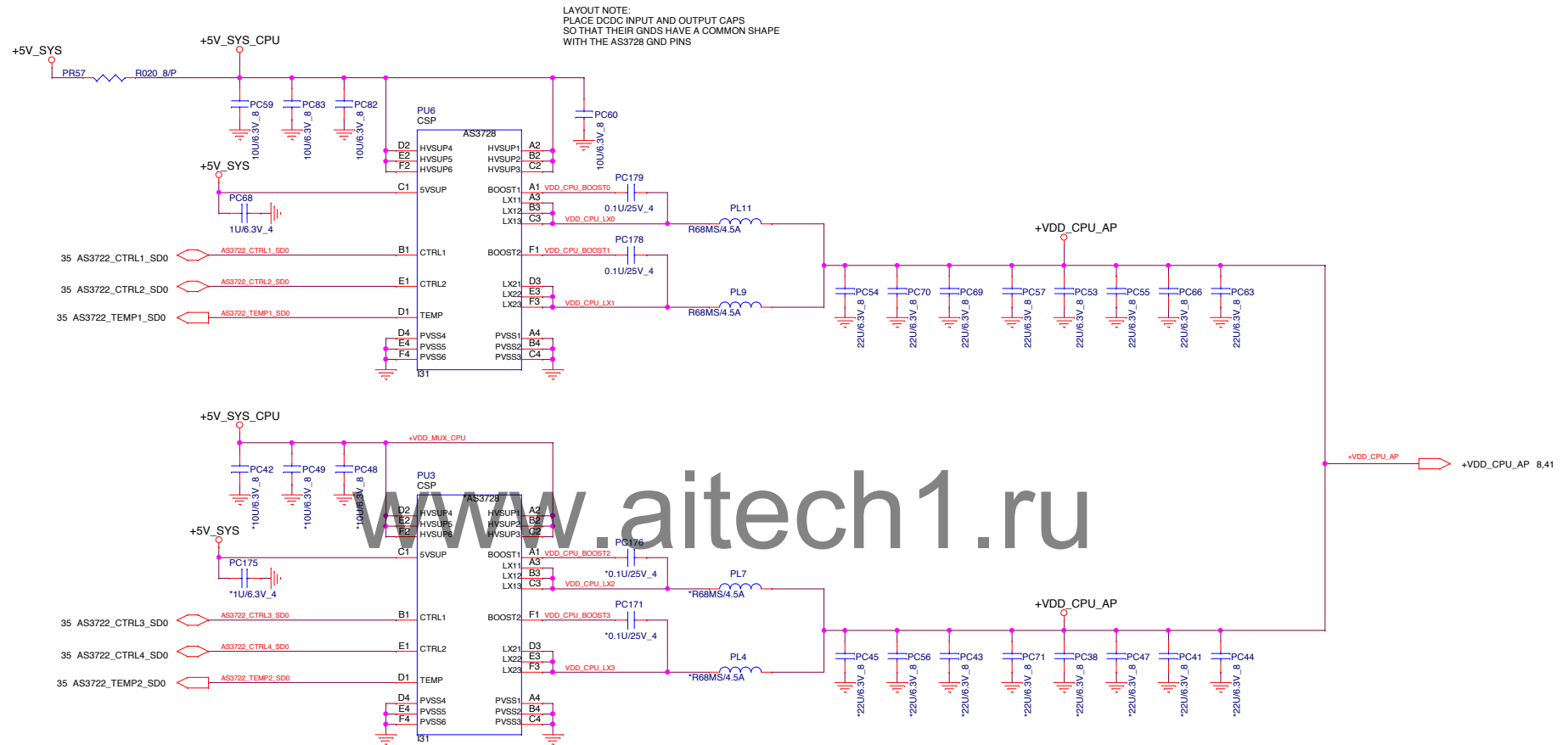
IccTDC = 5.9A
Icc dynamic = 5.2A
R_{DC_LL} = ?? mV/A
OCP = 10A

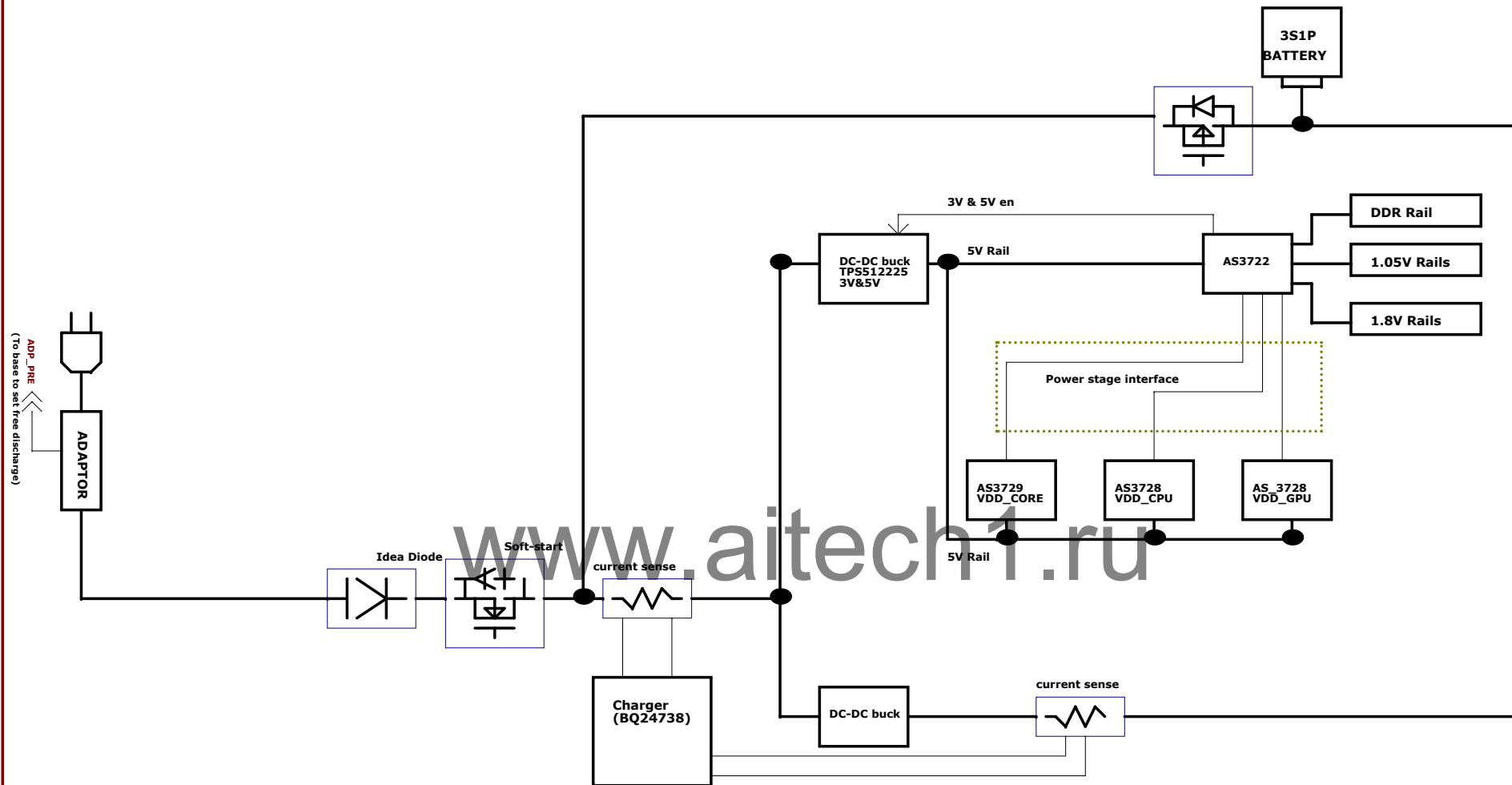


PROJECT : Baileys
Quanta Computer Inc.

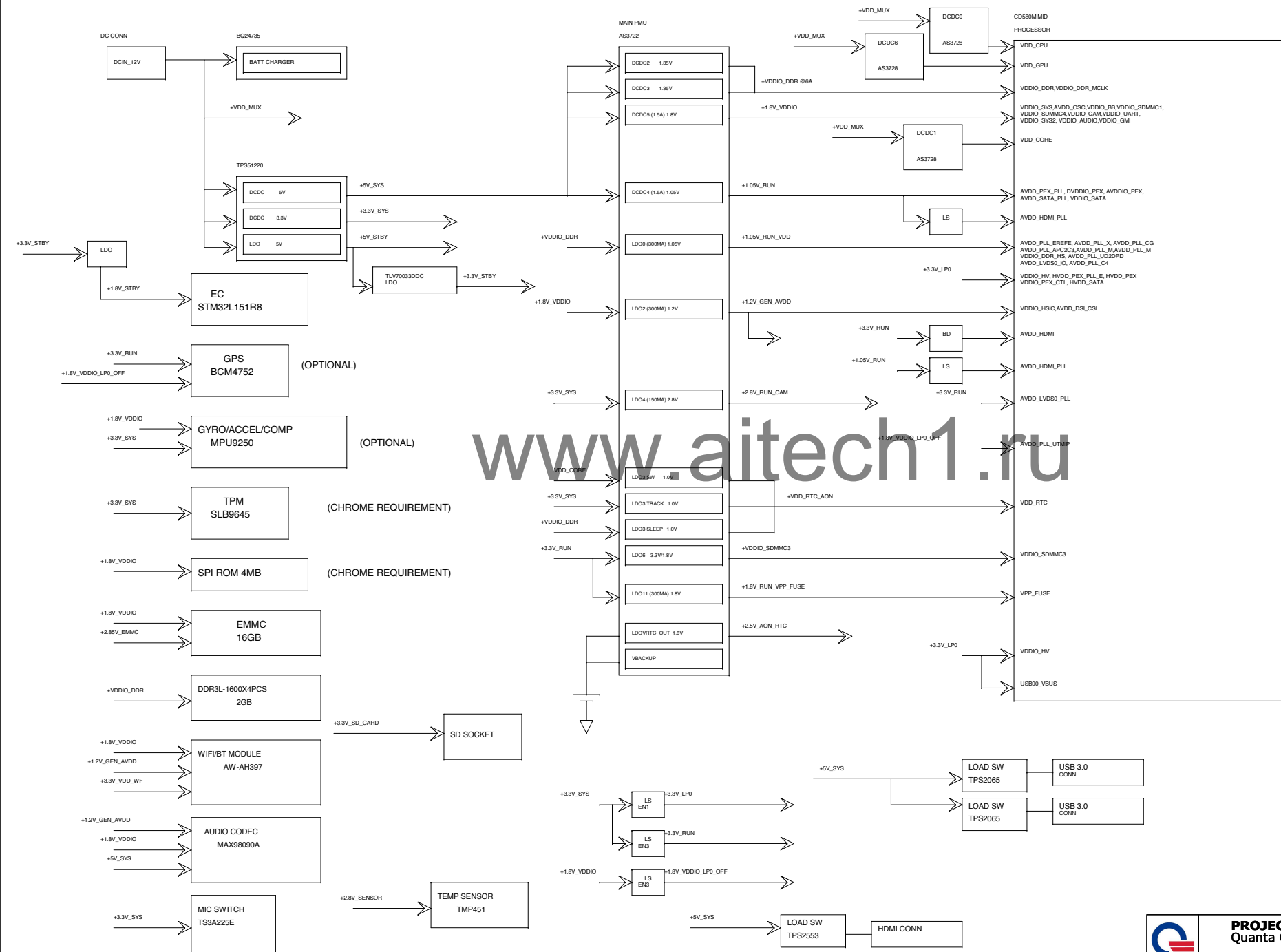
Size	Document Number	Rev
Custom	PMIC_GPU AND CORE	1A
Date: Wednesday, April 23, 2014	Sheet 36	of 41

VDD_CPU



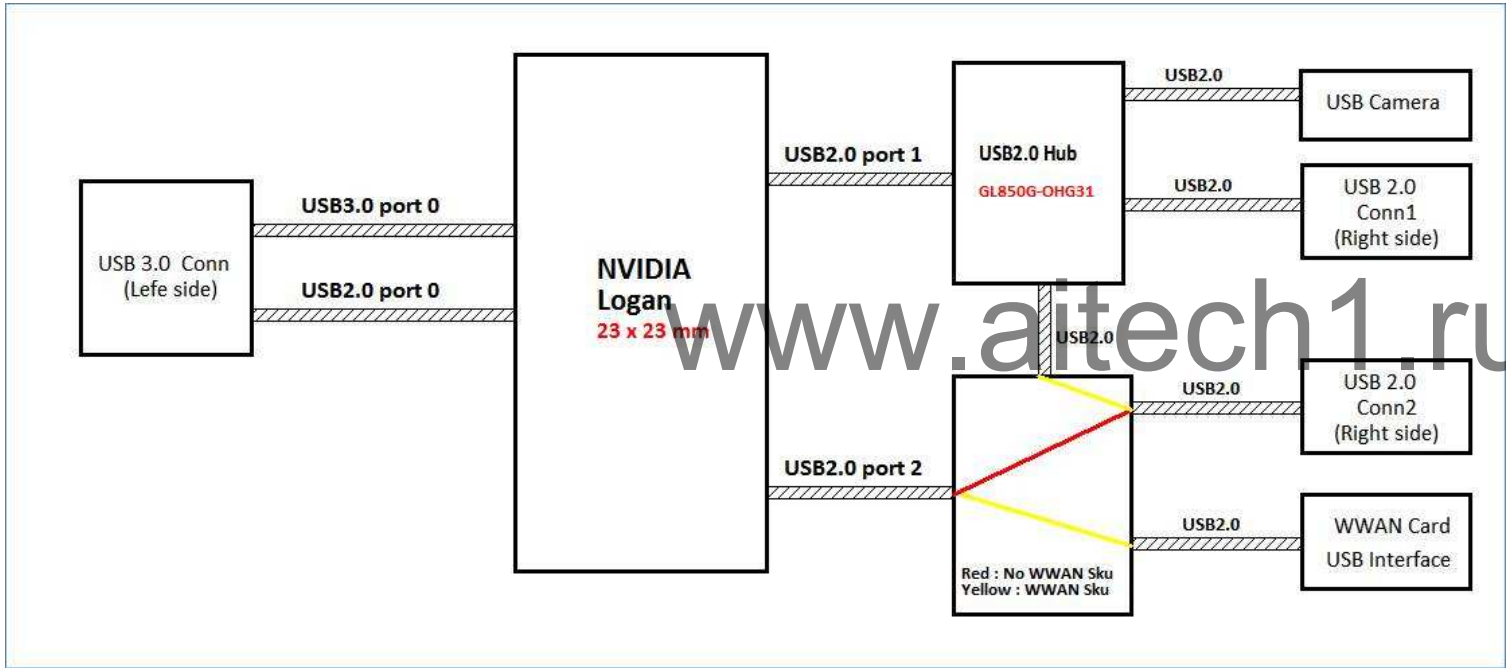


Peach power plane



I2C ADDRESS MAP

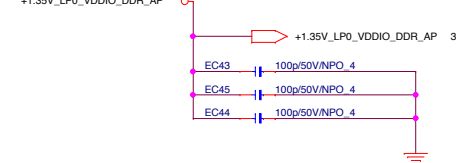
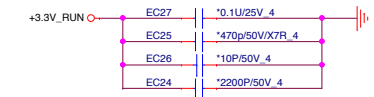
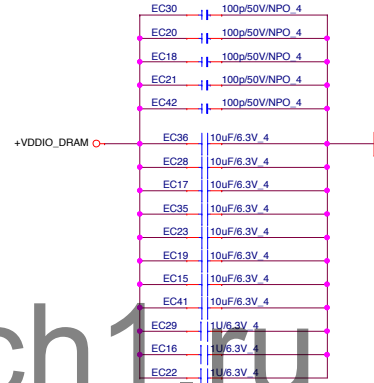
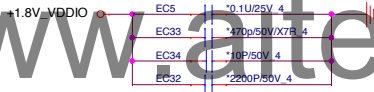
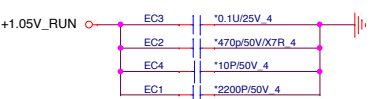
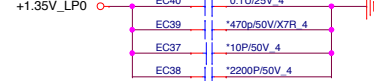
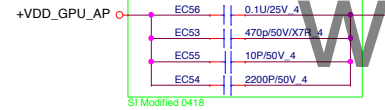
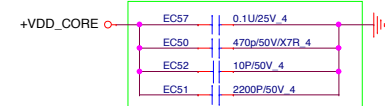
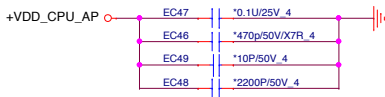
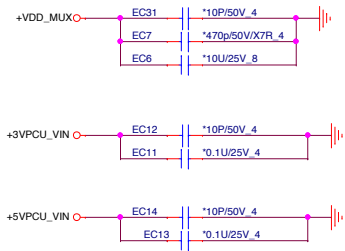
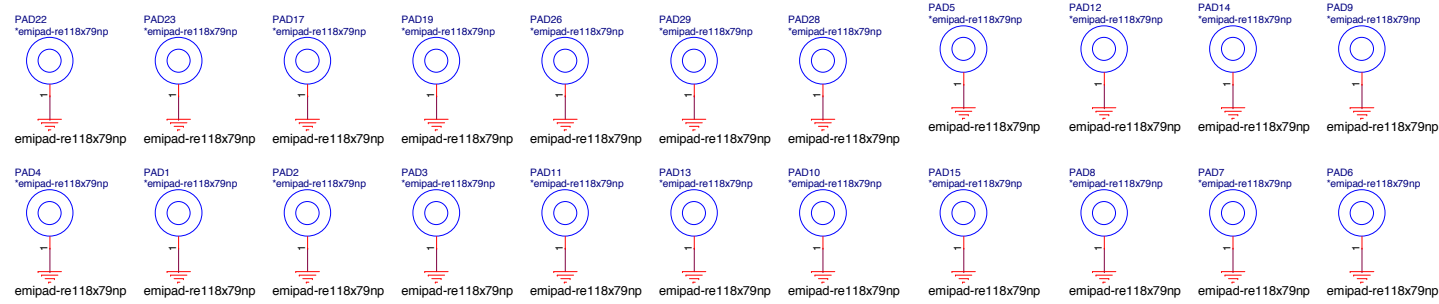
BUS	DEVICE	ADDRESS
GEN1_I2C - 1.8V	AUDIO CODEC	7'H10
	TEMPERATURE SENSOR	7'H4C
GEN2_I2C - 3.3V	Touch Pad	7'H15
	Touch Panel	7'H10
PWR_I2C - 1.8V	PMIC AS3722	7'H40
CAM_I2C - 3.3V	TPM	7'H20
CHARGER_I2C - 3.3V	EMBEDDED CONTROLLER	MASTER
	CHARGER BQ24735	7'H09
	BATTERY PACK	7'H0B



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EMI solution

