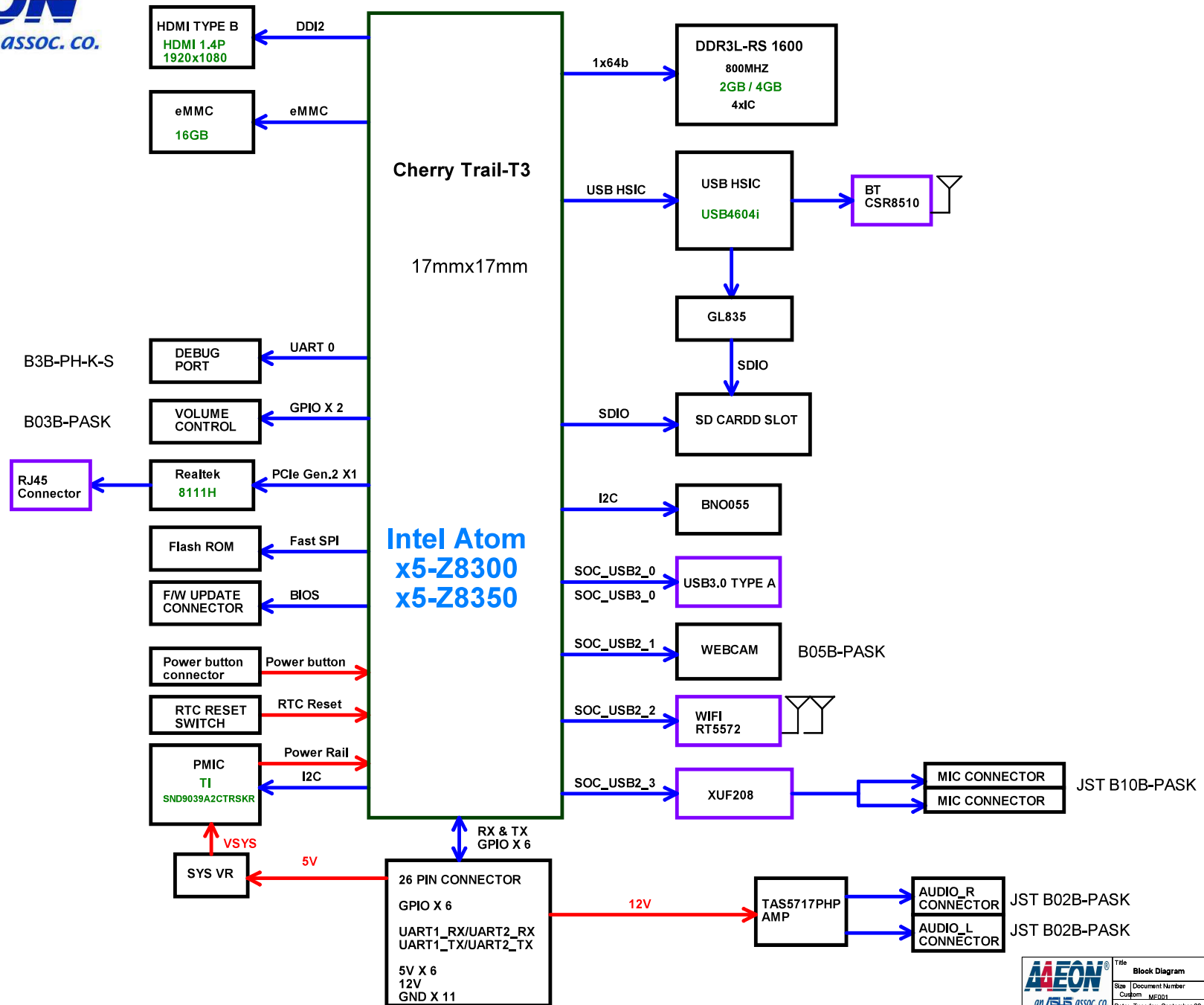
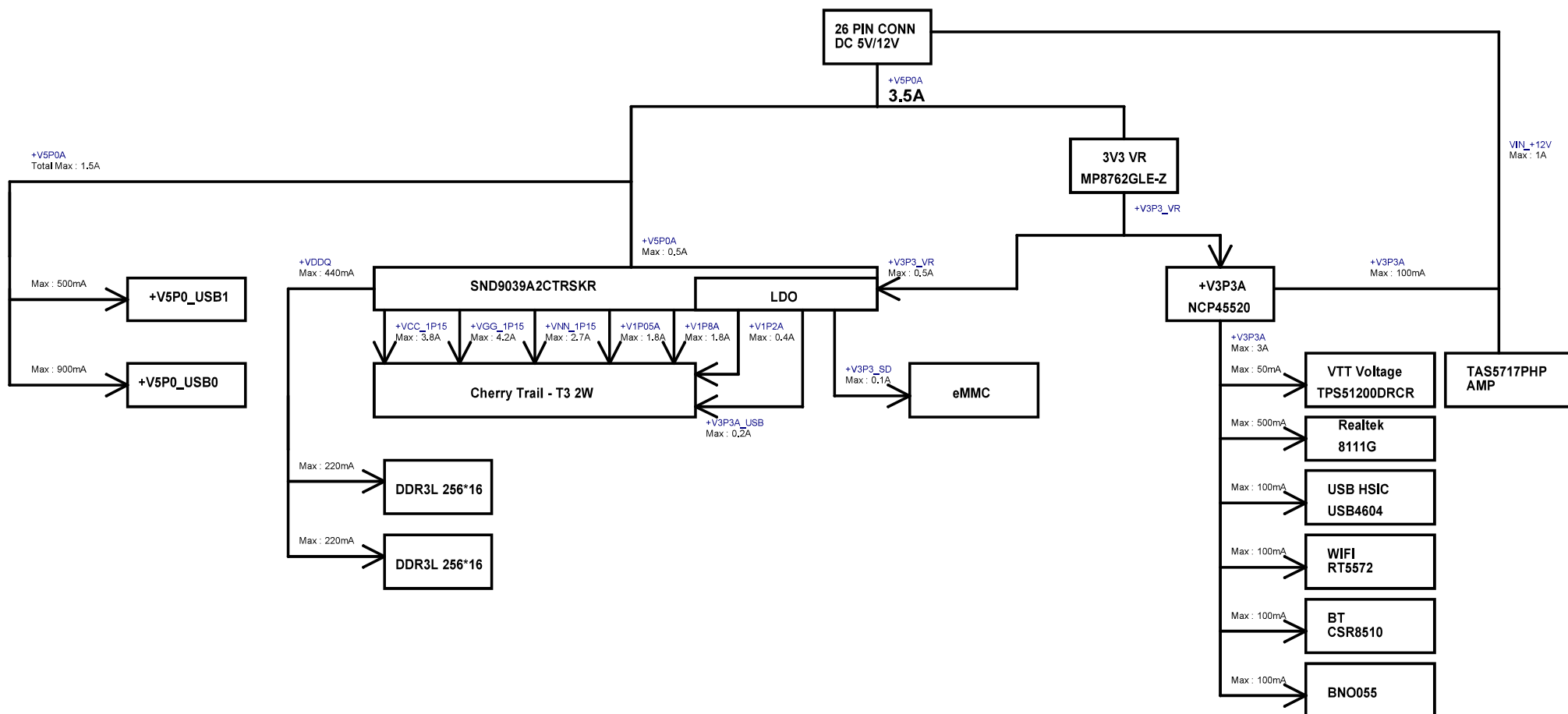
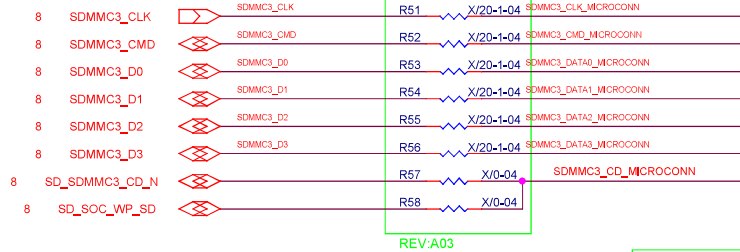


5		4		3		2		1	
01	INDEX	21	LEVEL SHIFT CIRCUITRY	41	HISTORY				
02	BLOCK DIAGRAM	22	SPI FLASH ROM						
03	POWER TREE	23	EMMC						
04	POWER SEQUENCE	24	BNO055						
05	SOC MEMORY	25	WIFI_RT5572N						
06	SOC POWER1	26	BT_CSR CRS8510						
07	SOC DISPLAY/CAMERA	27	USB3.0_TYPE-A						
08	SOC PCIE/SDMMC/I2S AUDIO	28	USB HSIC						
09	SOC USB/HSIC/I2C/ISH	29	RTL8111G-CG						
10	SOC CLK/SPI/GPIO/HSUART	30	EDP TO HDMI						
11	SOC GND	31	AUDIO1						
12	SOC POWER2	32	AUDIO2						
13	SOC DECOUPLING CAPS	33	FUNCTION CONN						
14	SOC POWER TRIBUTARIES	34	3V VOLTAGE REGULATOR						
15	SD CARD	35	PMIC 1of3/CONTROL						
16	HARDWARE STRAP	36	PMIC 2of3/SWITCHING POWER						
17	POWER & RESET PIN HEADER	37	PMIC 1of3/CLDO						
18	MEMORY 1/2	38	VTT VOLTAGE REGULATOR						
19	MEMORY 3/4	39	DC IN 26 PIN CONNECTOR						
20	DDR3L-RS VREF&Termination	40	MECHANICAL COMPONENT						
				 Title Index Size A Document Number MF001 Date: Tuesday, September 26, 2016 Sheet: 1 of 41					
5		4		3		2		1	

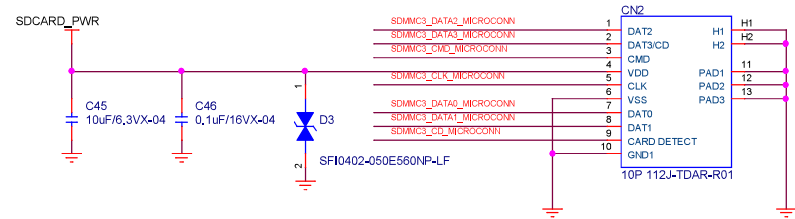
Block Diagram





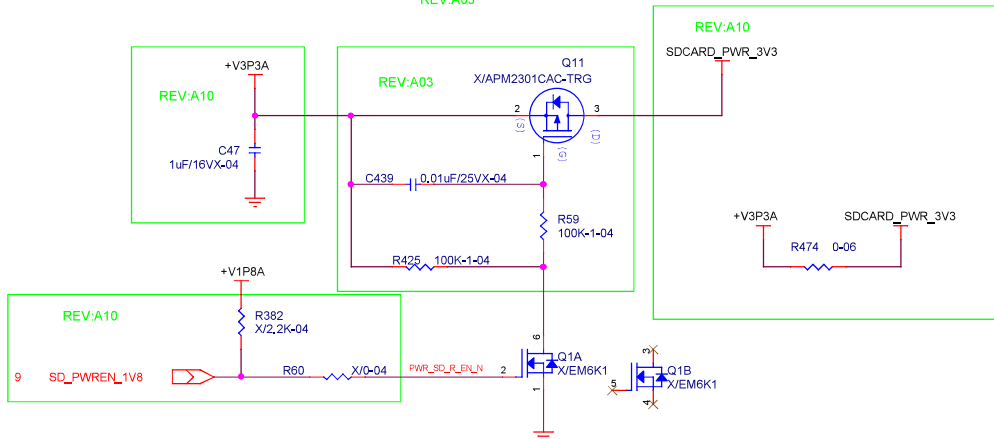
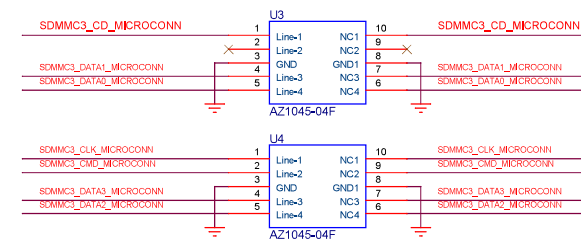


REV:A03



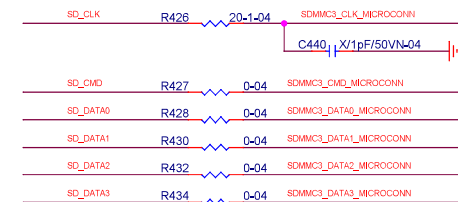
ESD

RVP use BGF148

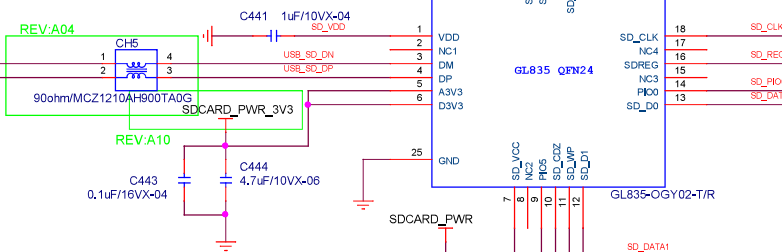


REV:A03

Reserved R and C for EMI
The RC value need to fine tune for different PCB layout
Close to GL835



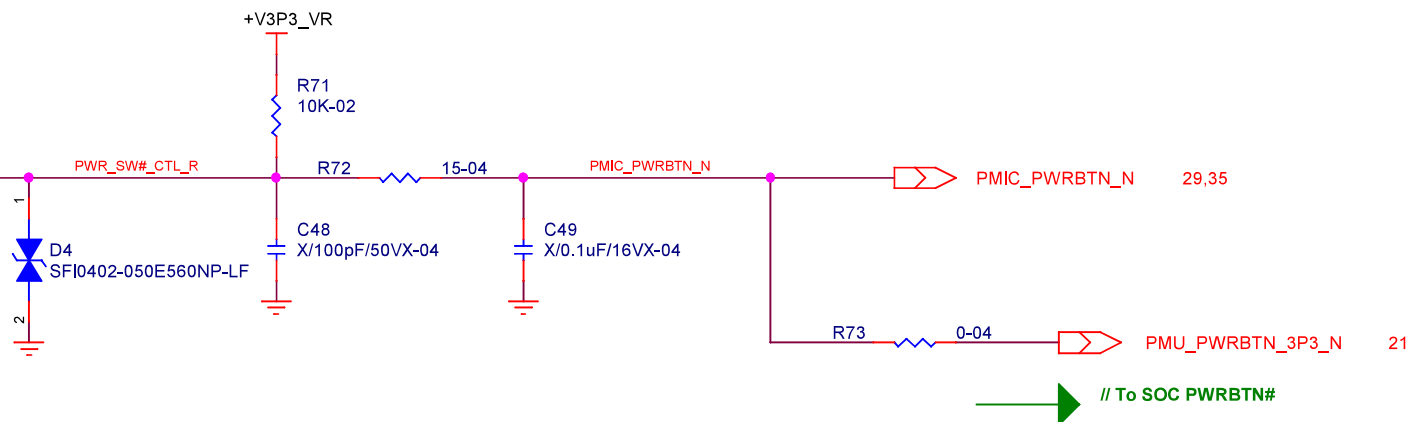
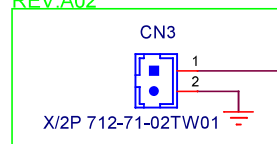
	NC	OR
SD_P100	No Support MMC Card	Support MMC Card
SD_P105	Power Saving Mode	Disable Power Saving Mode



Title SD CARD		
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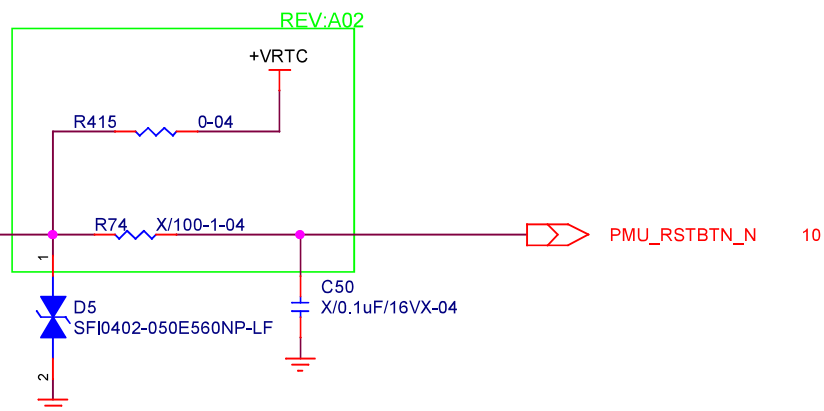
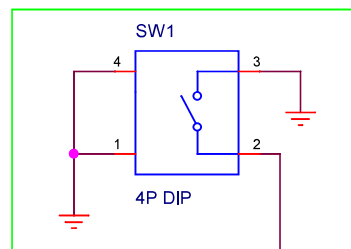
POWER Button

REV:A02

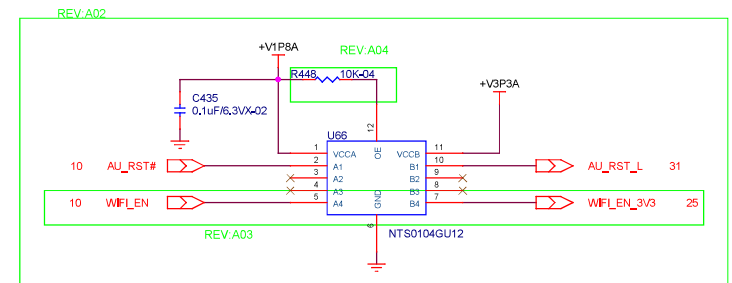
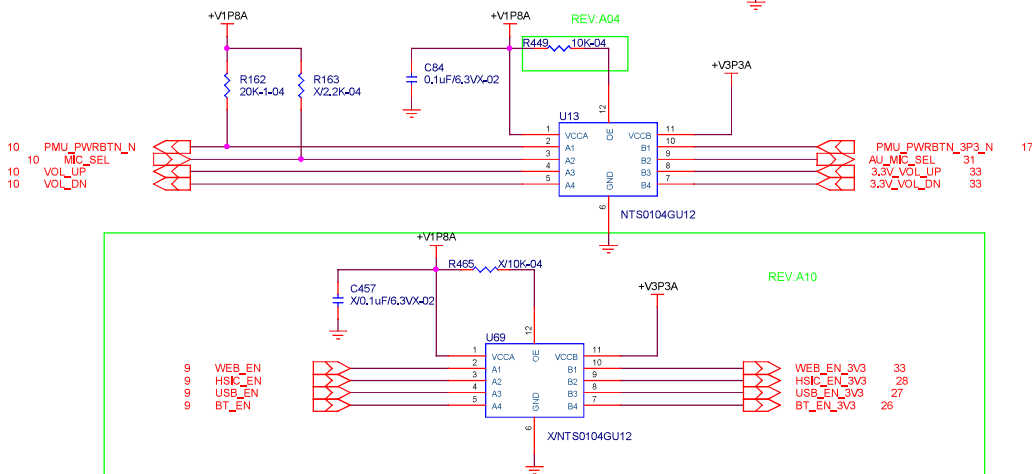
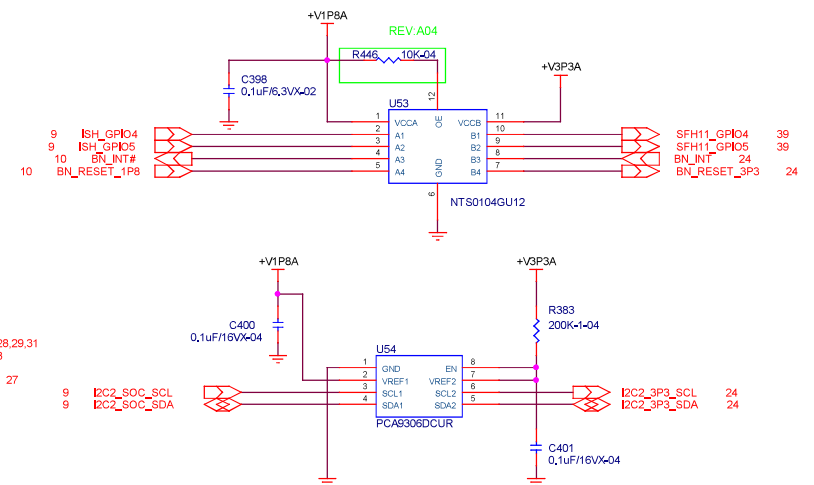
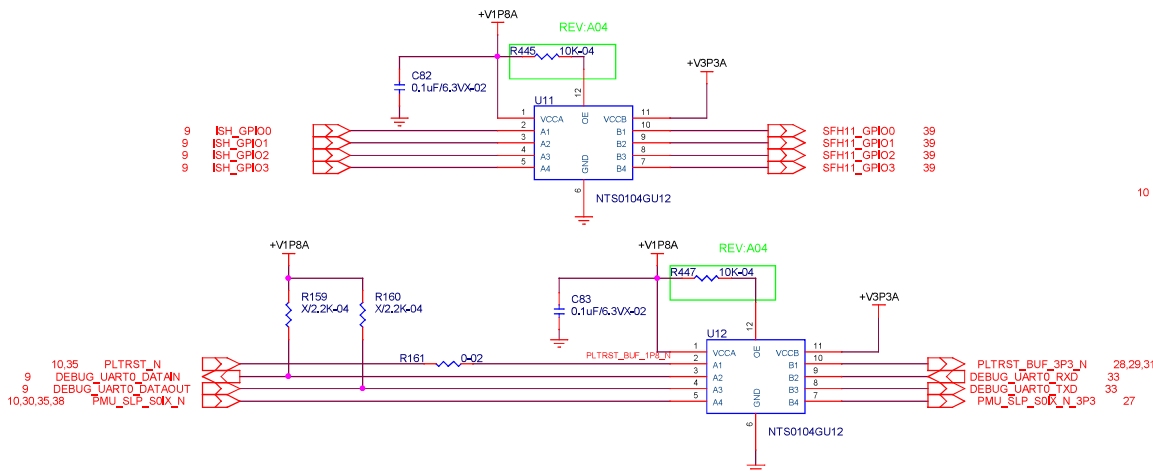
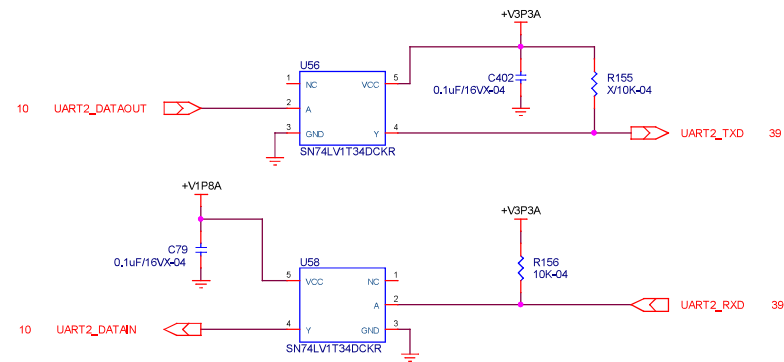
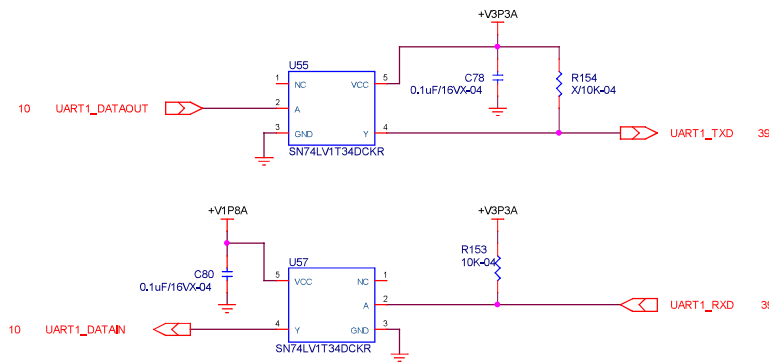


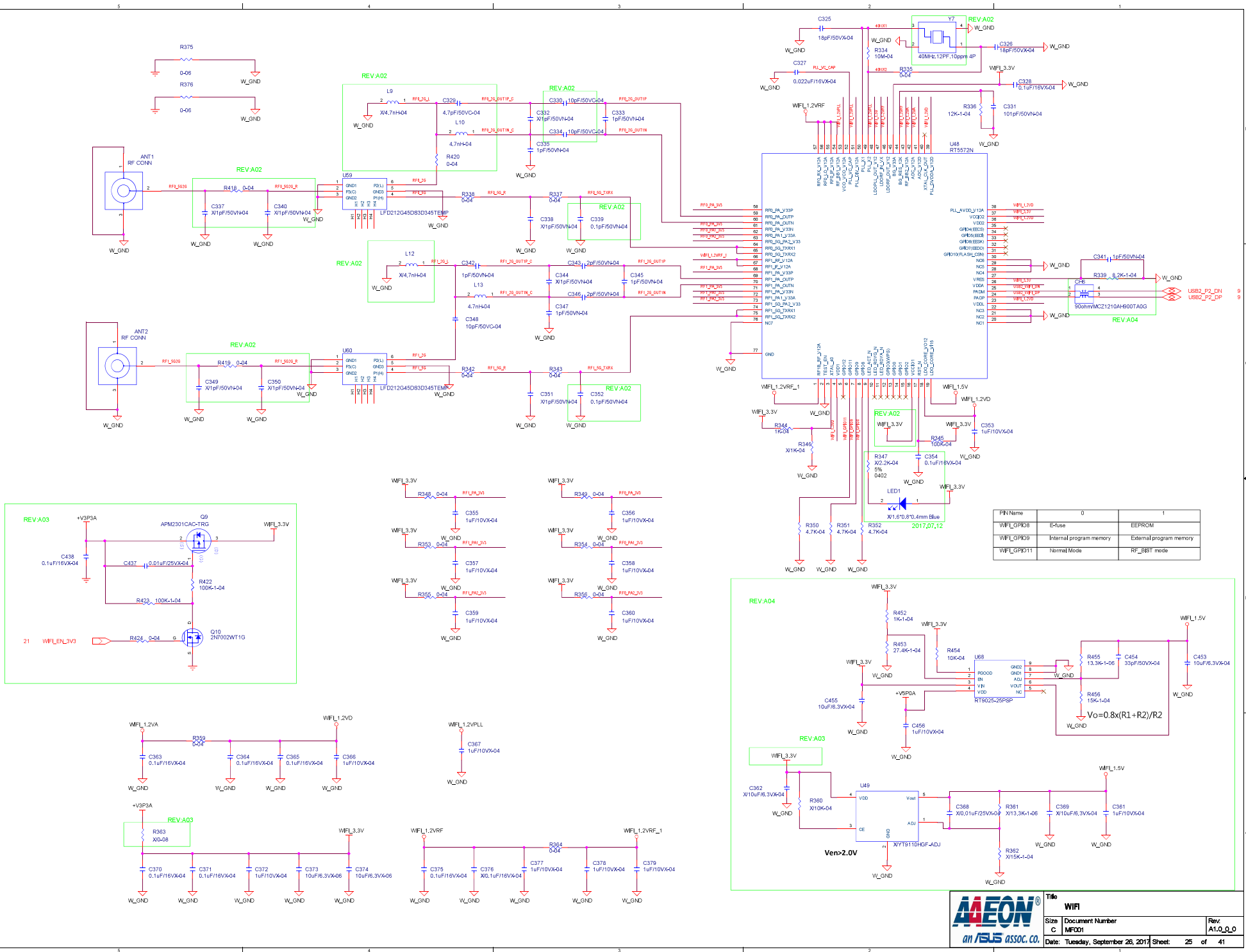
RESET Button

REV:A04

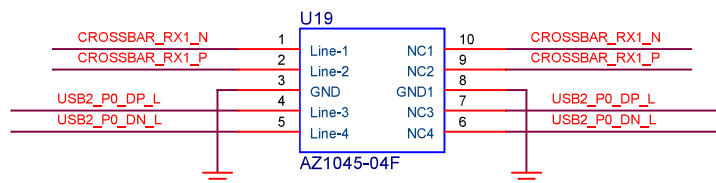
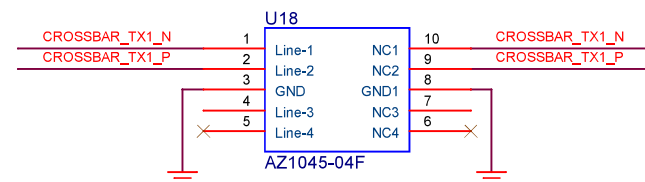
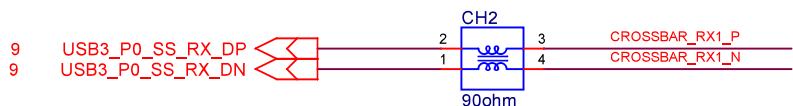
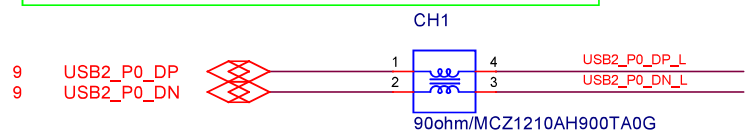
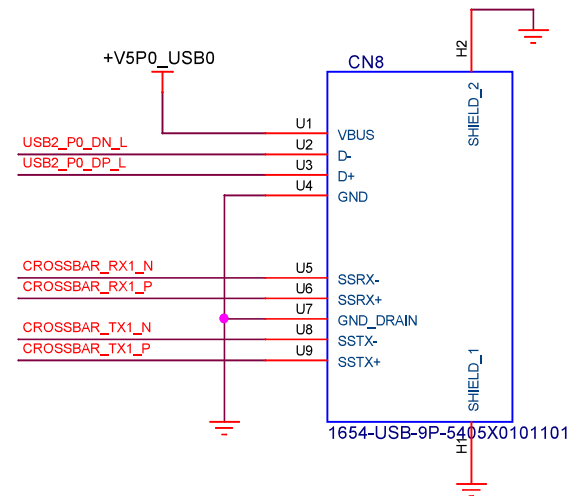
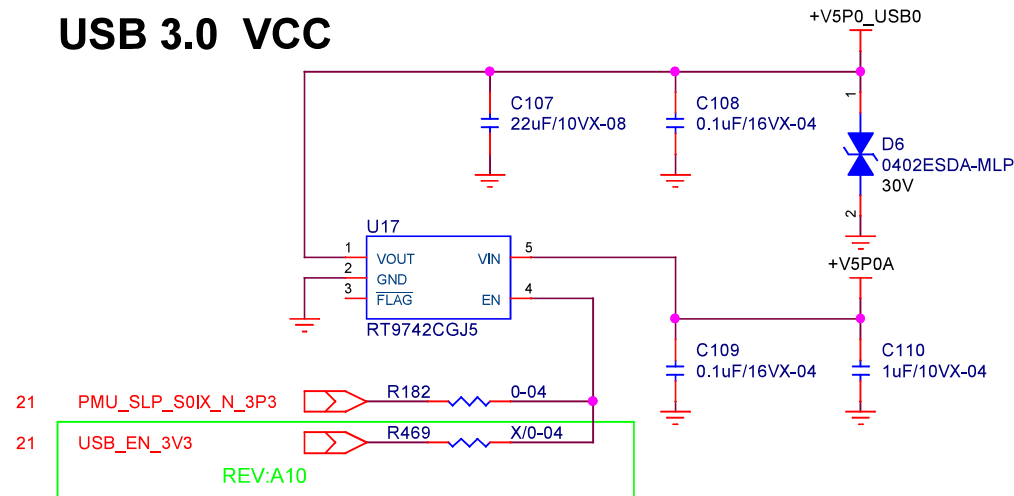


Title POWER & RESET PIN HEADER		
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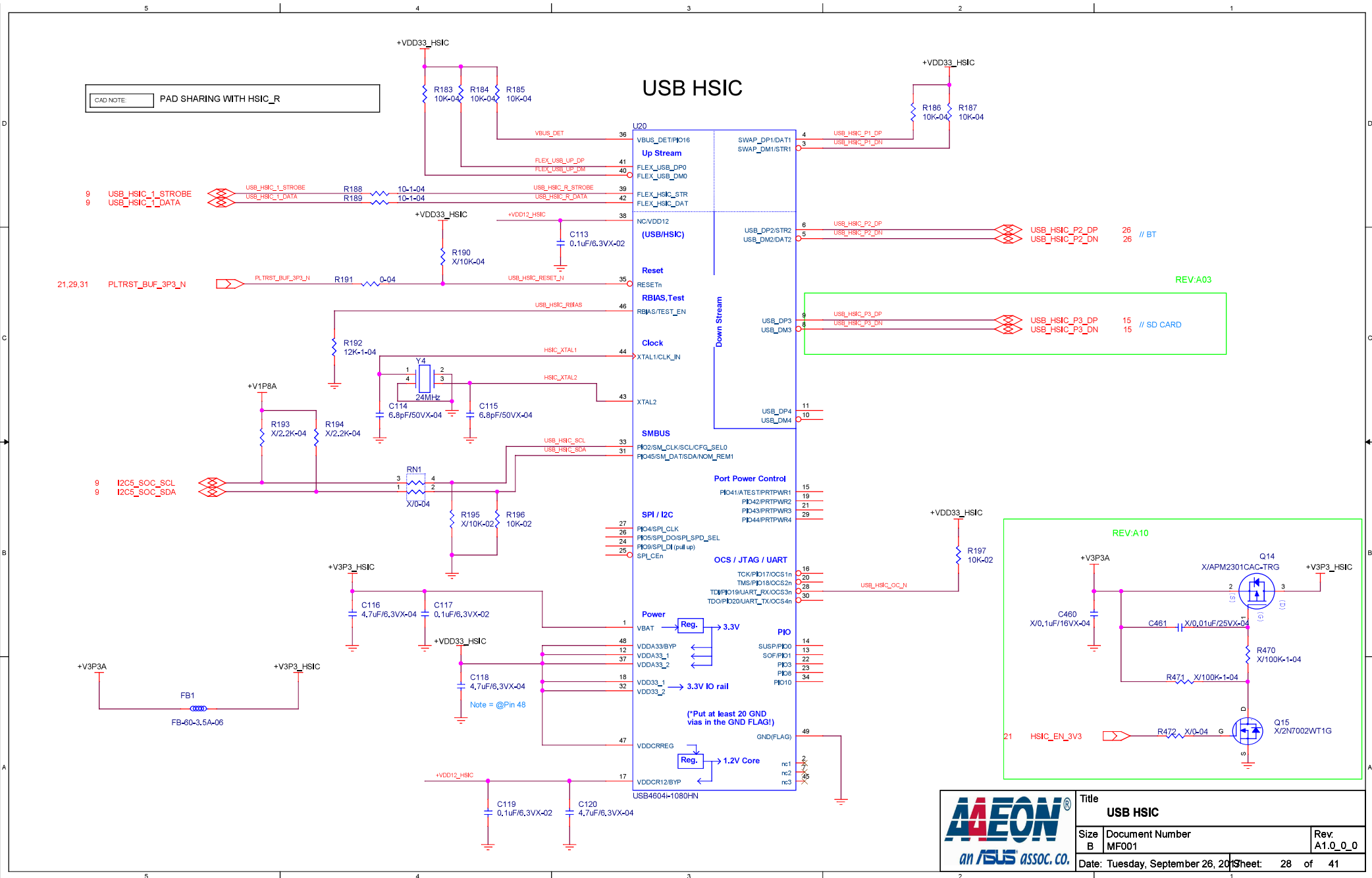


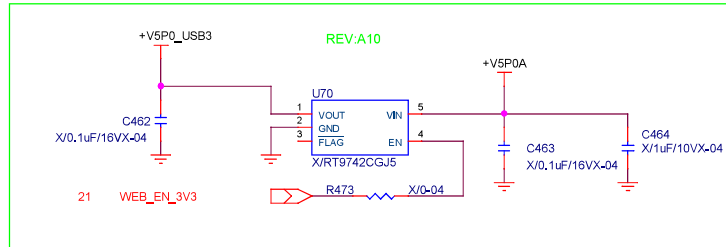
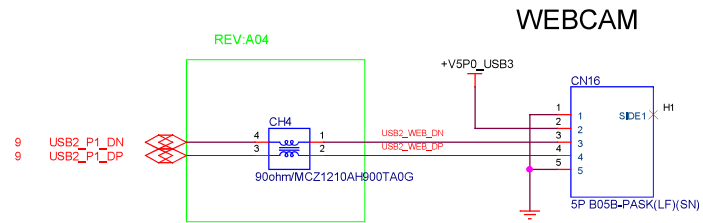
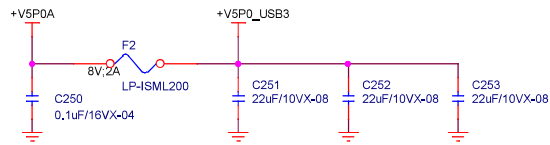


USB 3.0 VCC

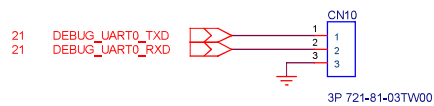


Title		
USB 3.0 Type-A		
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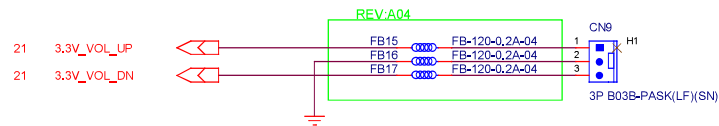




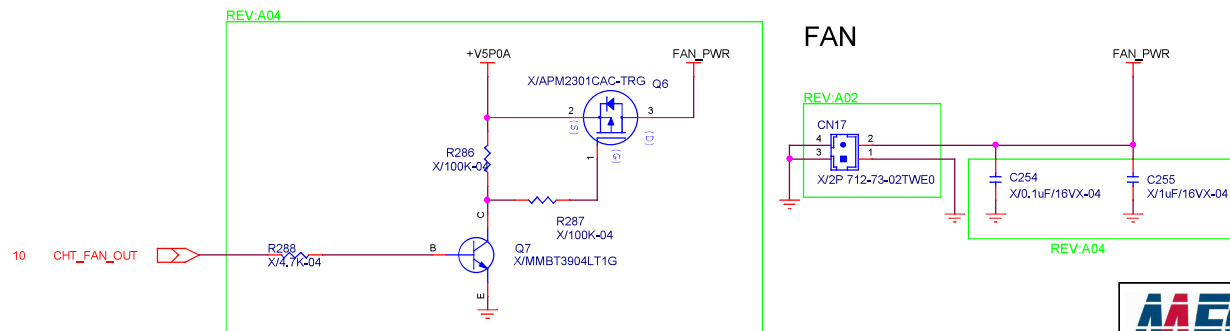
DEBUG



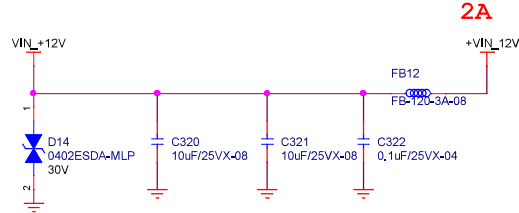
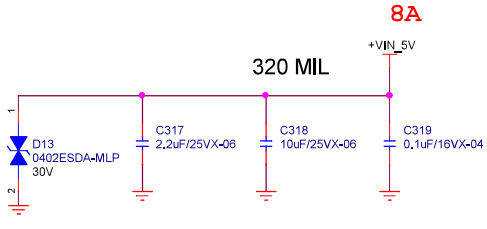
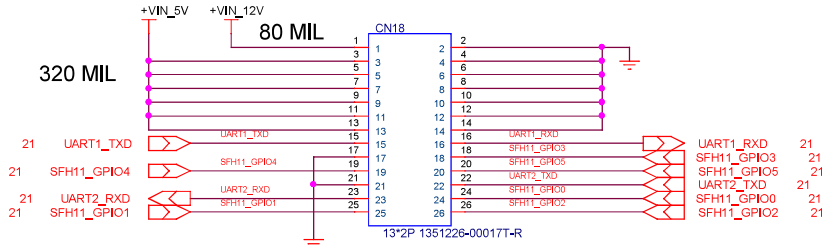
VOLUME



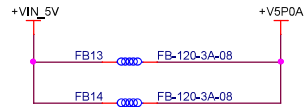
FAN



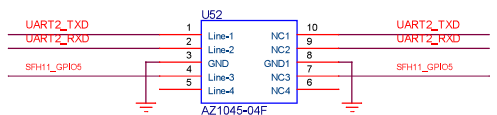
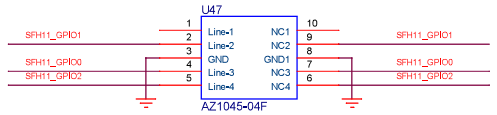
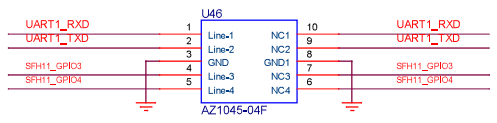
Title WEBCAM & FAN		
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trace width: 320mil



ESD



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