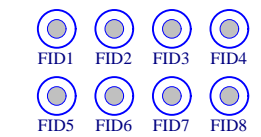
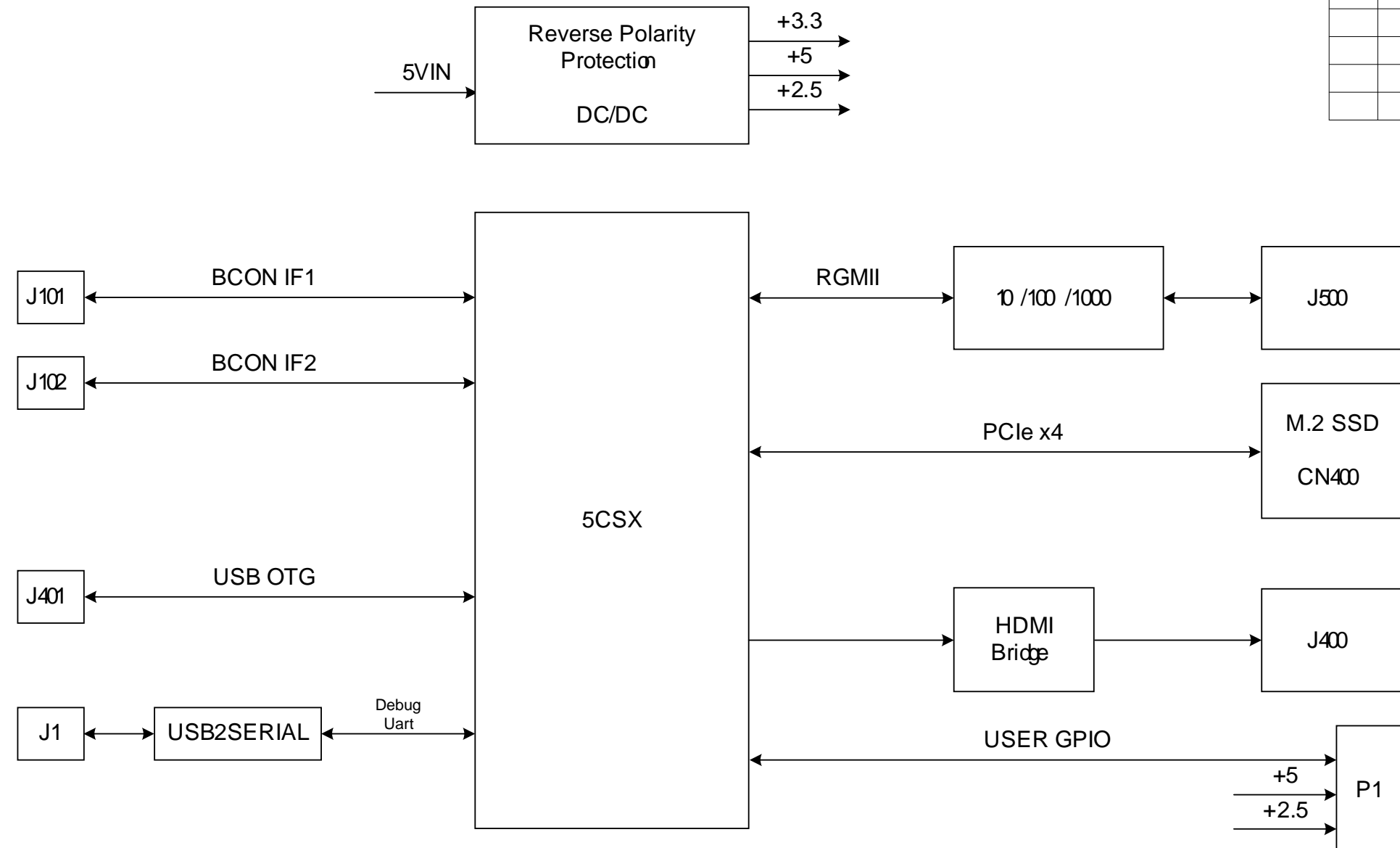


REV	DESCRIPTION	ECR No	INITIALS	DATE
1A	Initial Design Release	1433	AKS	06/22/2017
1B	MOD Kit to address initial release issues	1465	KZ	08/10/2017
1C	Updated CN400 PN, add PEMs, correct power switch, USB OTG and USB to Serial logic, adjust 2.5V	1480	AKS	09/06/2017



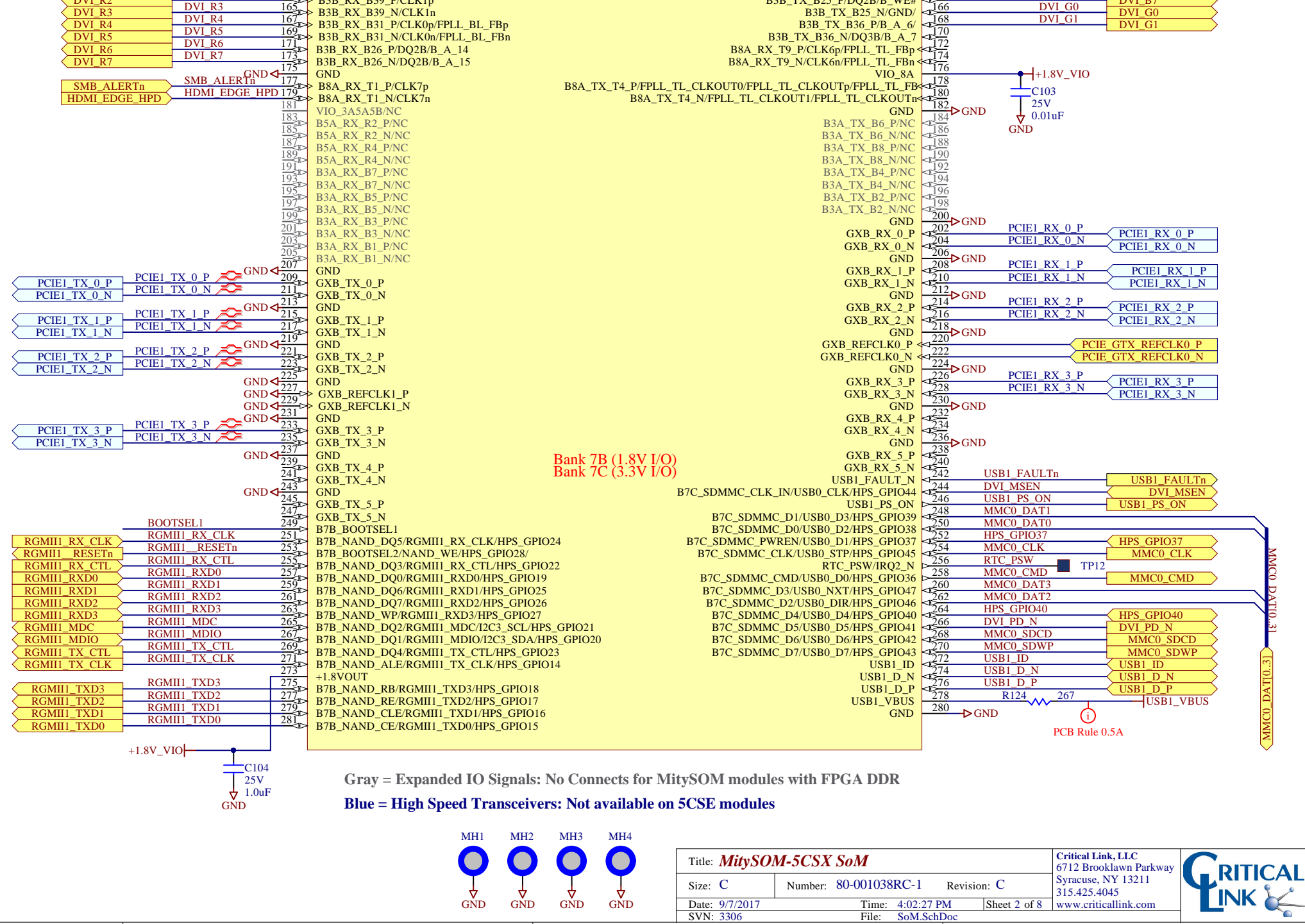
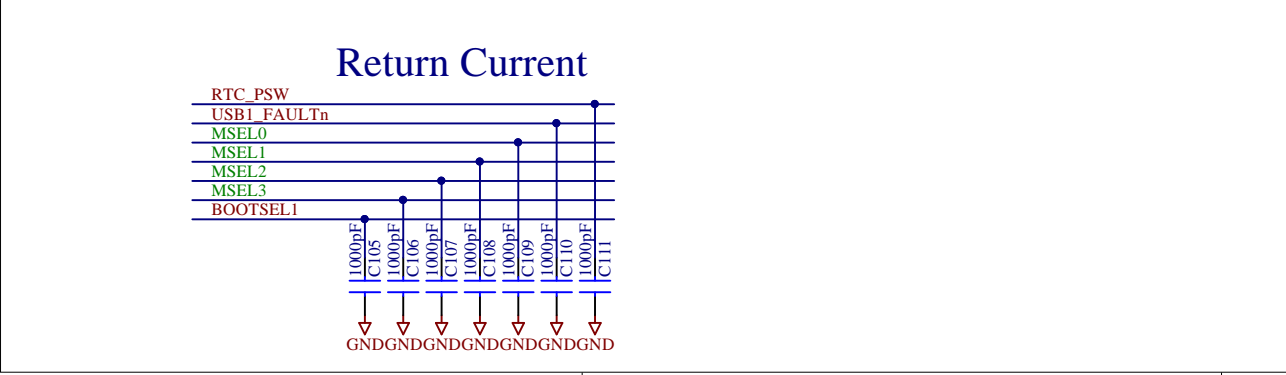
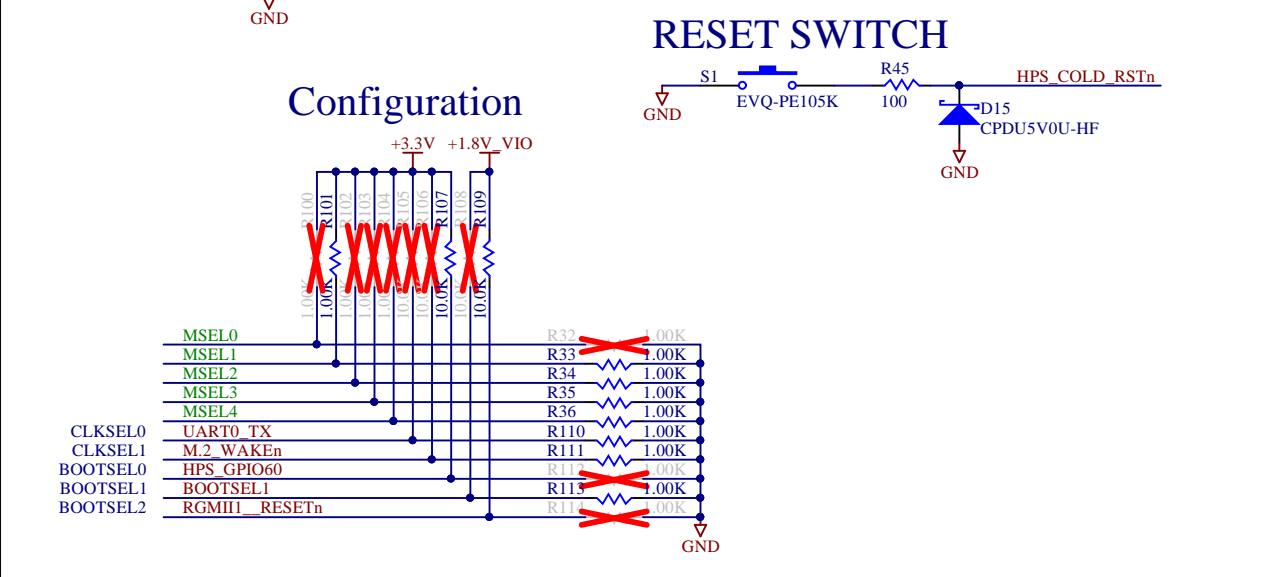
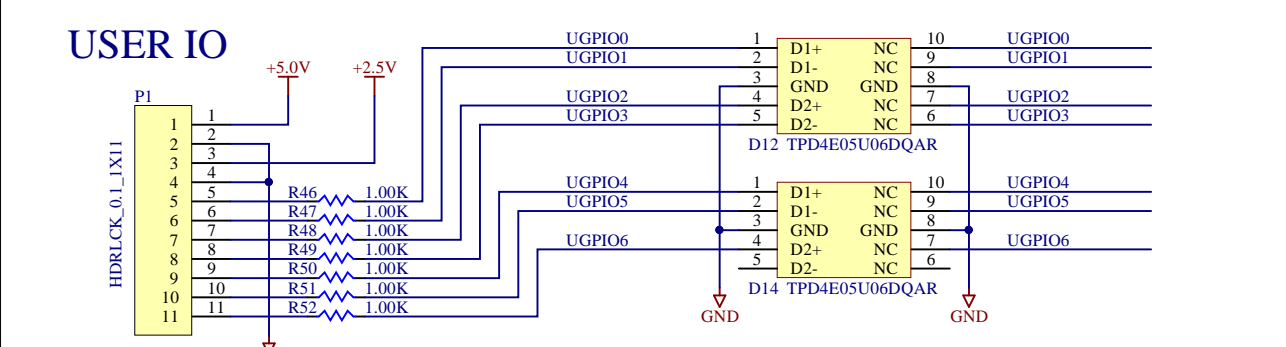
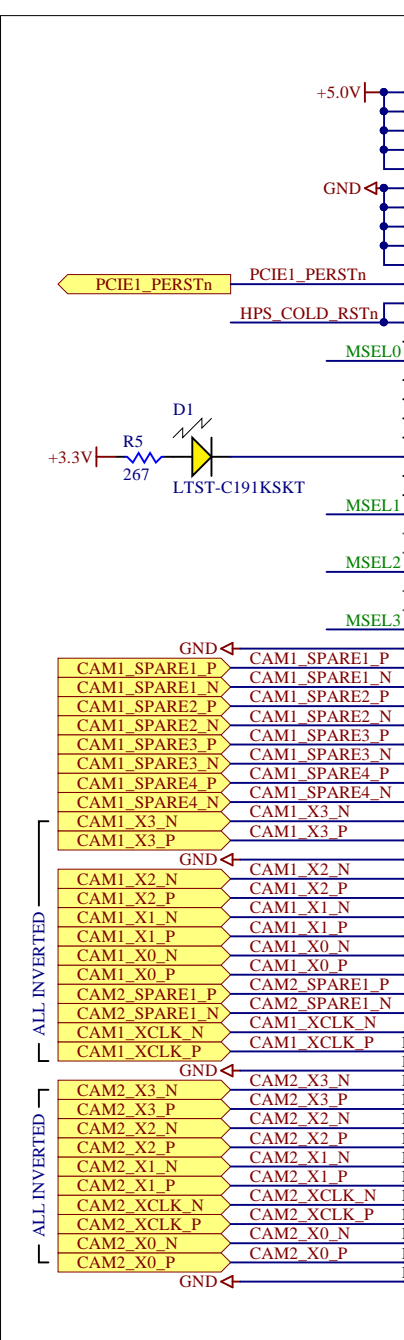
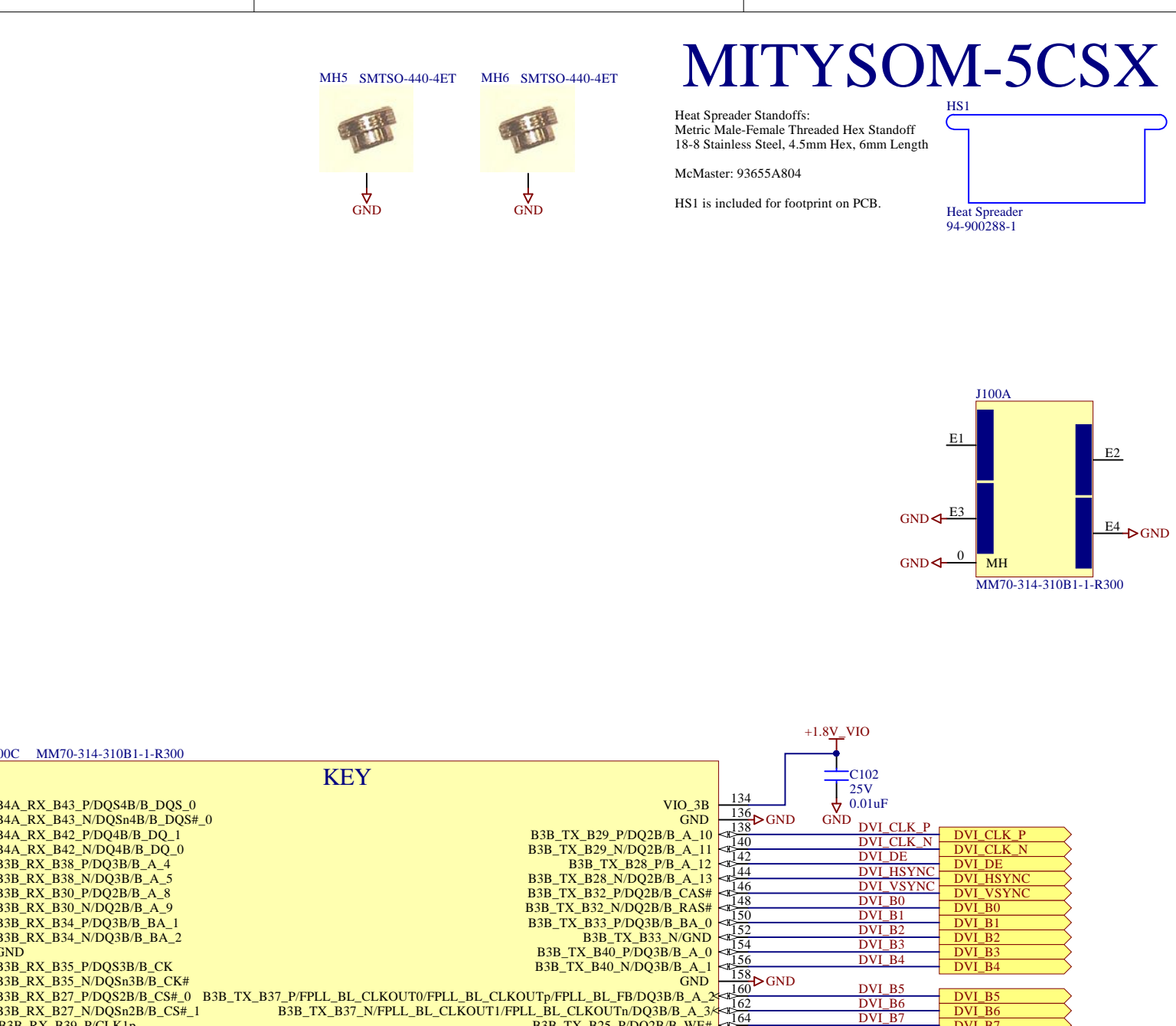
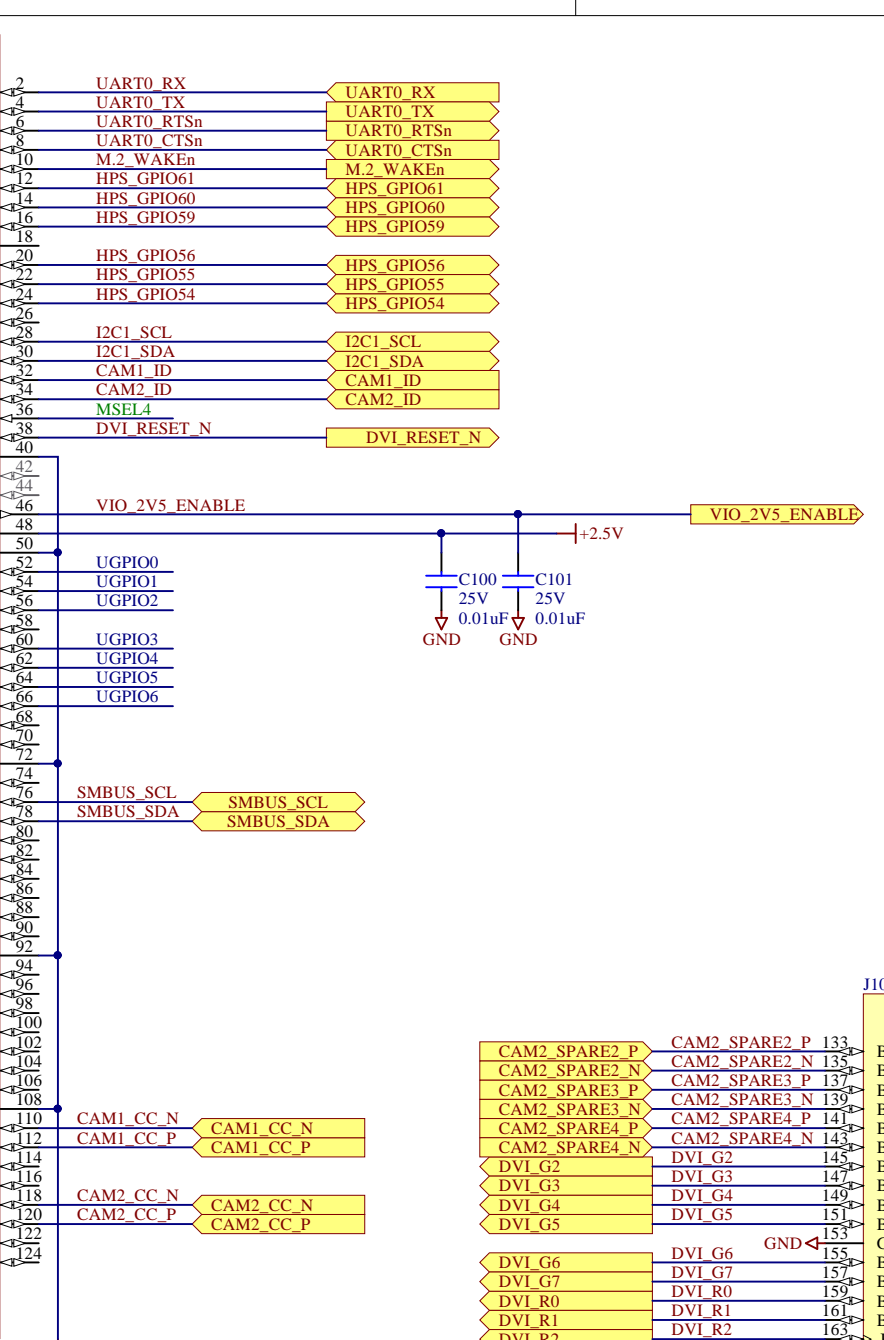
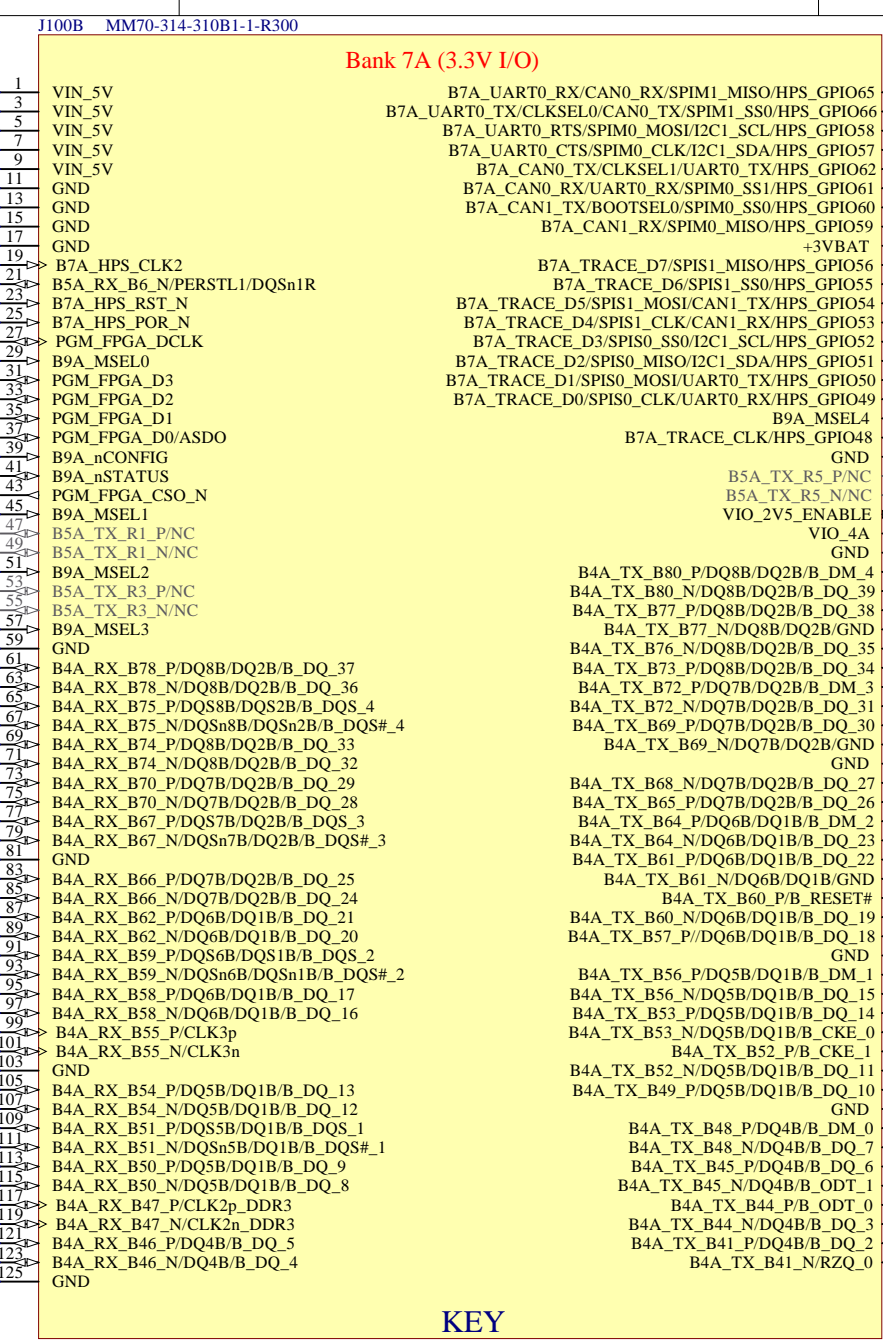
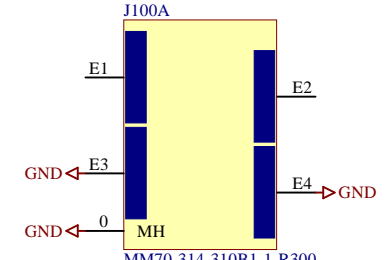
PCA Label
80-001038RC-1_RevC

PCB # 90-000344R-2_RevA
PN-PCB1

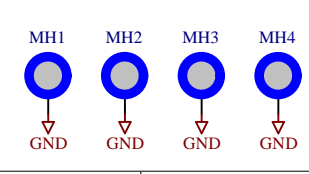
Title: PCA, Embedded VDK, Basler BCON		Critical Link, LLC 6712 Brooklawn Parkway Syracuse, NY 13211 315.425.4045 www.criticallink.com		
Size: B	Number: 80-001038RC-1	Revision: C		
Date: 9/7/2017	Time: 4:02:26 PM	Sheet 1 of 8		
SVN: 3312	File: Block_Diagram.SchDoc			

MITYSOM-5CSX

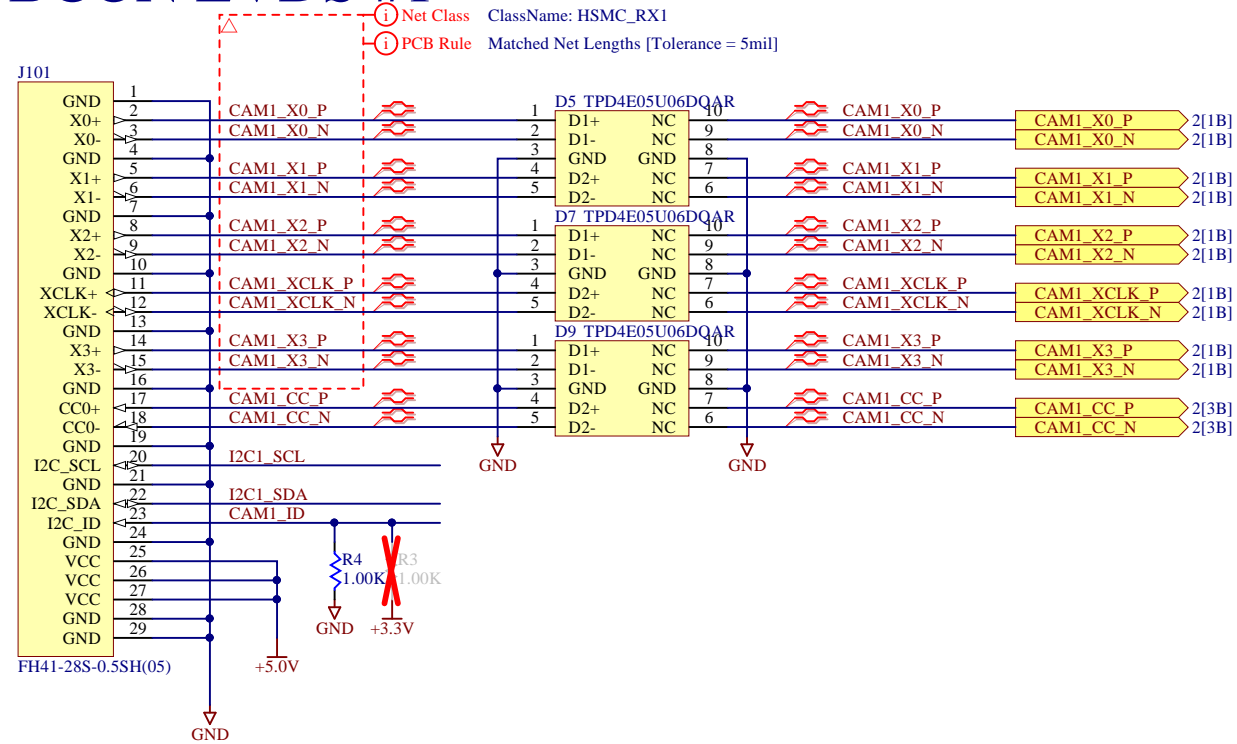
Heat Spreader Standoffs:
Metric Male-Female Threaded Hex Standoff
18-8 Stainless Steel, 4.5mm Hex, 6mm Length
McMaster: 93655A804
HS1 is included for footprint on PCB.
Heat Spreader
94-900288-1



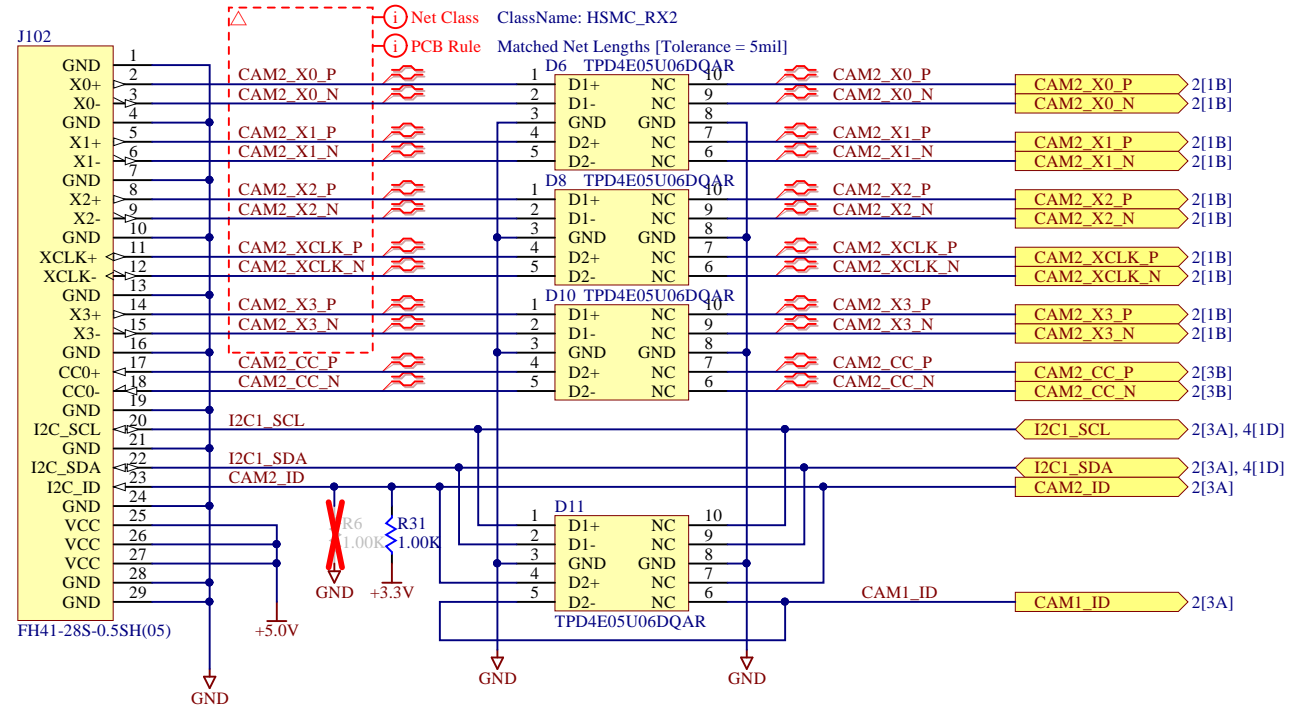
Gray = Expanded IO Signals: No Connects for MitySOM modules with FPGA DDR
Blue = High Speed Transceivers: Not available on 5CSX modules



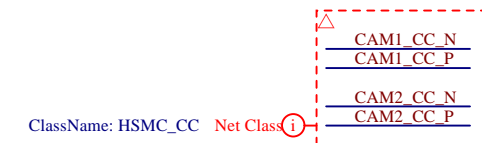
BCON LVDS #1

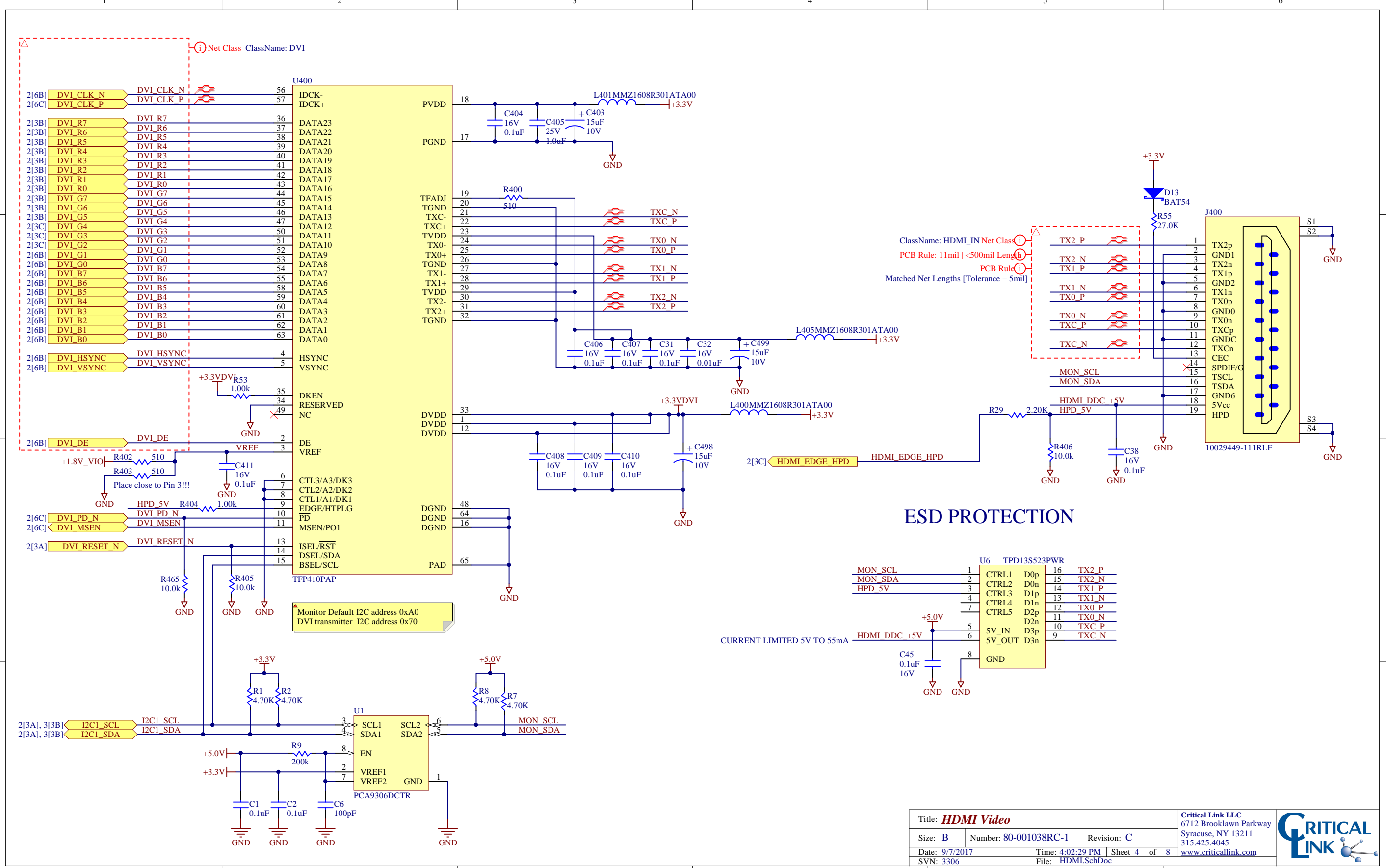


BCON LVDS #2



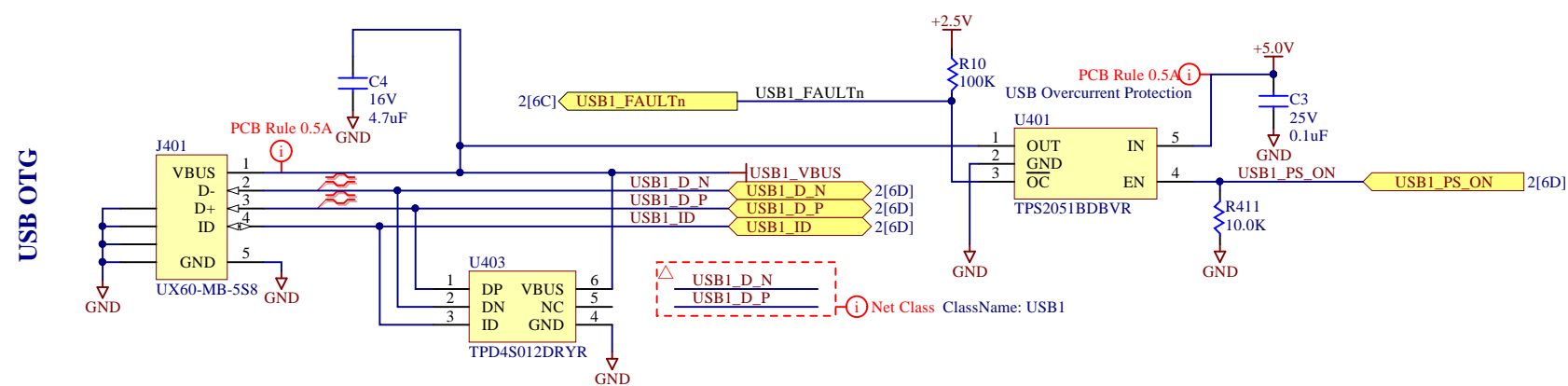
CAM_ID: 0x3C if '0' or 0x3D if '1'



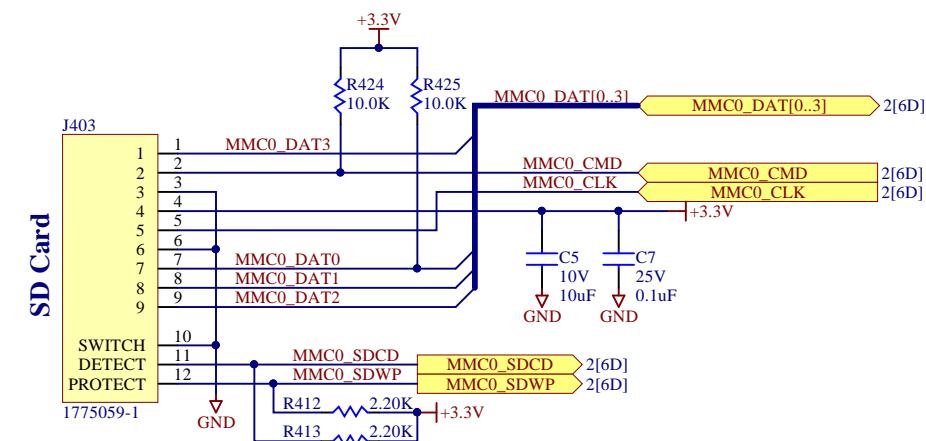


Interfaces

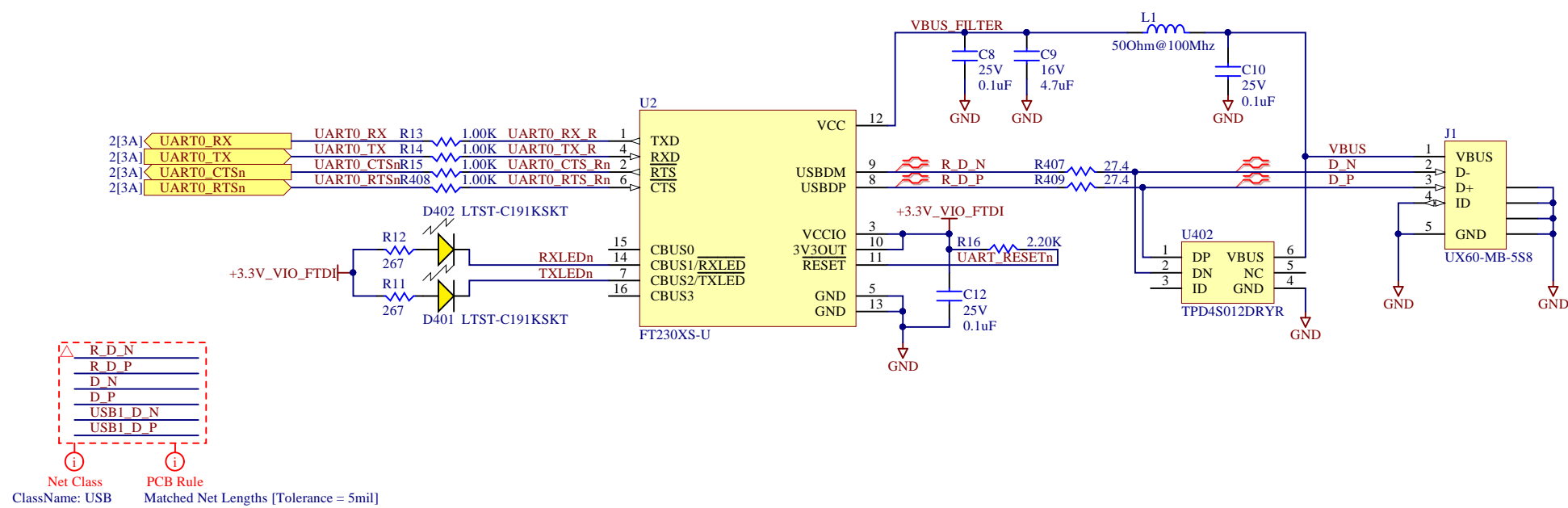
USB OTG



SD 4 Bit Mode

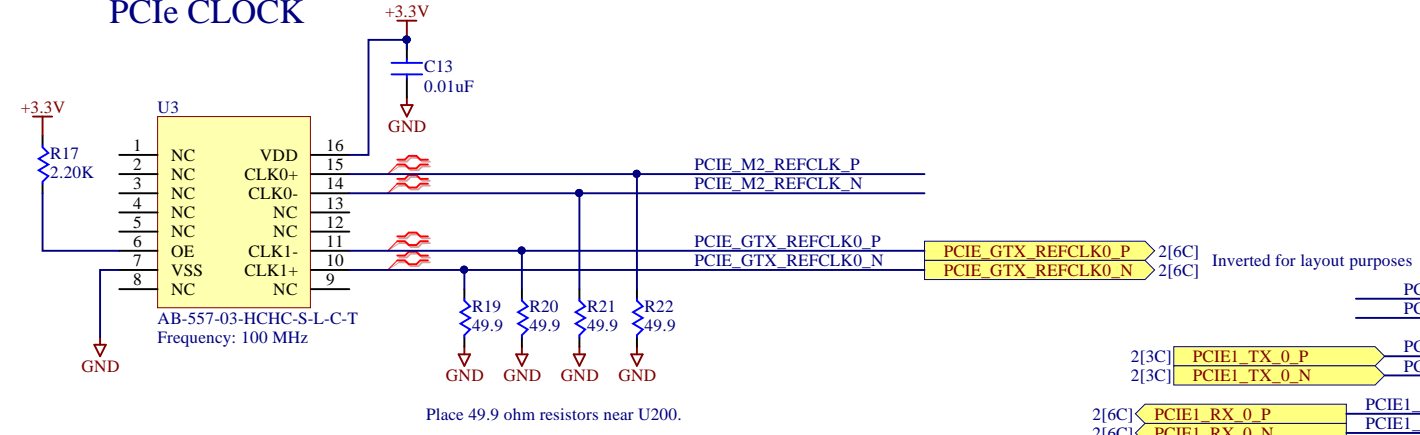


USB to Serial Interface (DEBUG IF)

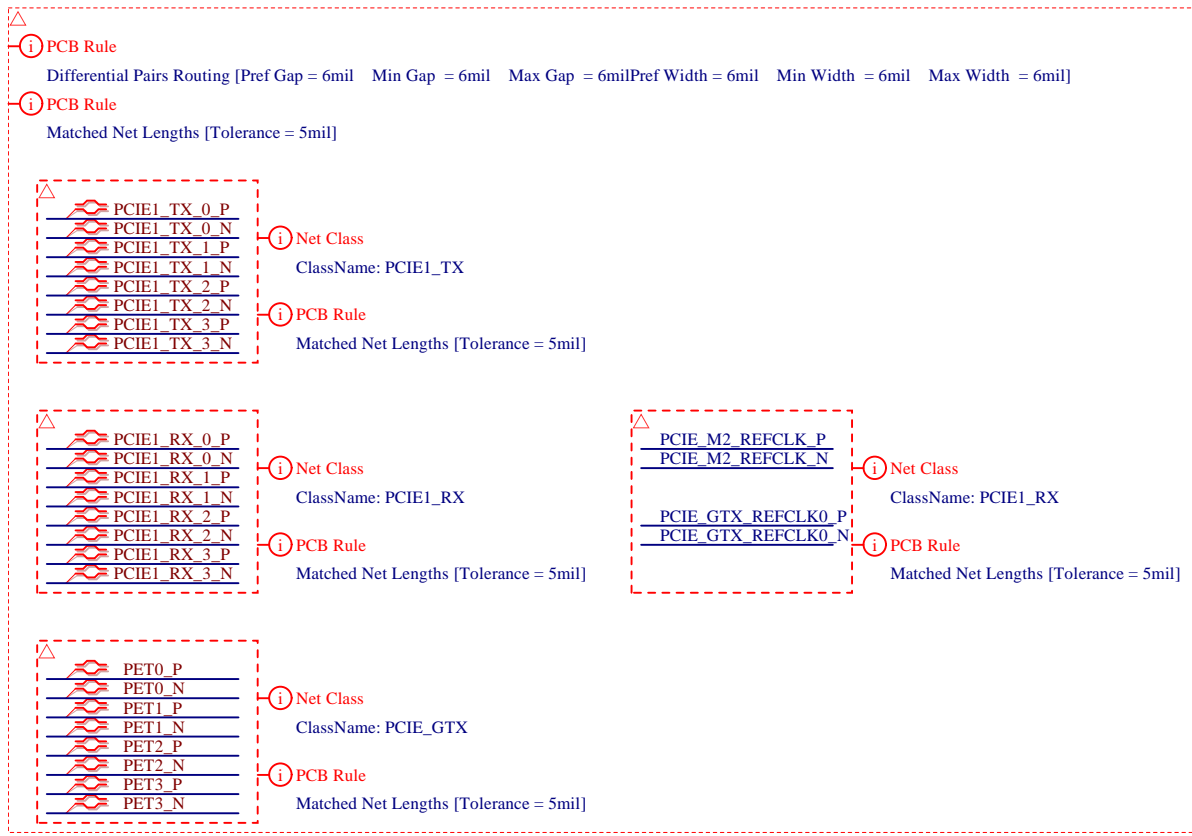
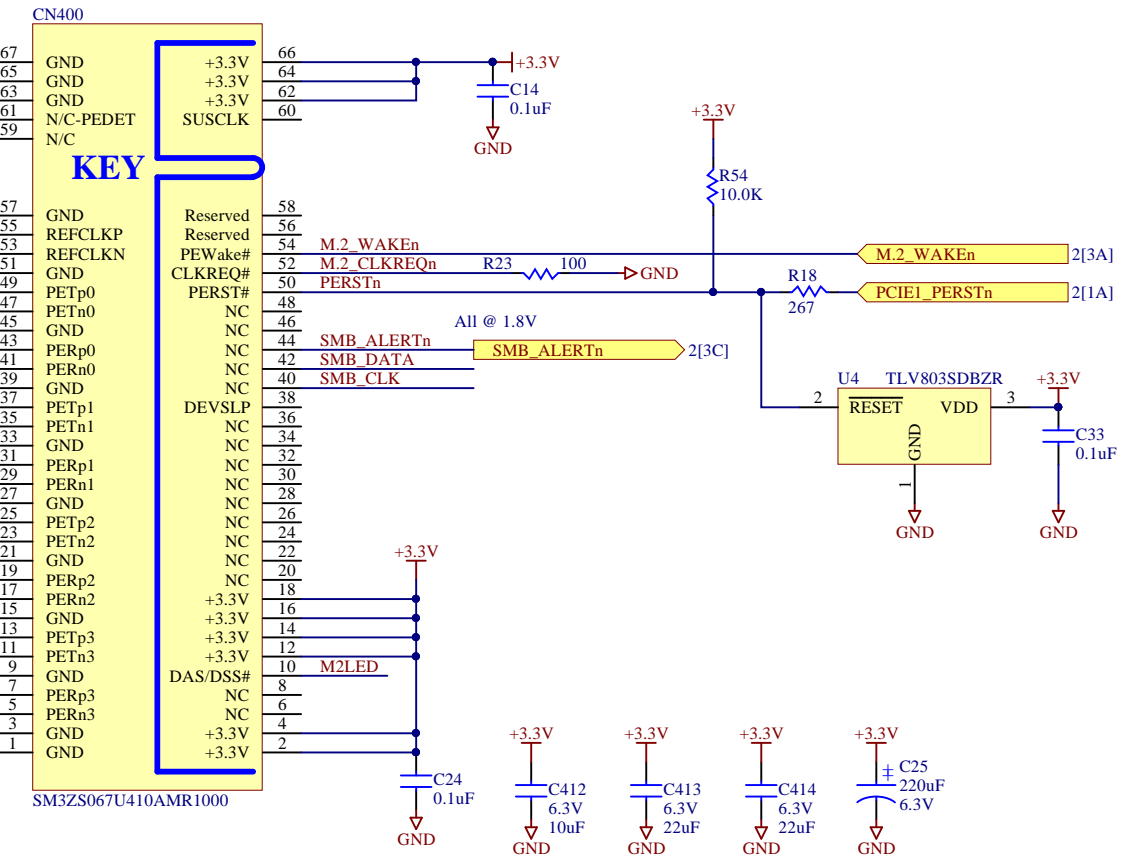
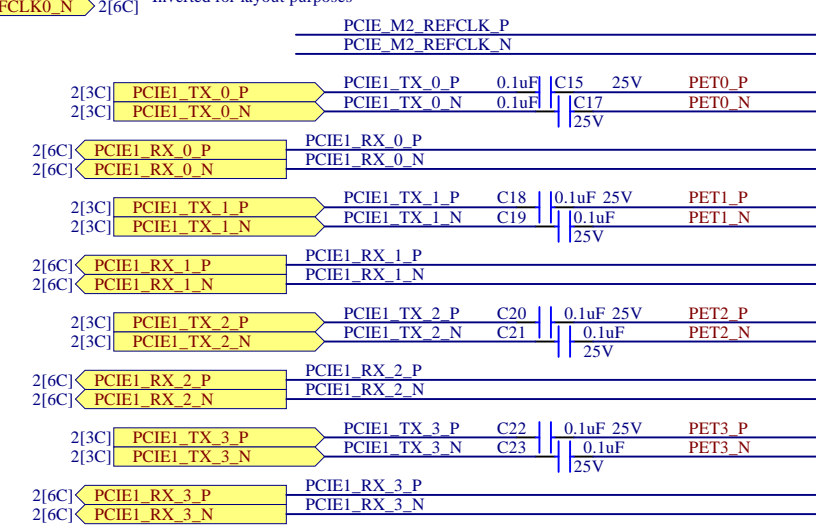
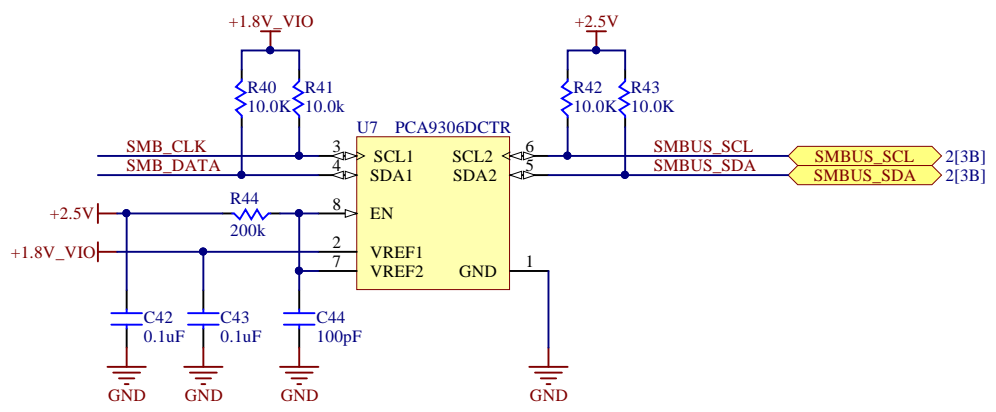


M.2 PCIe SSD

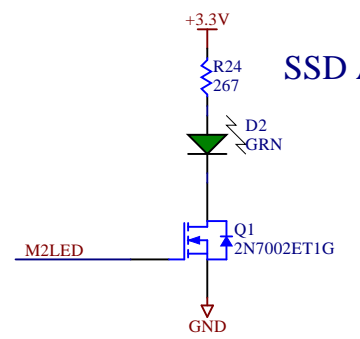
PCIe CLOCK



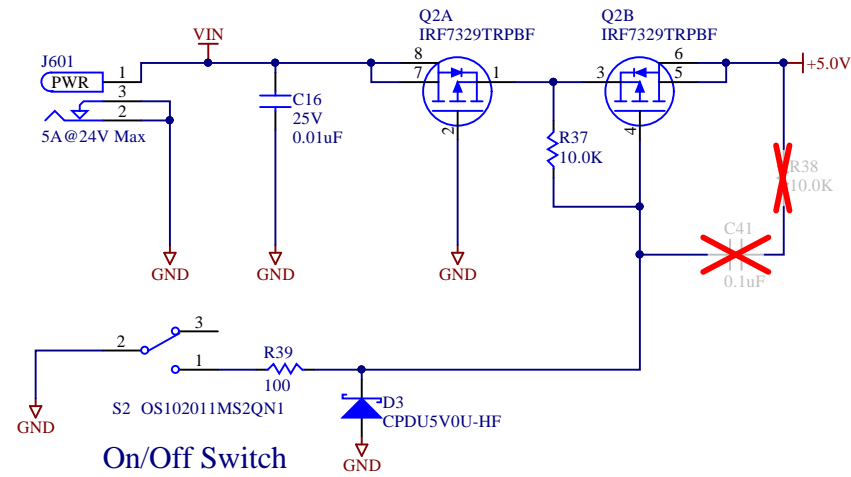
SMBus Level Translator



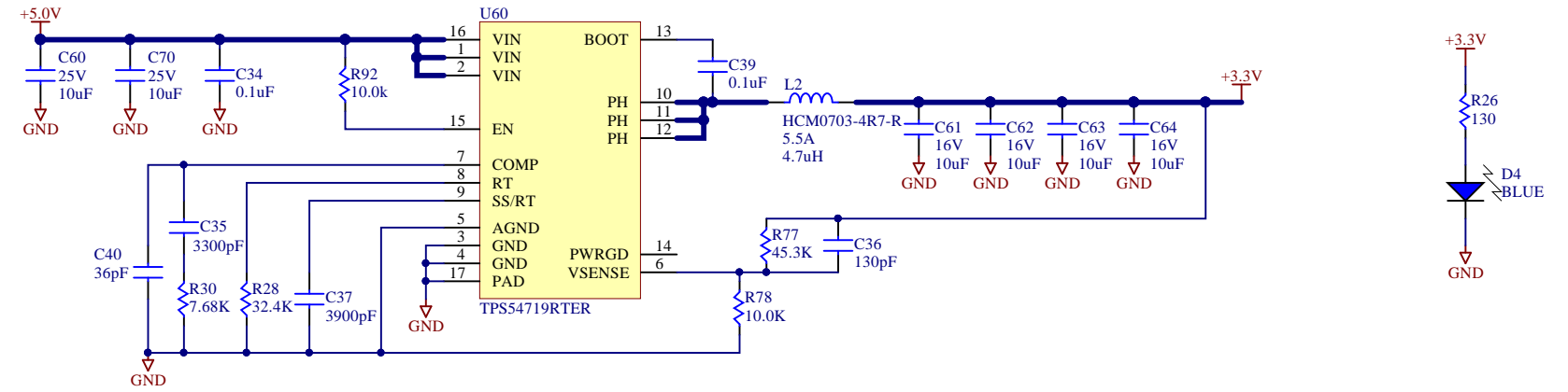
SSD Activity LED



**Power Input Connector
+5V@3Amp**



3.3V @ 4.0A, 90% EFFICIENT



2.5V @ 2.0A, 90% EFFICIENT

