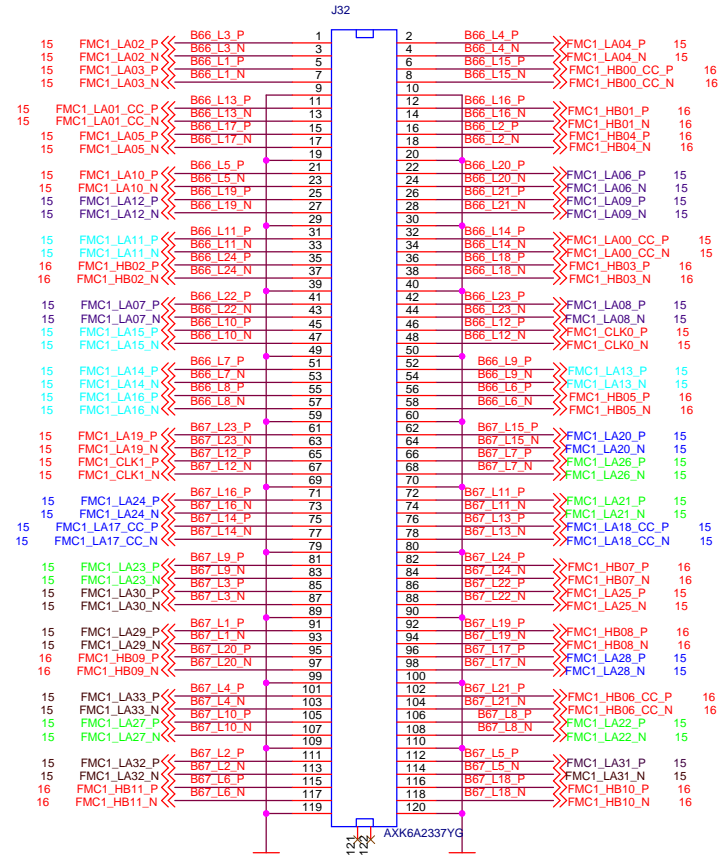
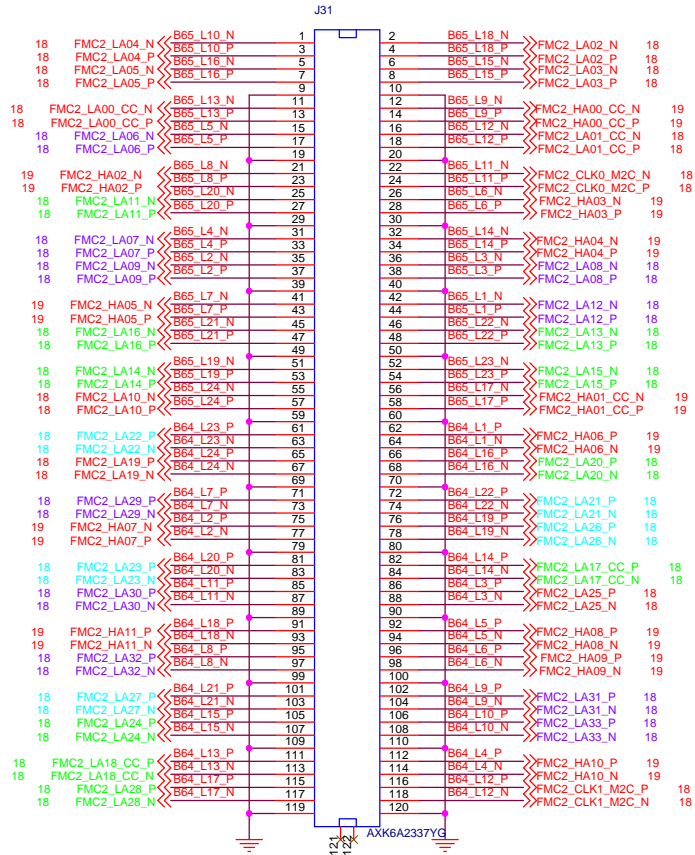
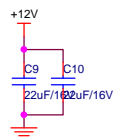


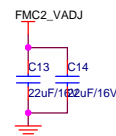
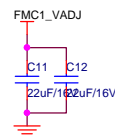
BANK66 67 is HP BANK, IO Voltage is under 1.8V

BANK64,65 is HP BANK, IO Voltage is under 1.8V

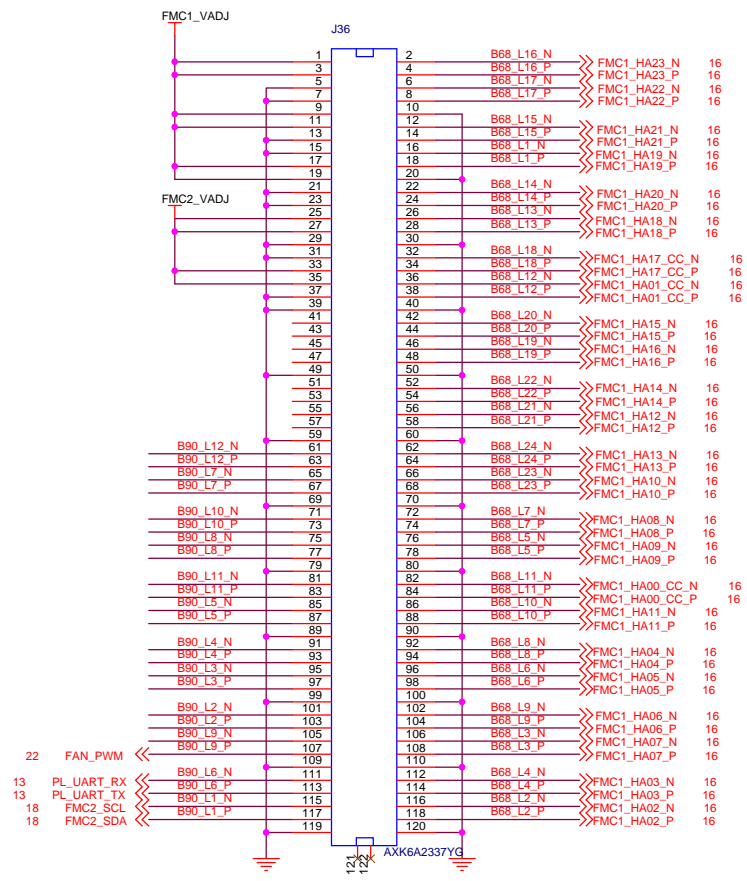
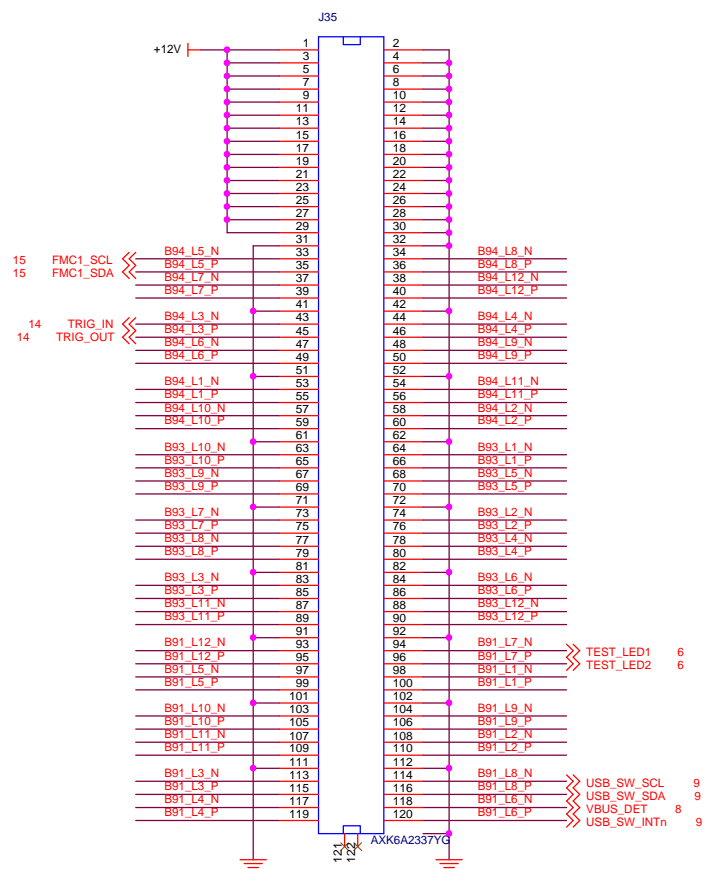


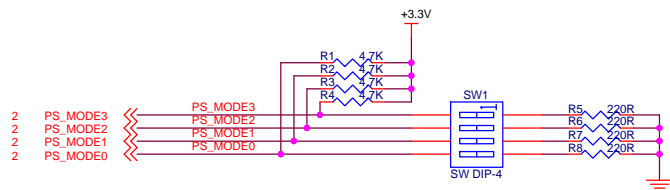


BANK90,91,93,94 is HD BANK, IO Voltage is under 3.3V

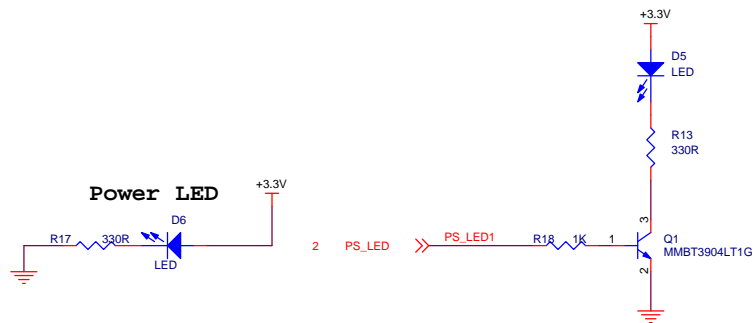
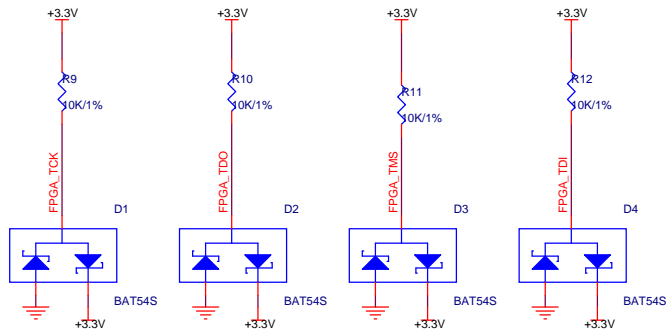
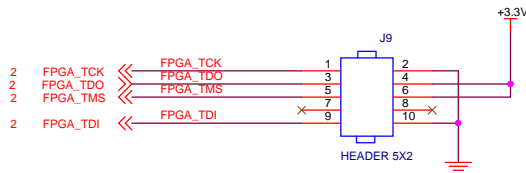


BANK68 is HP BANK, IO Voltage is under 1.8V

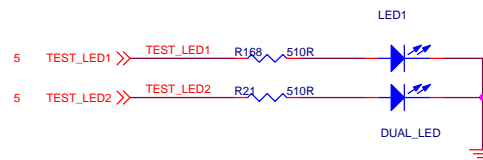
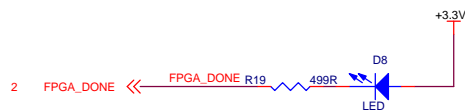




JTAG Connector

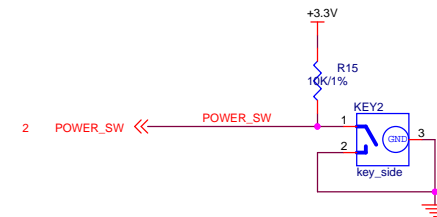
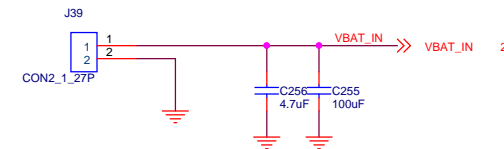


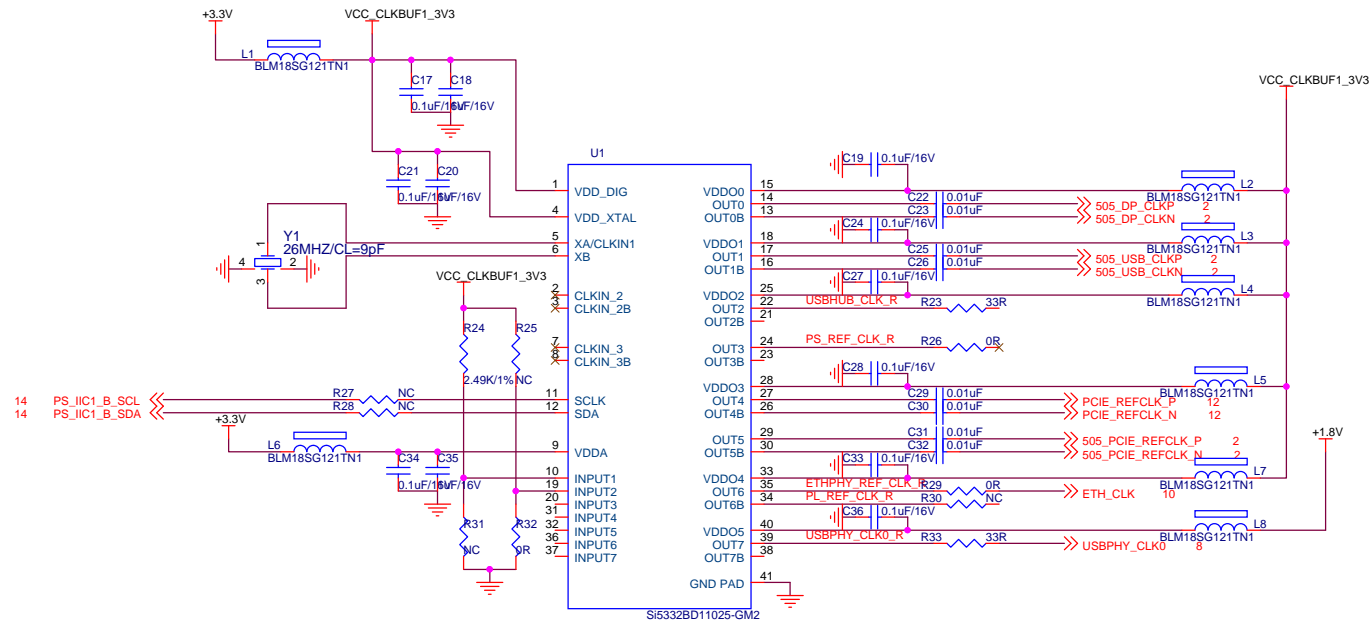
FPGA DONE LED



MODE[3:0] BOOT MODE Description

MODE[3:0]	BOOT MODE	Description
0000	PS JTAG	PS JTAG Interface
0001	Quad_SPI(24b)	24-Bit addresssing(QSPI24)
0010	Quad_SPI(32b)	32-Bit addresssing(QSPI32)
0011	SD0(2.0)	SD2.0
0100	NAND	Requires 8-bit data bus width
0101	SD1(2.0)	SD2.0
0110	eMMC(1.8V)	eMMC version 4.5 at 1.8V
0111	USB0(2.0)	USB 2.0 only
1000	PJTAG(MIO #0)	PJTAG connection 0 option
1001	PJTAG(MIO #1)	PJTAG connection 1 option
1110	SD1 LS(3.0)	SD 3.0





DP CLOCK = 27Mhz

USB CLOCK = 26Mhz

USB HUB CLOCK = 25Mhz

PS REF CLOCK = 33.3333Mhz

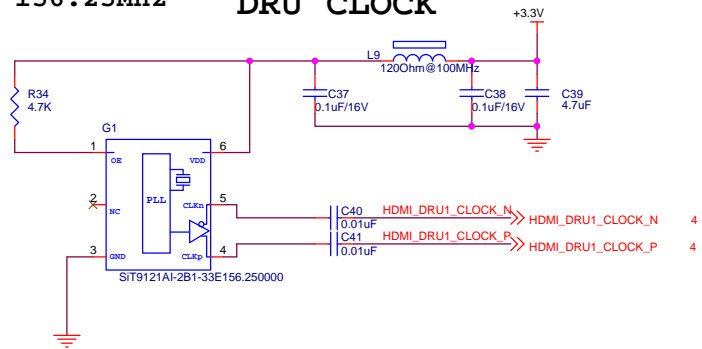
PCIE REF CLOCK = 100Mhz

PCIE REF CLOCK = 100Mhz

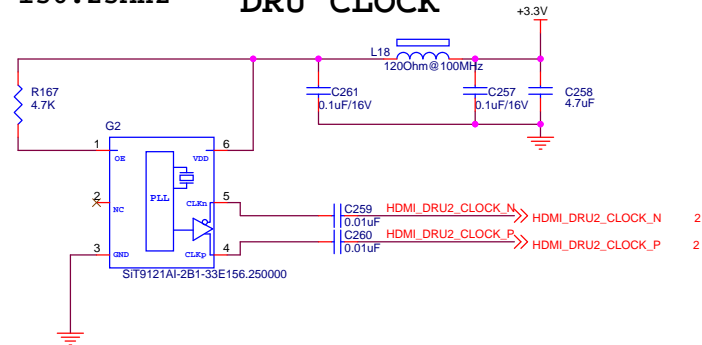
ETHPHY REF CLOCK = 25Mhz

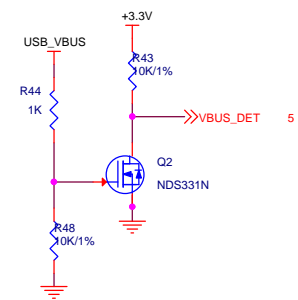
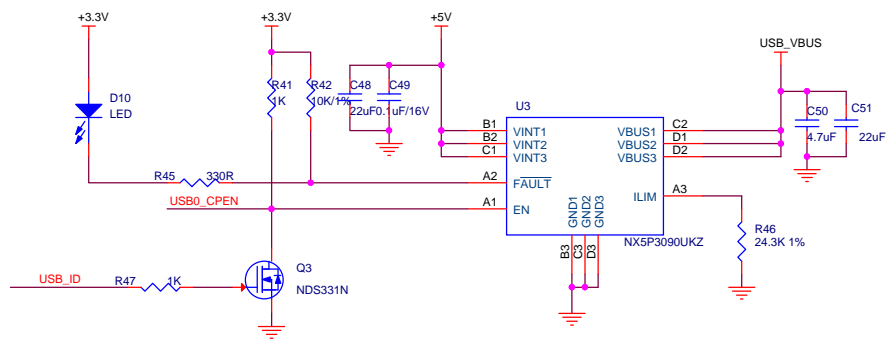
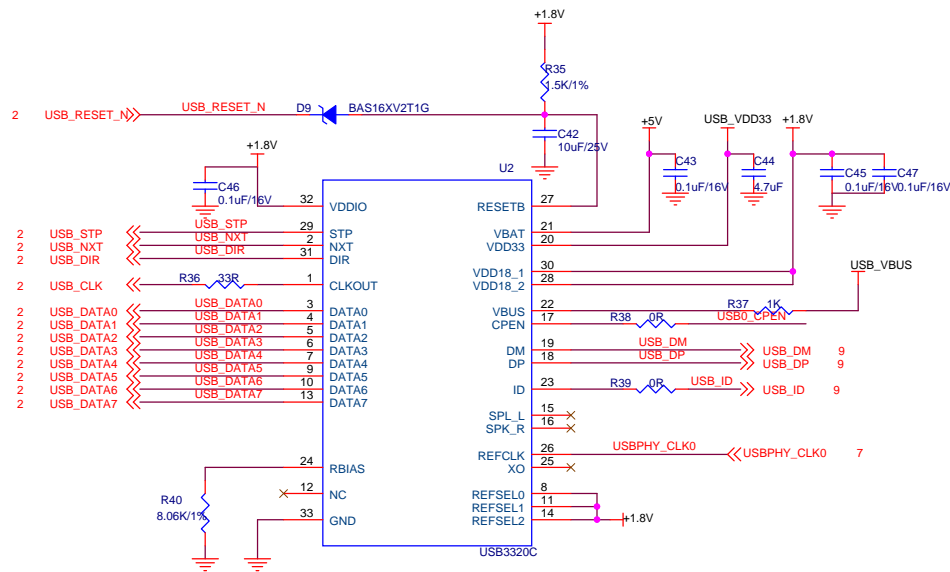
USBPHY CLOCK = 24Mhz

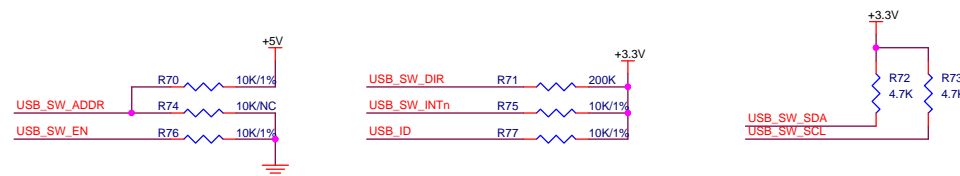
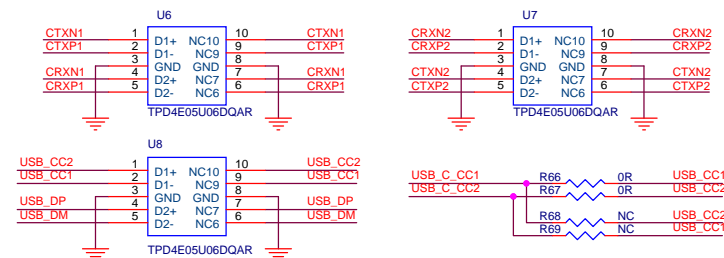
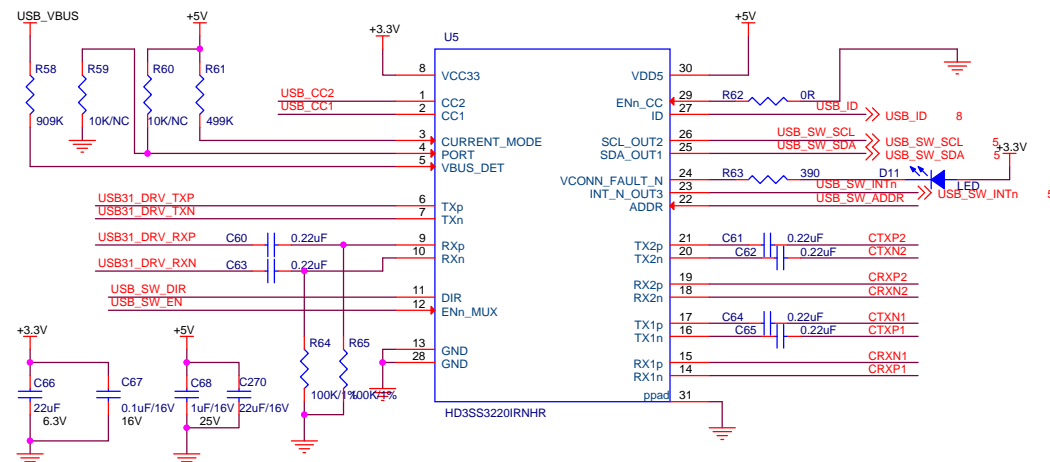
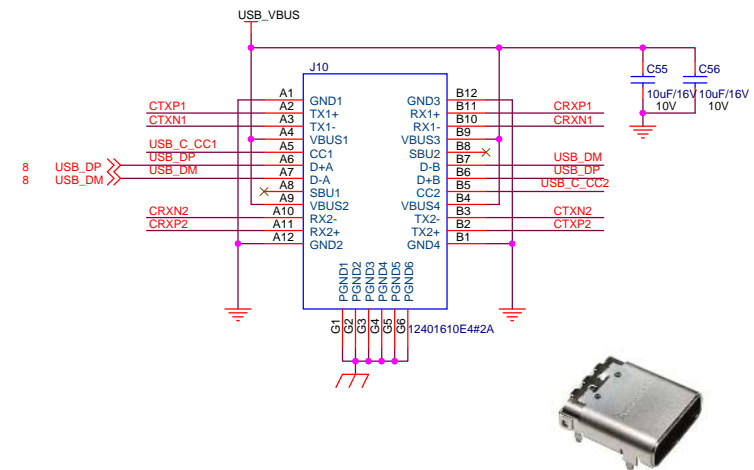
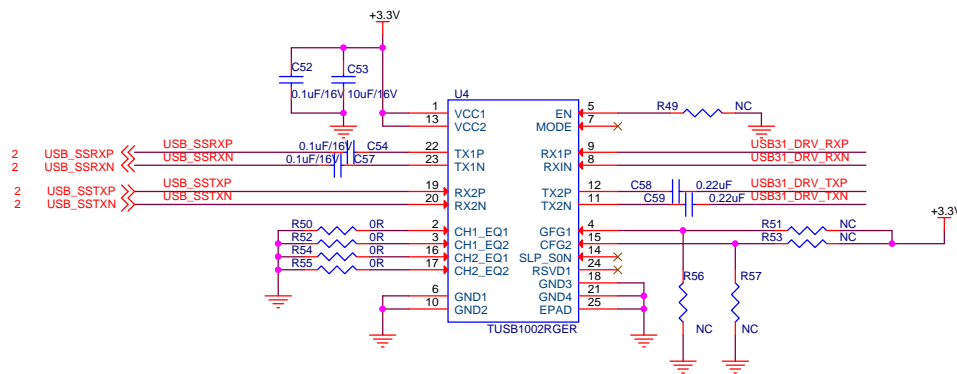
156.25MHz DRU CLOCK



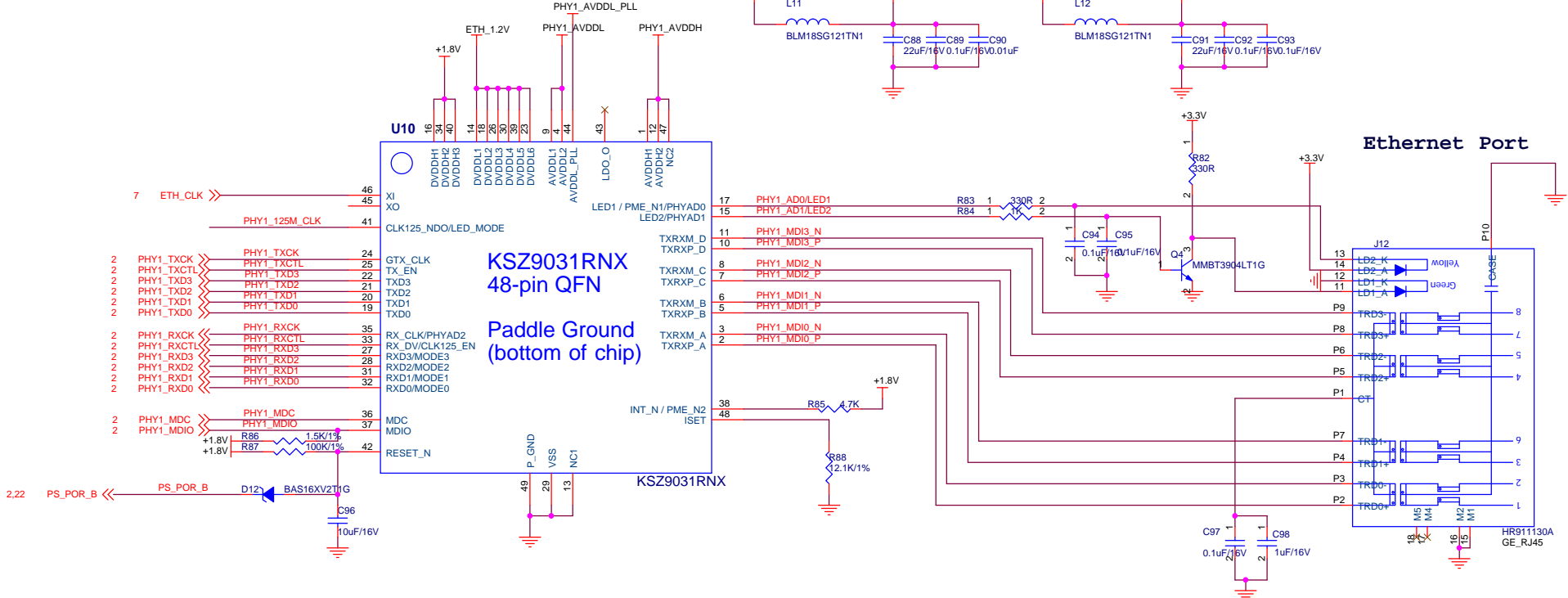
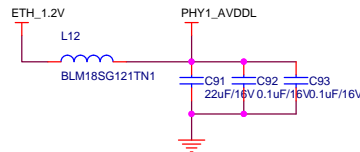
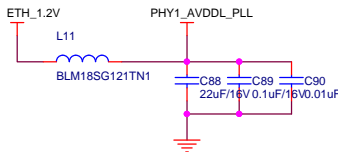
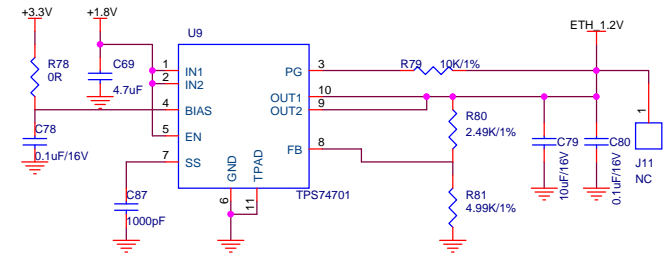
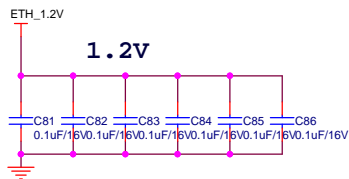
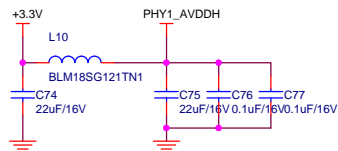
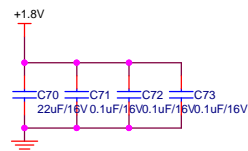
156.25MHz DRU CLOCK



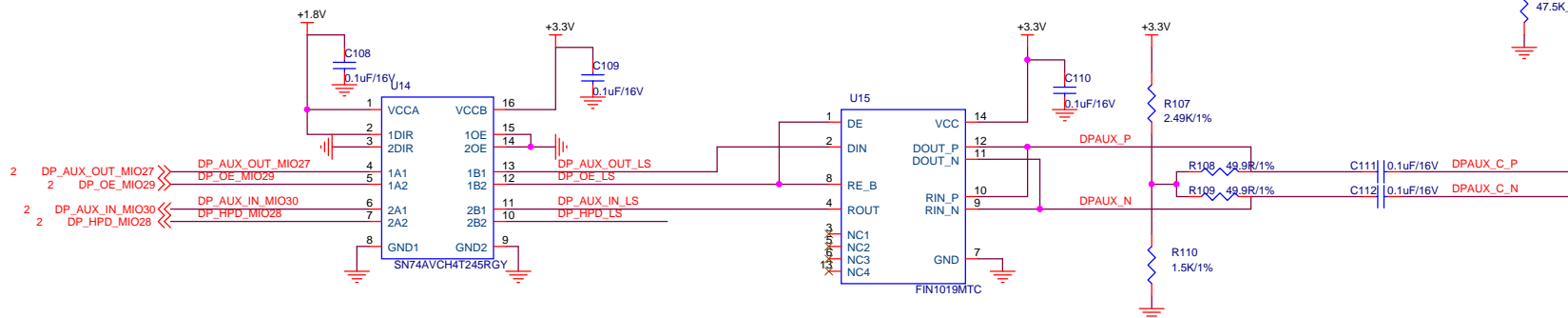
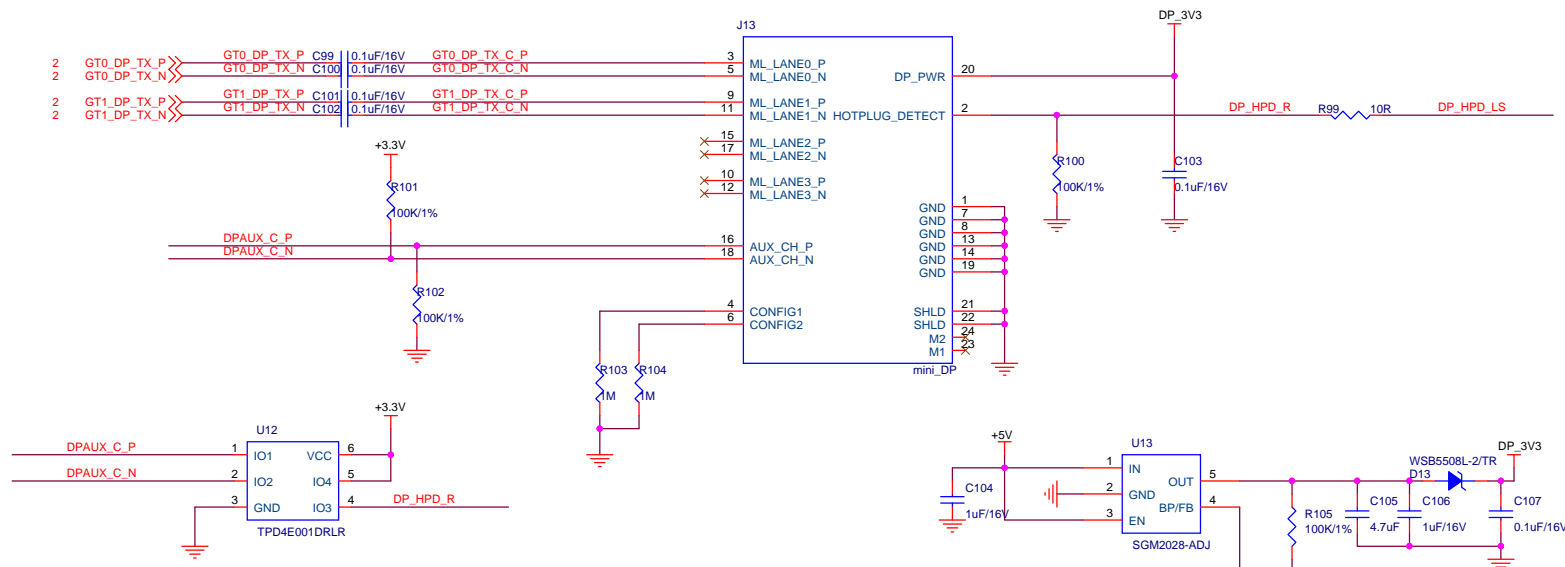
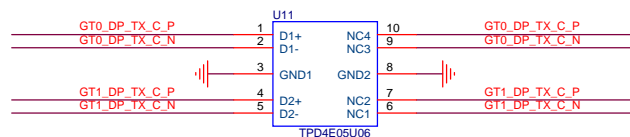


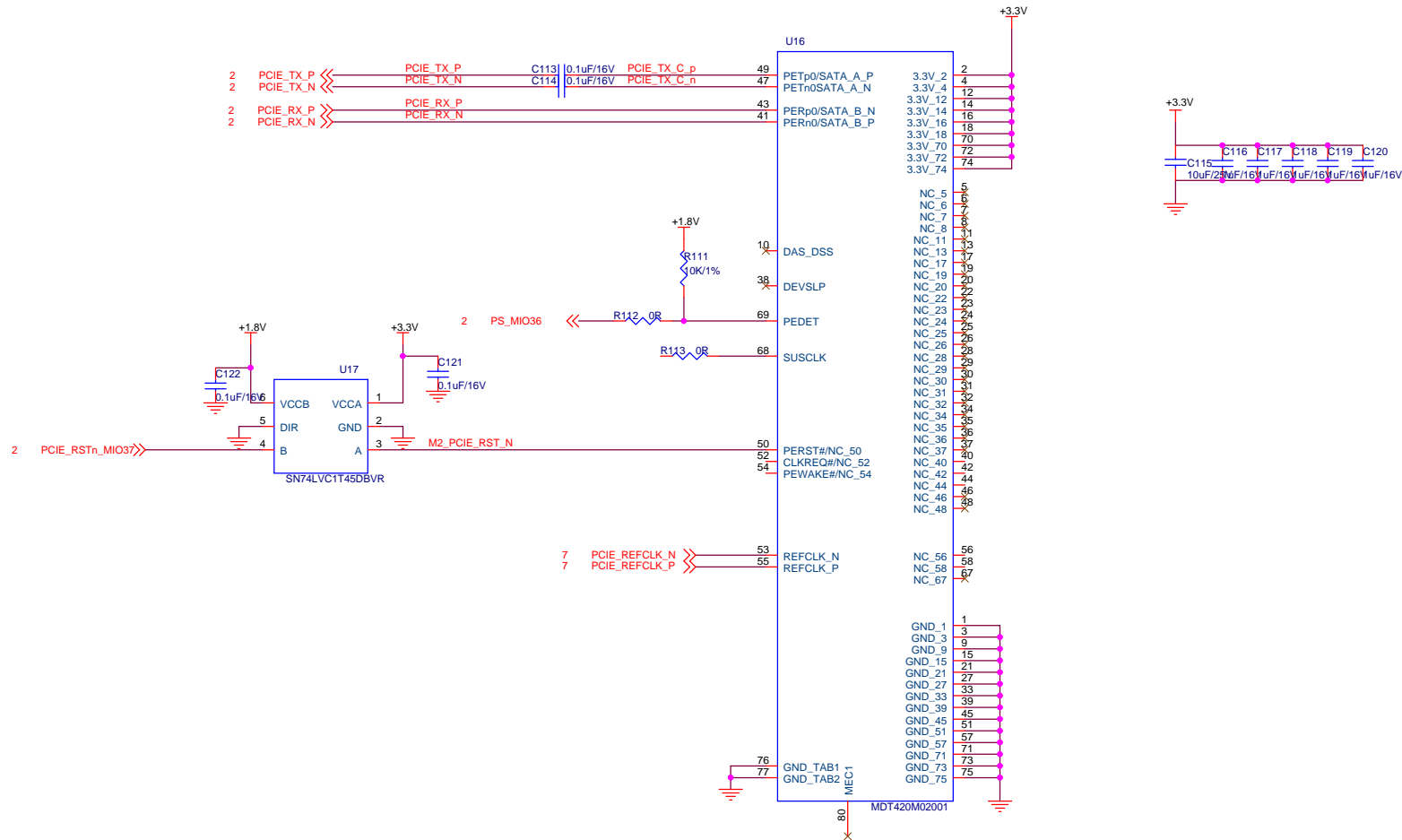


I2C 7-bit address is 0x67

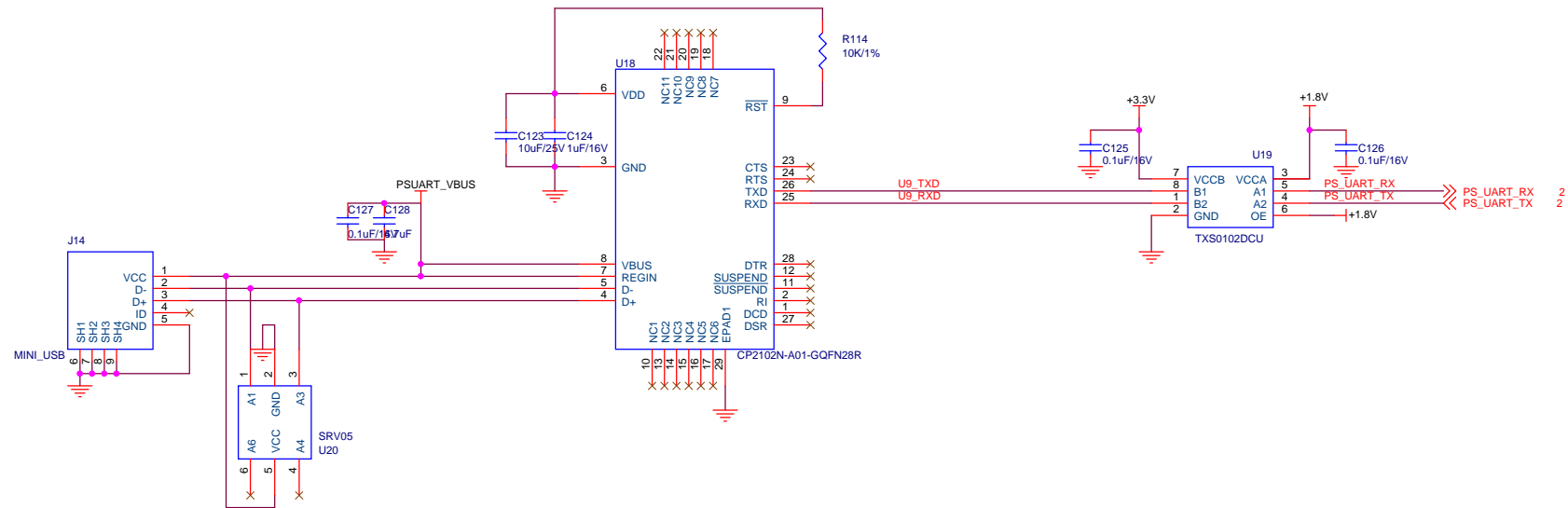


Disable 125Mhz Clock out Single-LED mode RGMII mode - Advertise all capabilities PHY Address is 001

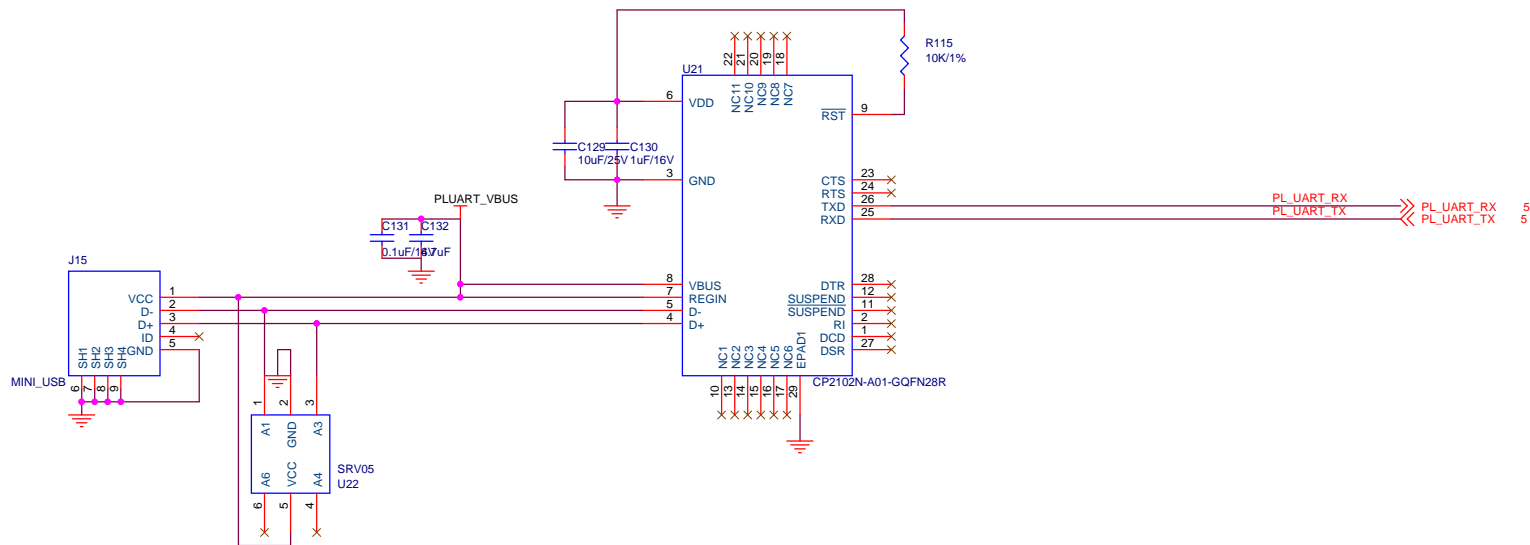


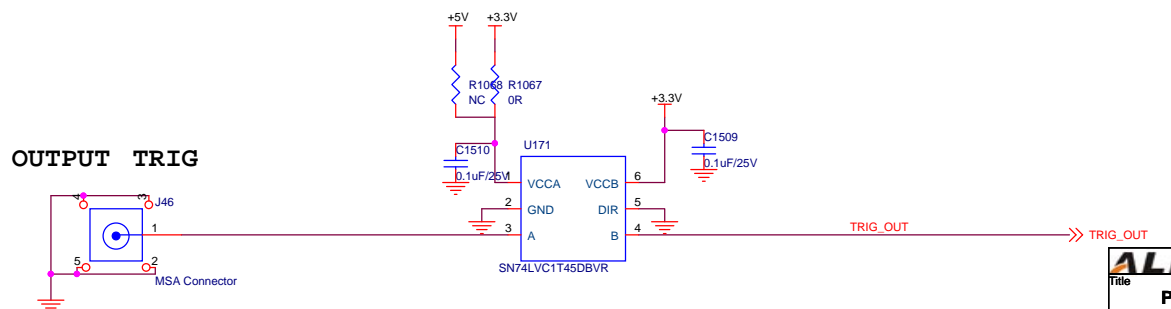
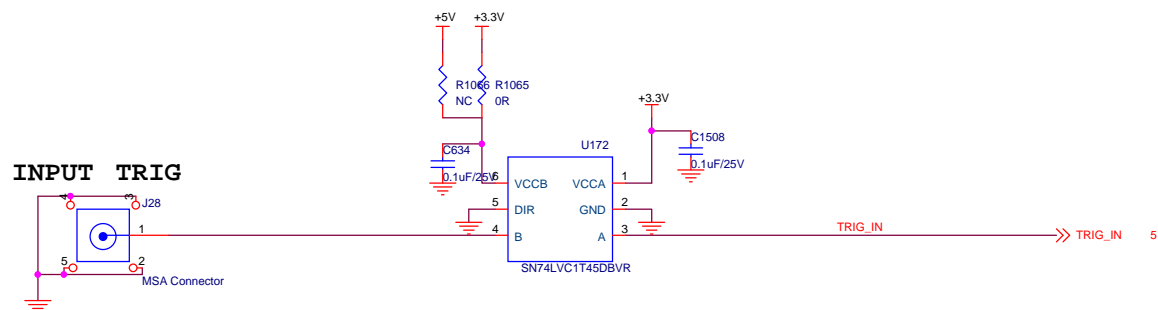
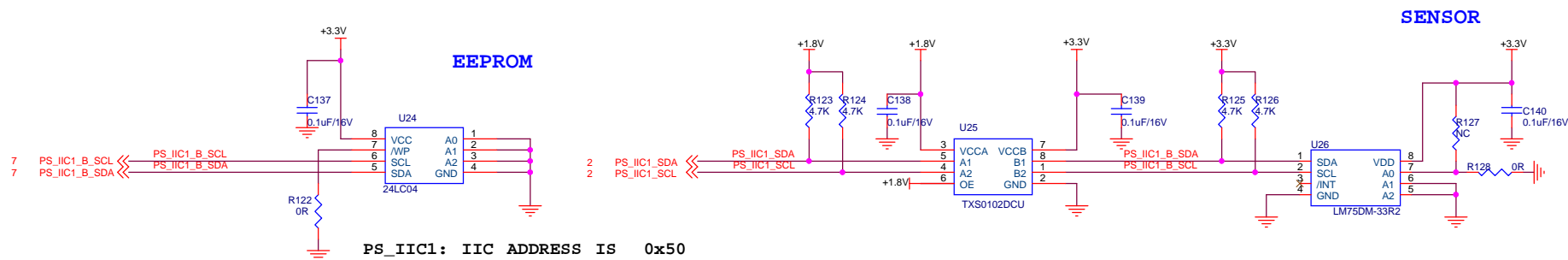
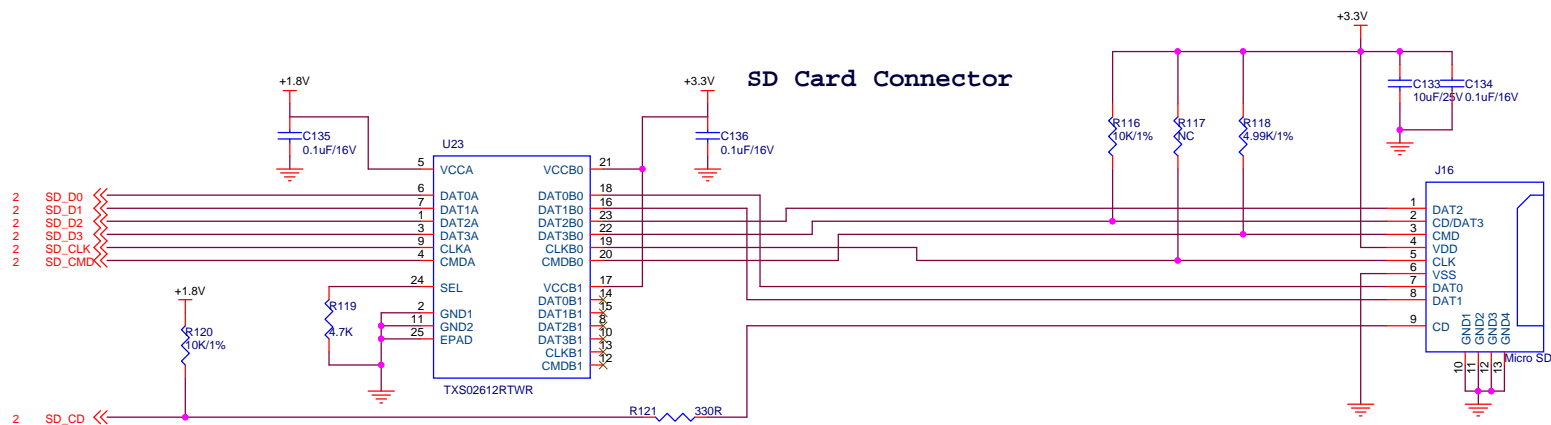


PS UART PORT

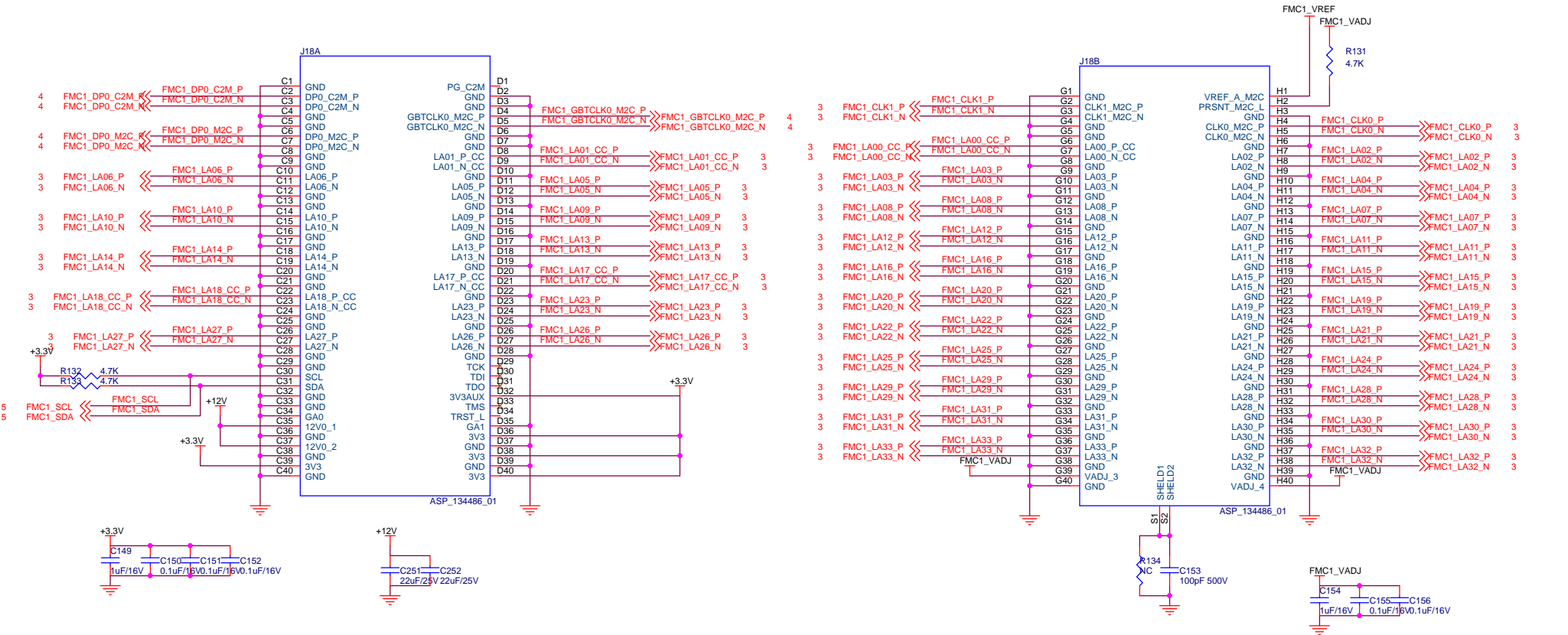


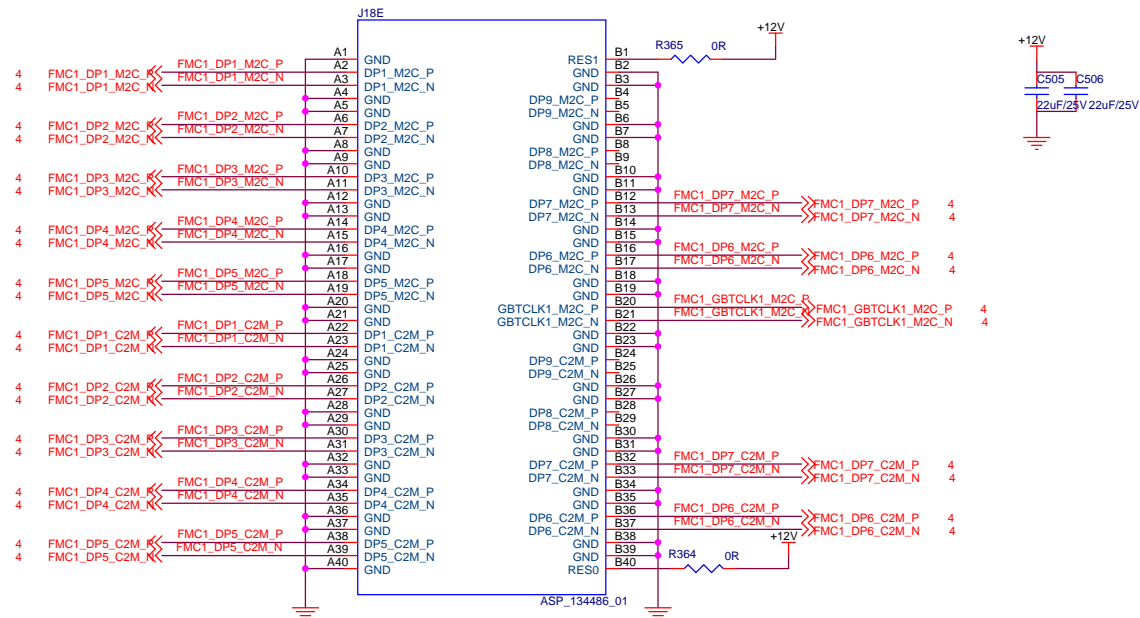
PL UART PORT

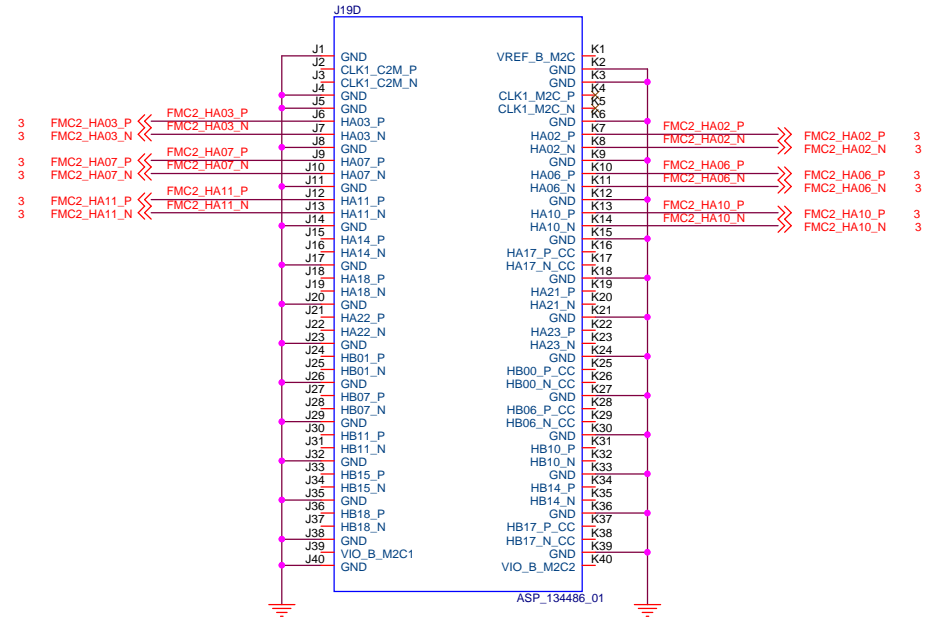
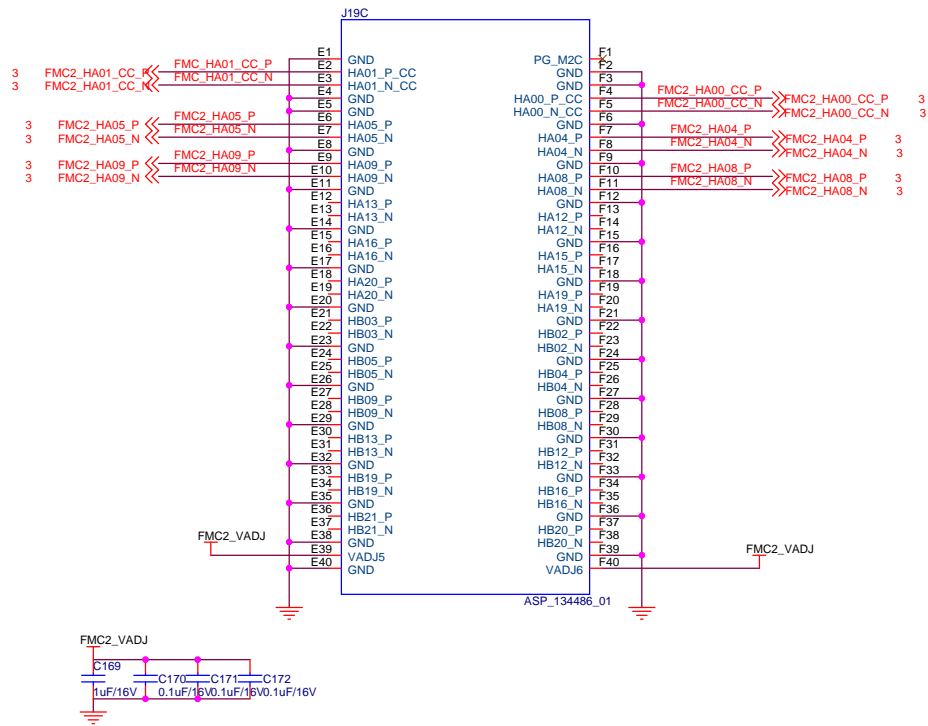


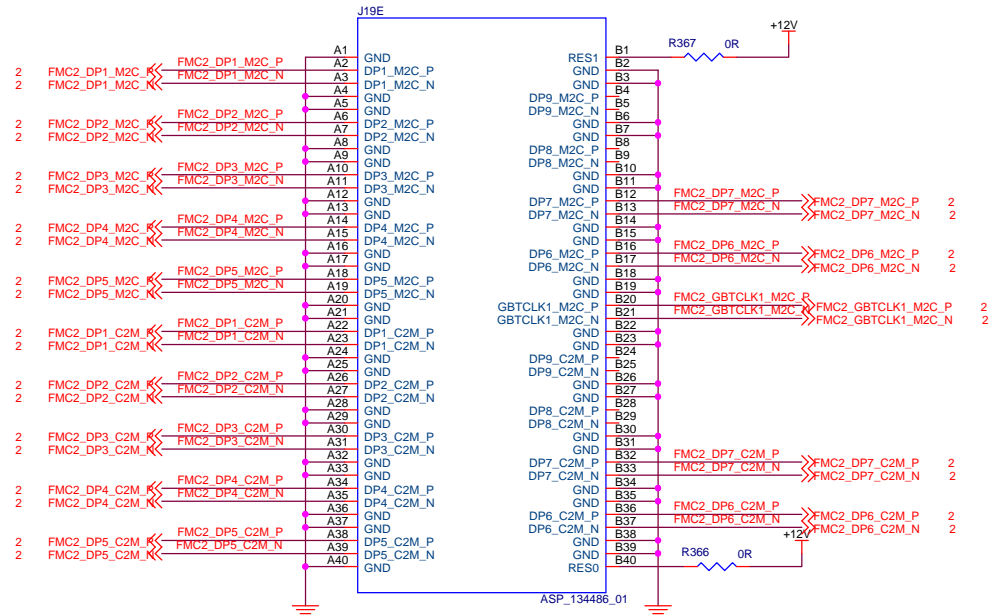


ALINX Confidential

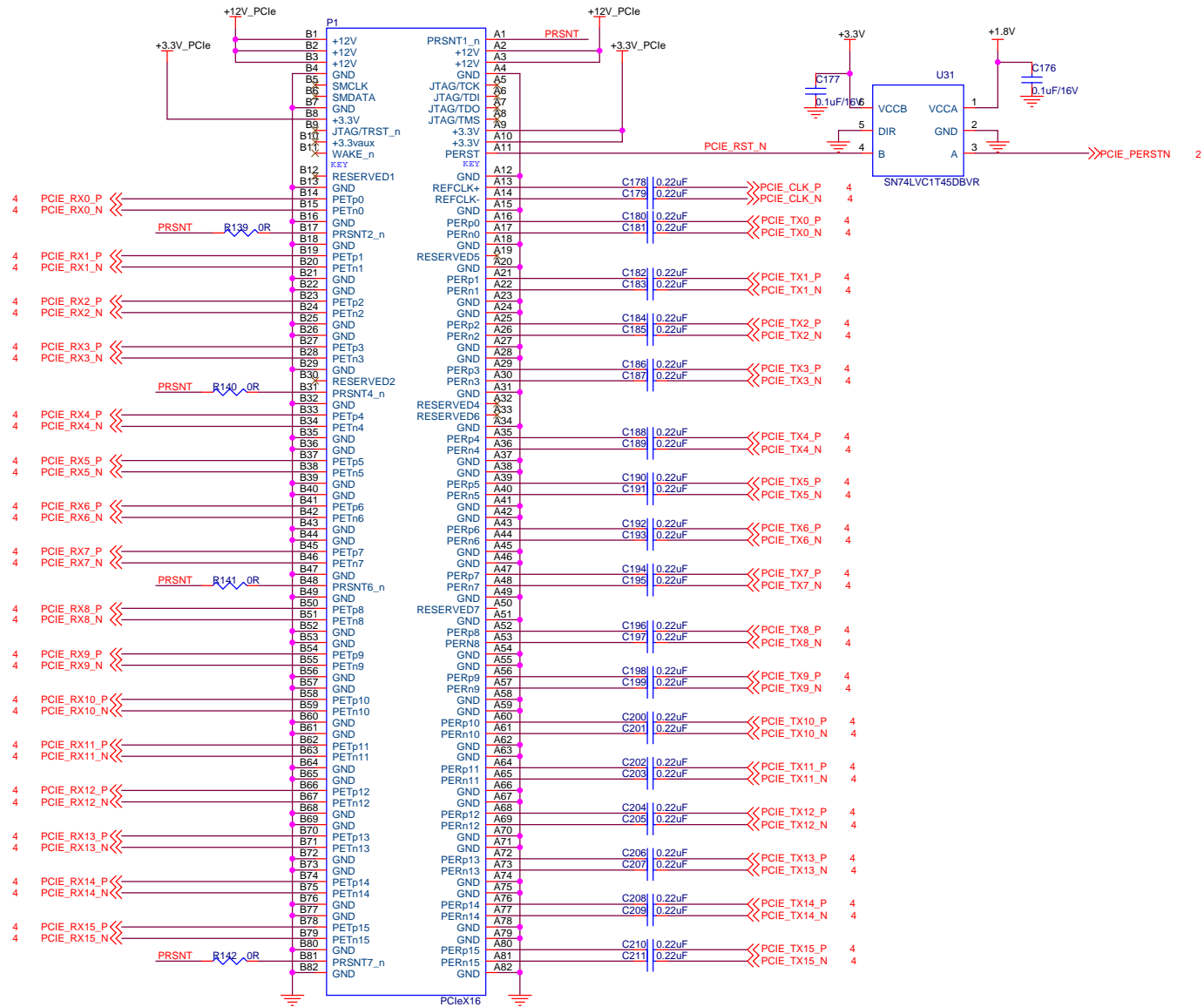


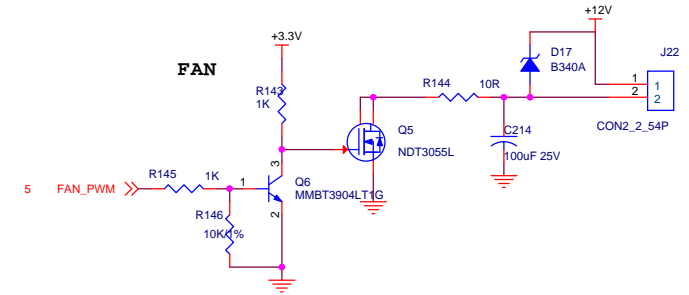
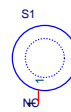
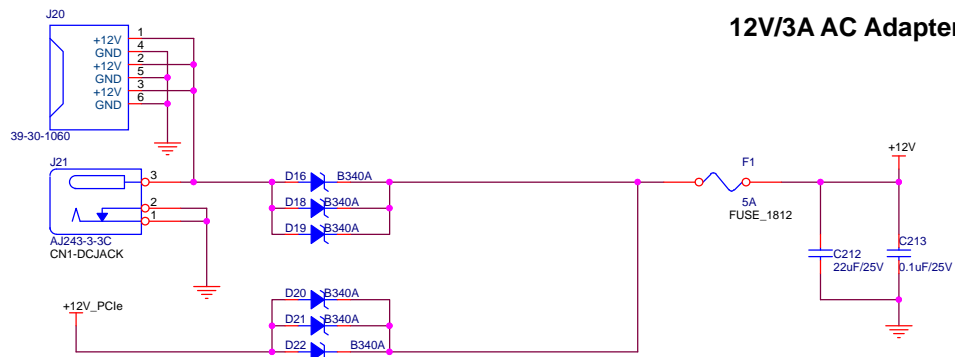




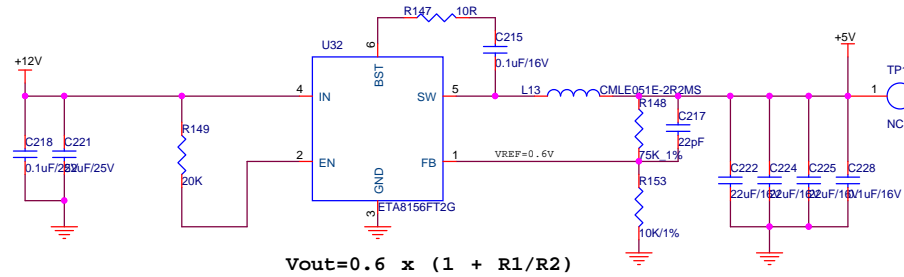


PCIE X8 Socket



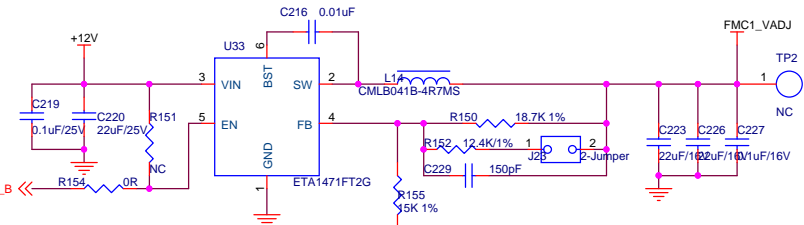


+5V POWER

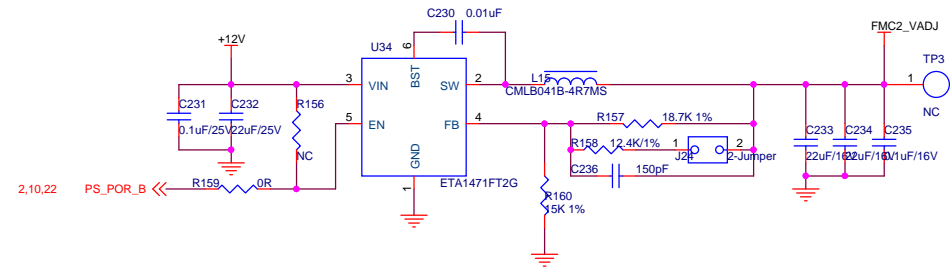


$$V_{out} = 0.6 \times (1 + R1/R2)$$

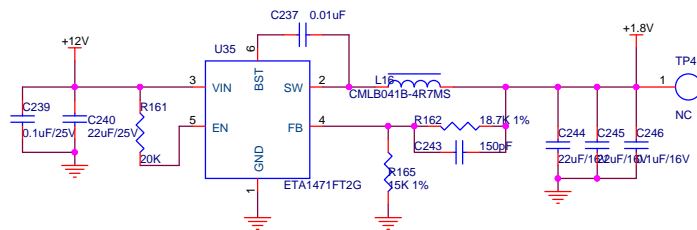
1.8V or 1.2V POWER 3A



1.8V or 1.2V POWER 3A

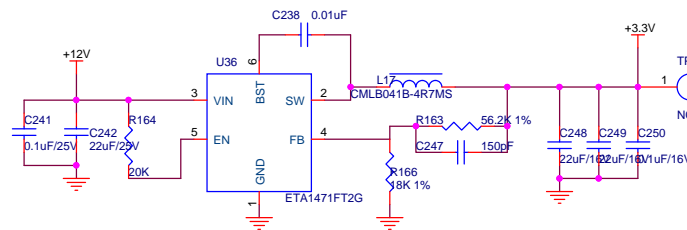


+1.8V POWER



$$V_{out} = 0.8 \times (1 + R1/R2)$$

+3.3V POWER



$$V_{out} = 0.8 \times (1 + R1/R2)$$

