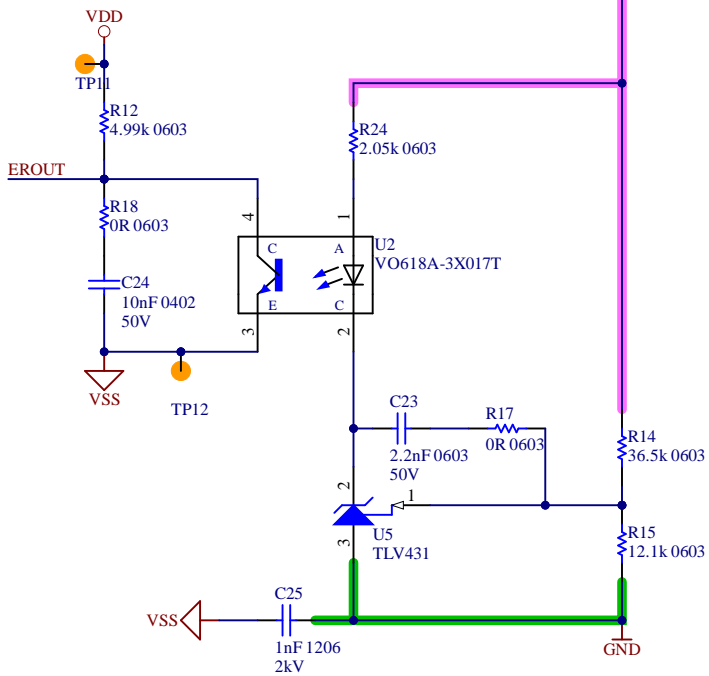
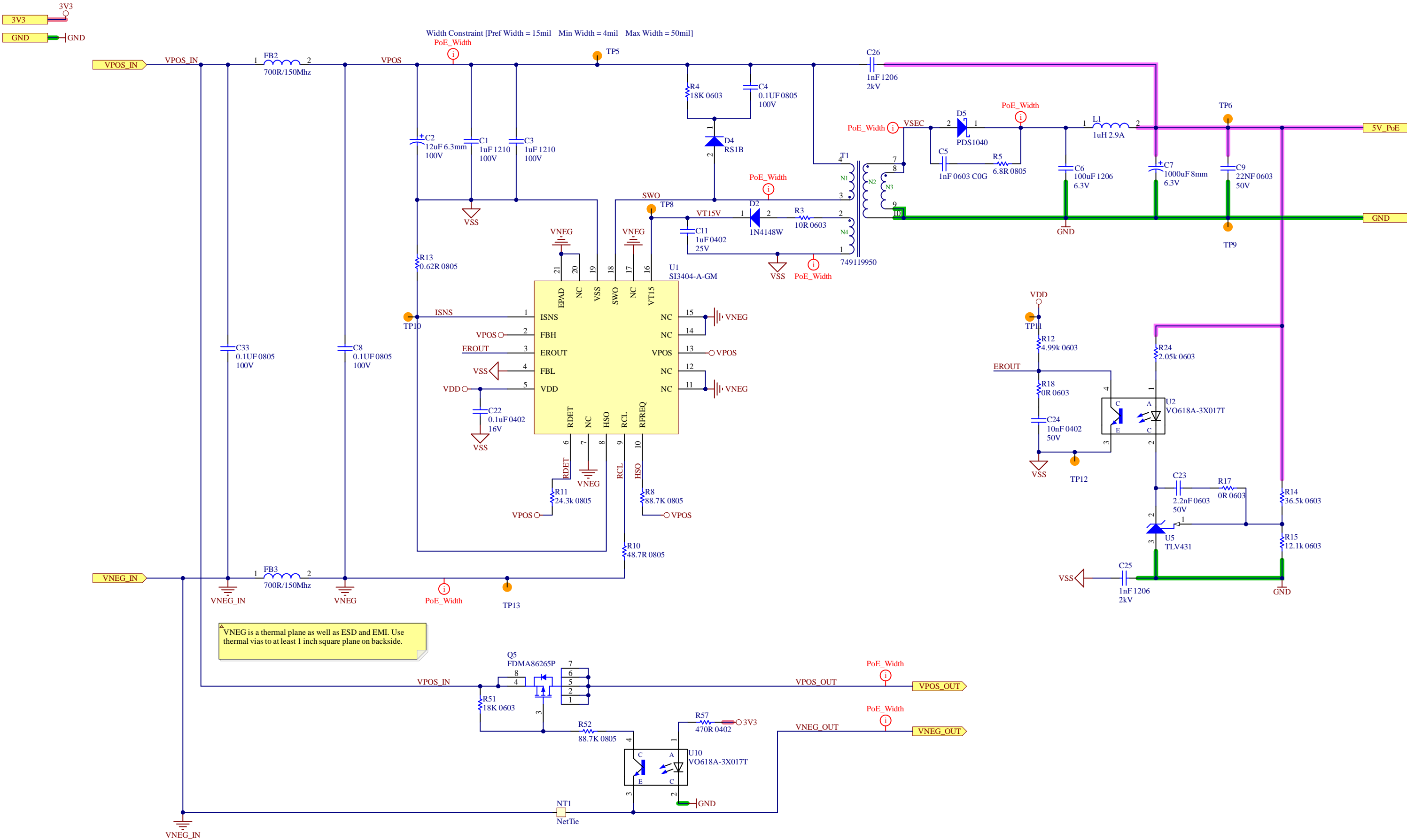


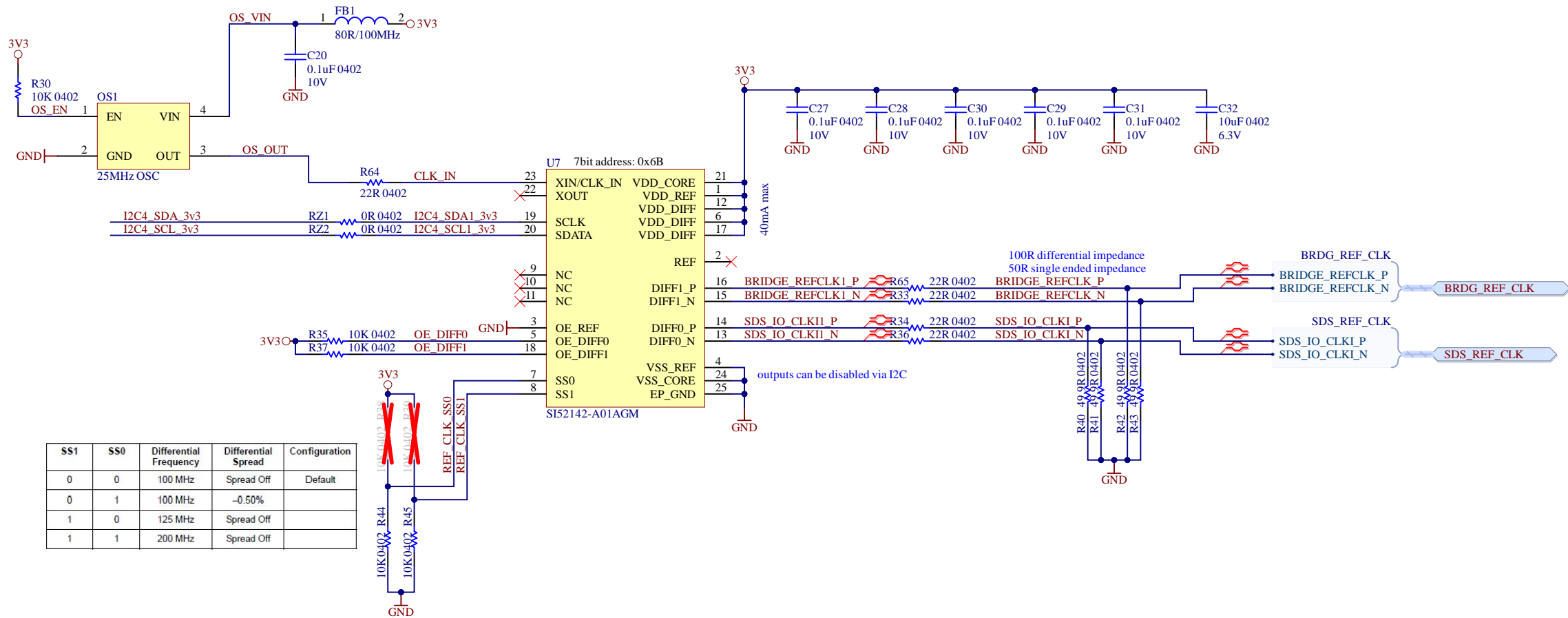
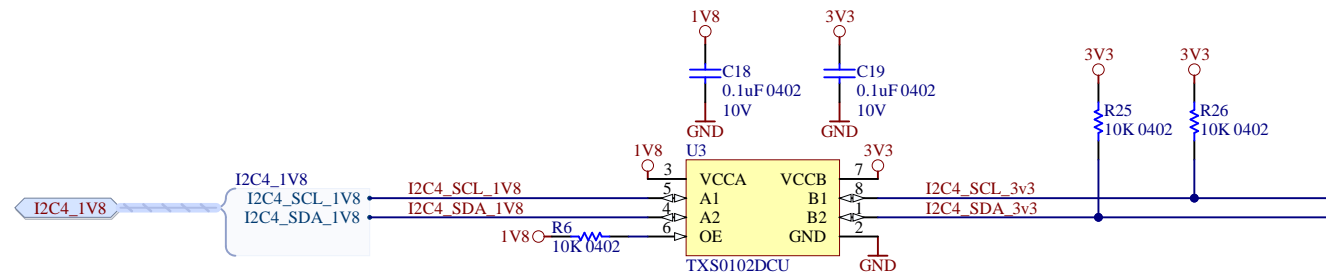
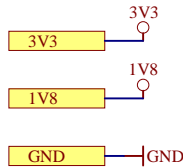
*Project: DD2088PoE\_Daisy\_Chain*  
*Current Revision: R0M0E0*

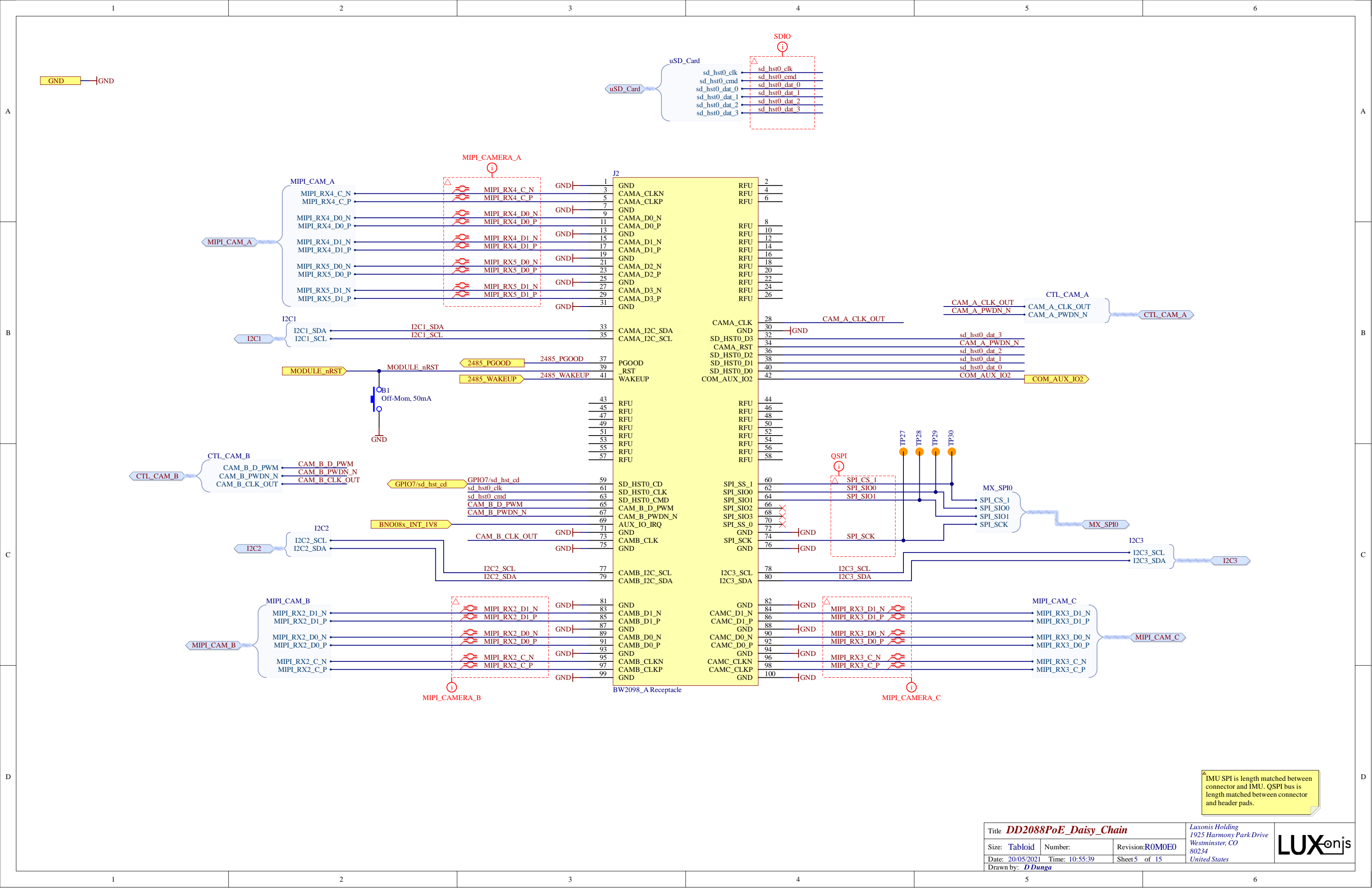
*DD2088PoE\_Daisy\_Chain Revision History:*

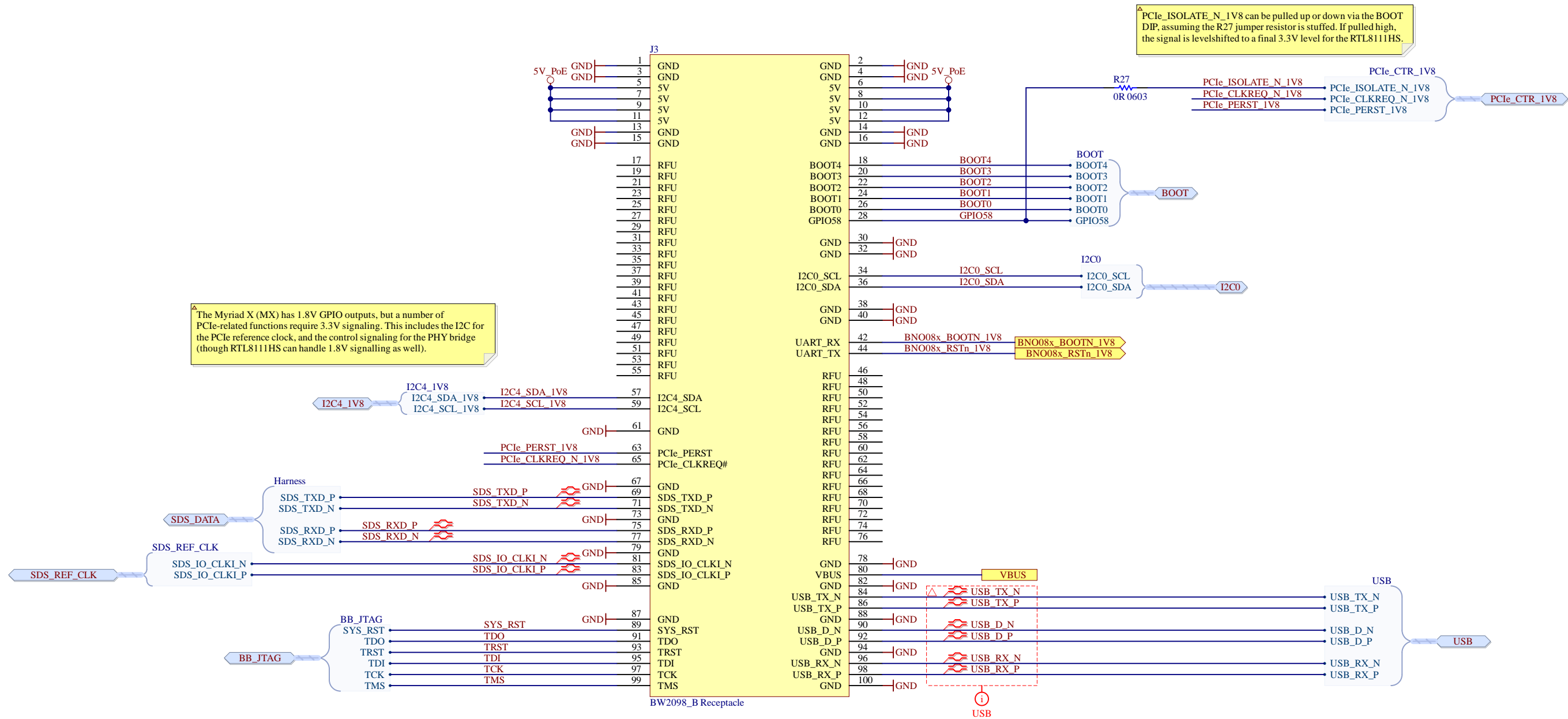
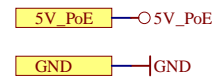
Date	Revision	Reason for Change	Changes Implemented
12-May-2021	Initial Release -> R0M0E0		
...	...	..	...
...	...	...	...



Schematic based on the reference design for the SI3404 PoE.

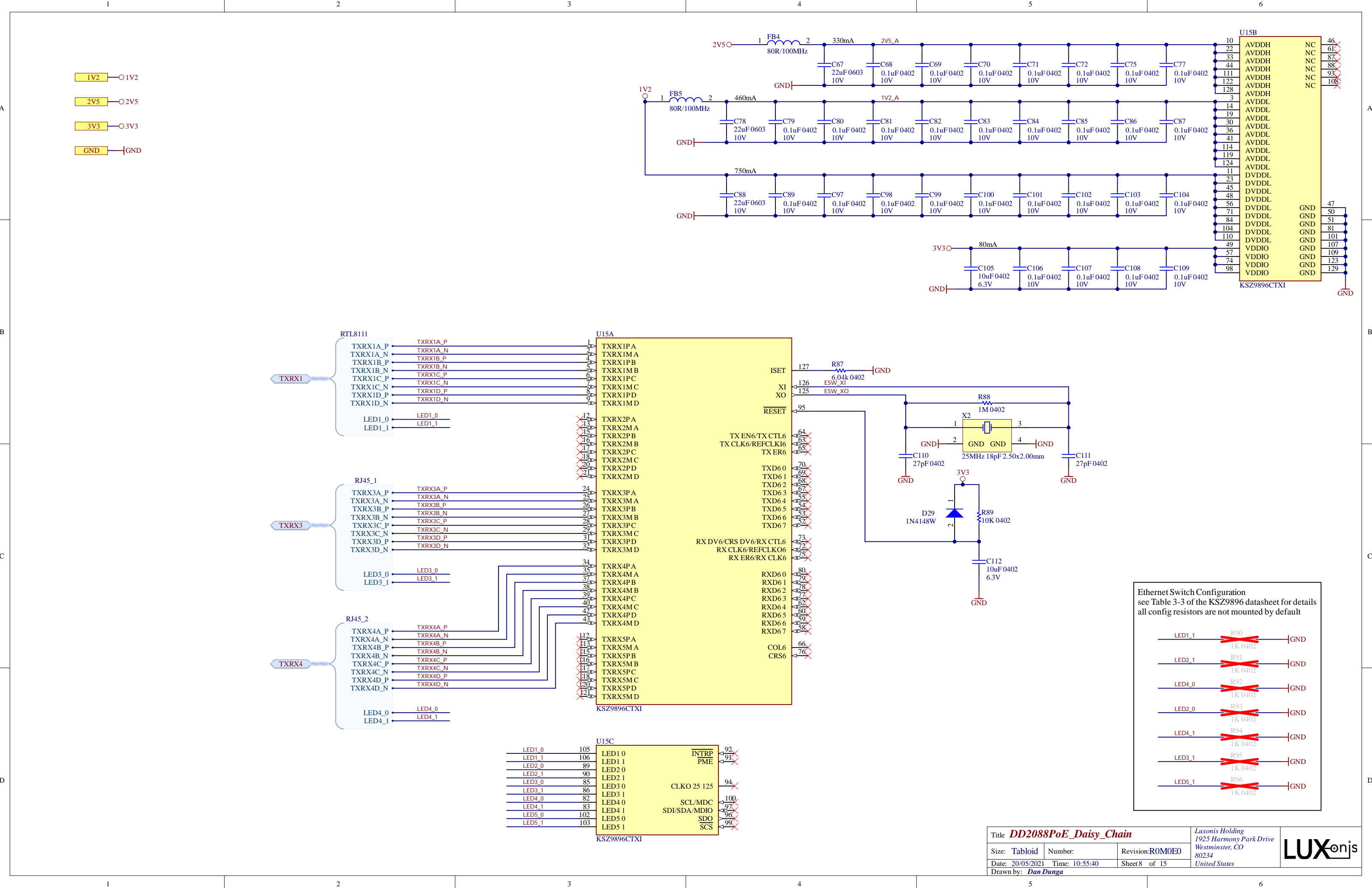






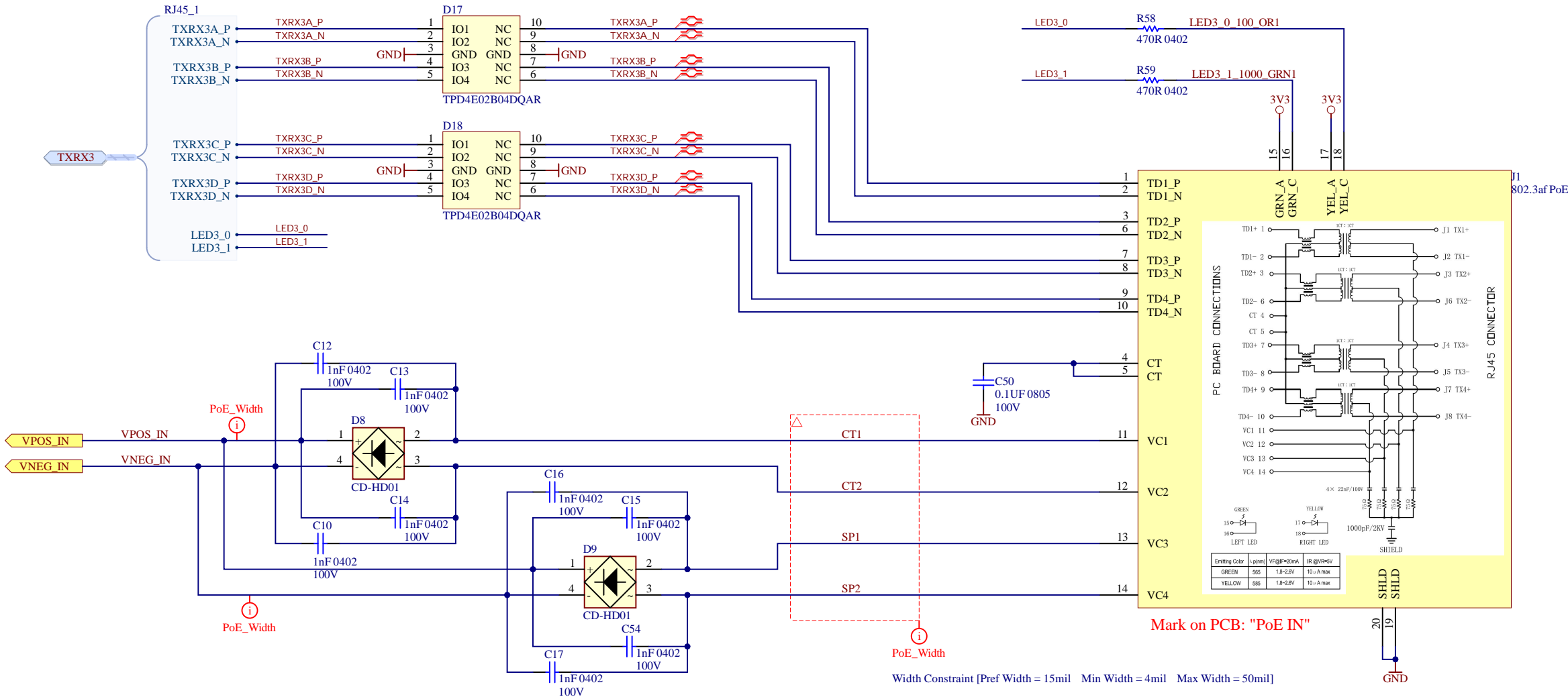
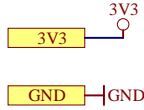


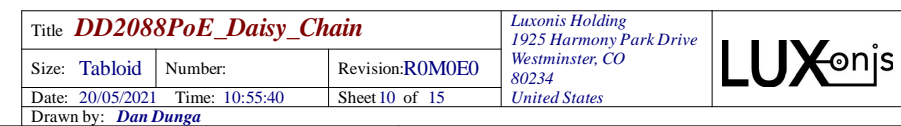


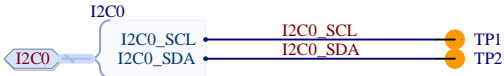
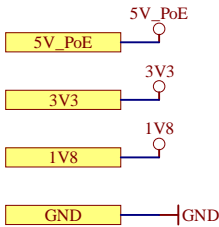


Ethernet Switch Configuration see Table 3-3 of the KSZ9896 datasheet for details all config resistors are not mounted by default	
LED1_1	R90 1K 0402
LED2_1	R91 1K 0402
LED4_0	R92 1K 0402
LED2_0	R93 1K 0402
LED4_1	R94 1K 0402
LED3_1	R95 1K 0402
LED5_1	R96 1K 0402

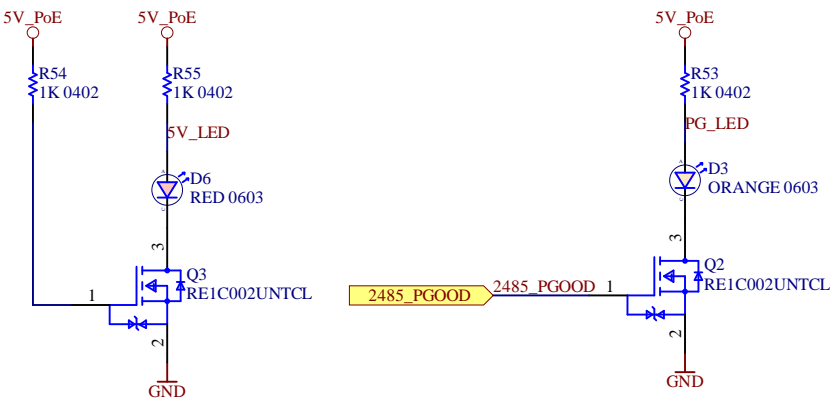






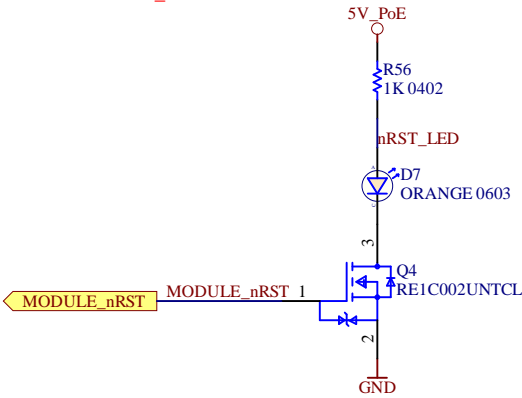


### LED INDICATORS



Mark "5V\_PoE" on PCB

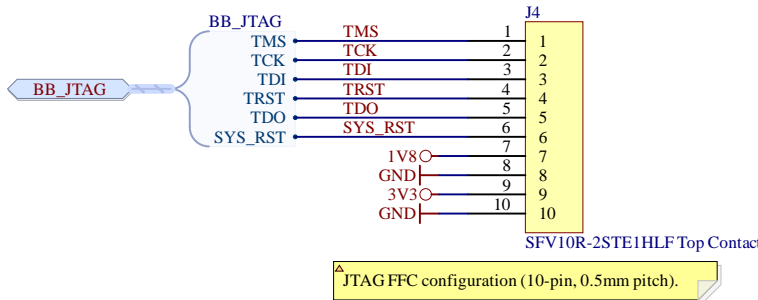
Mark "2485\_PGOOD" on PCB



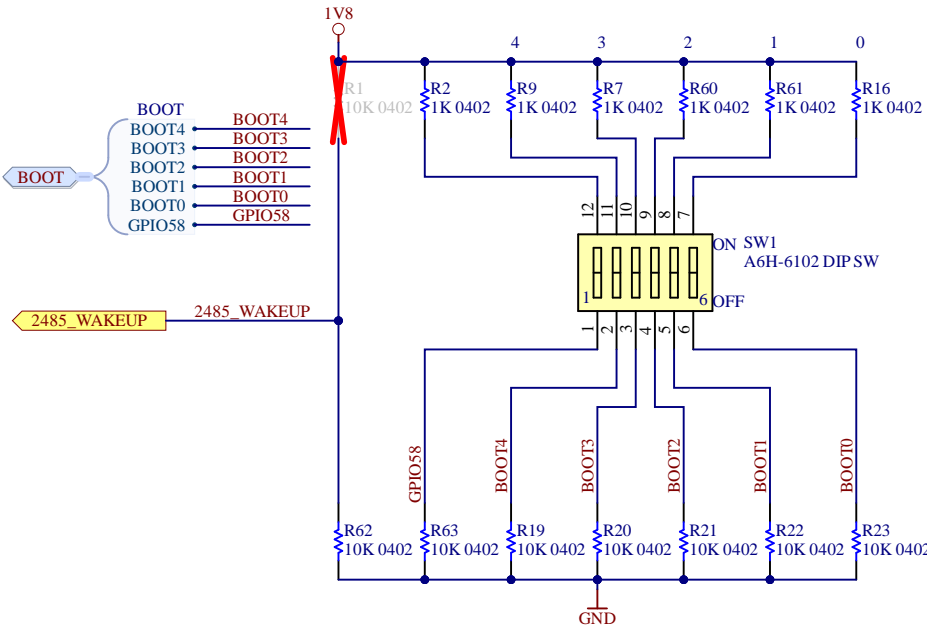
Mark "nRST" on PCB

2485\_PGOOD and MODULE\_nRST both have pull ups to 1.8V on 1099 module. 2485\_PGOOD is held low by open-drain output on 1099 PMIC until power is good. MODULE\_nRST rises with 1.8V at POR, but can be held low by user button or 1099 JTAG.

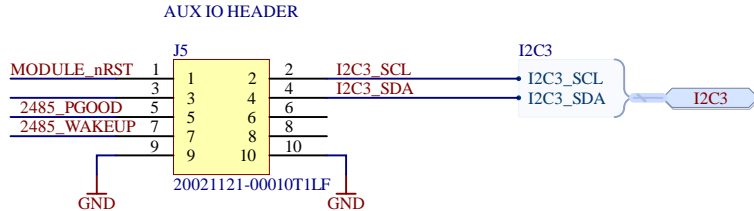
### JTAG



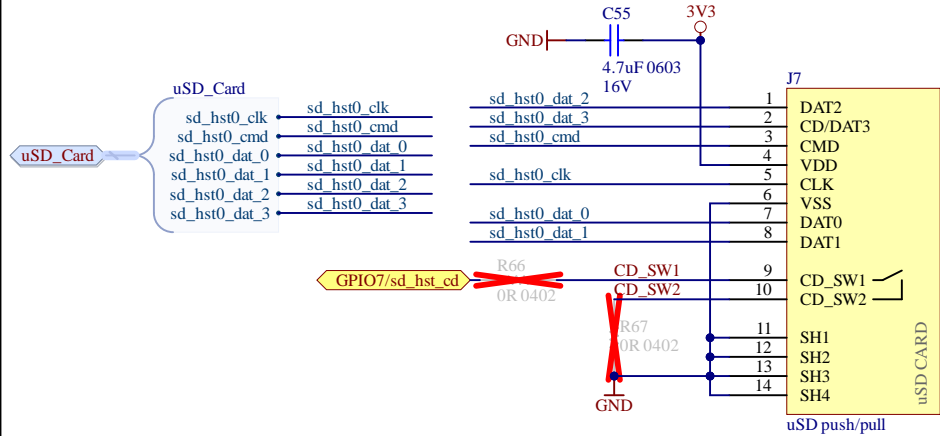
### BOOT MODES

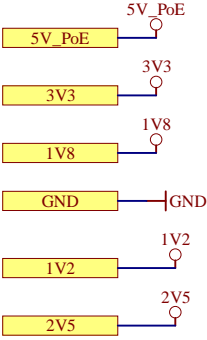


### AUX IO HEADER

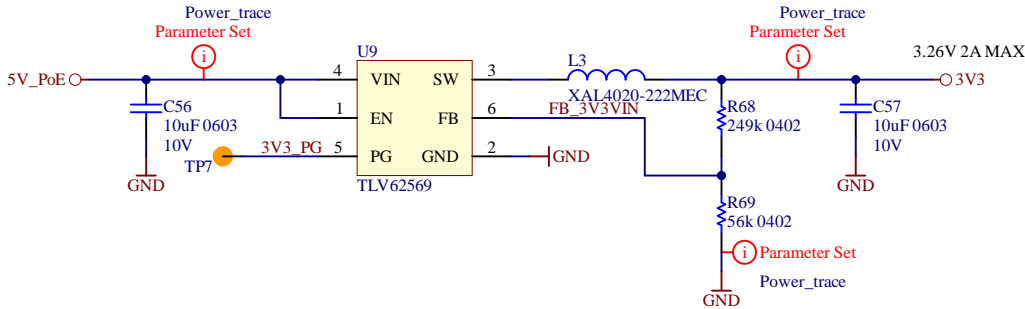


### 3.3V GPIO (uSD)

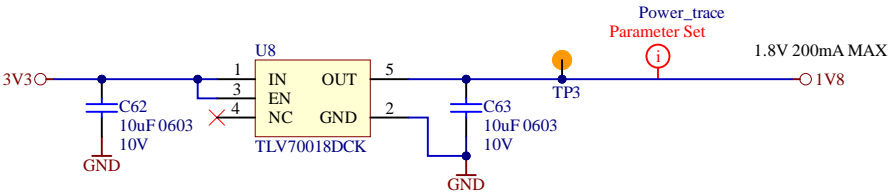




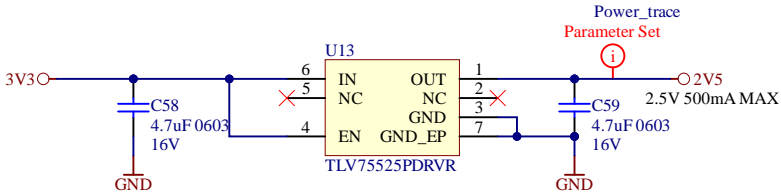
3V3 Regulator



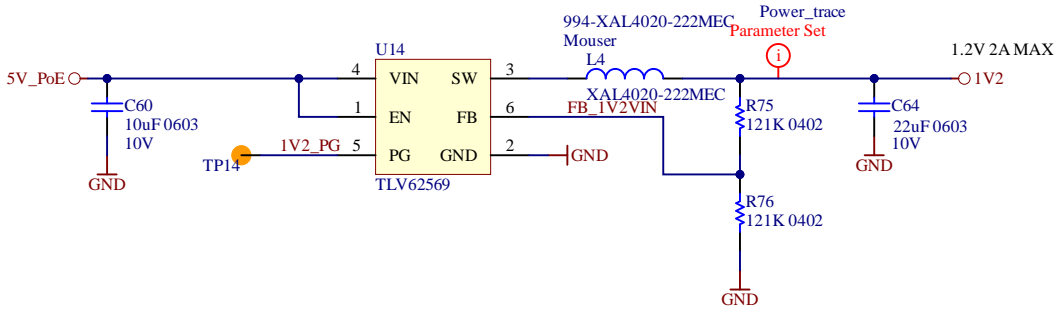
1V8 Regulator

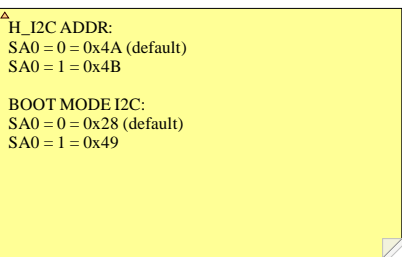
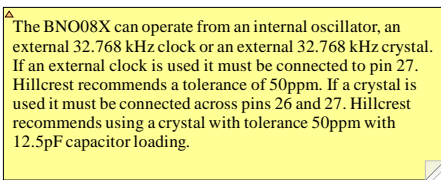
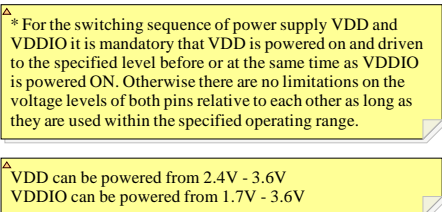


2V5 Regulator

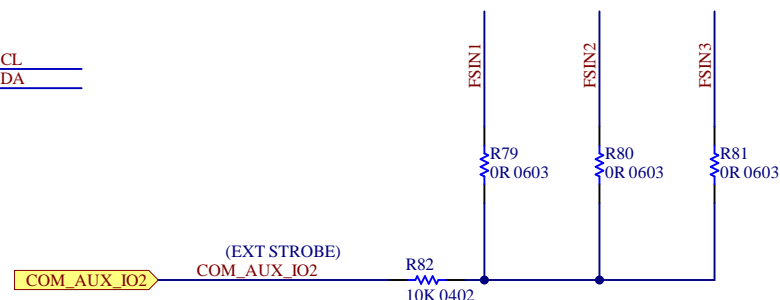
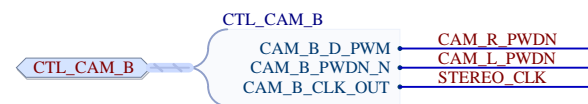
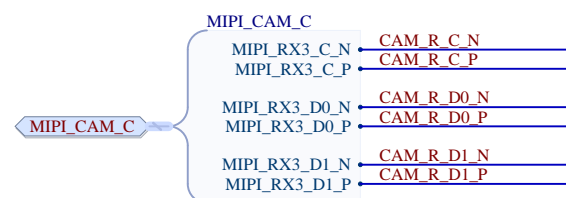
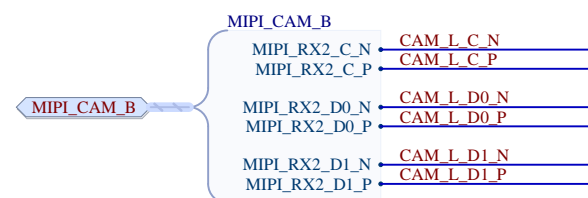
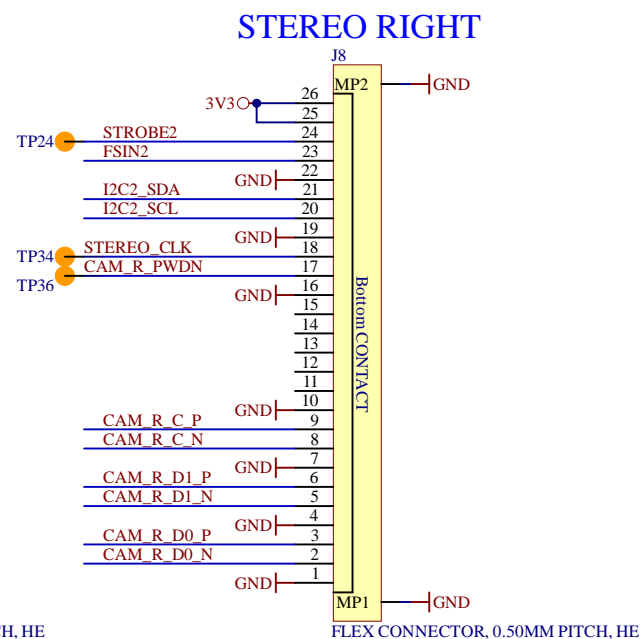
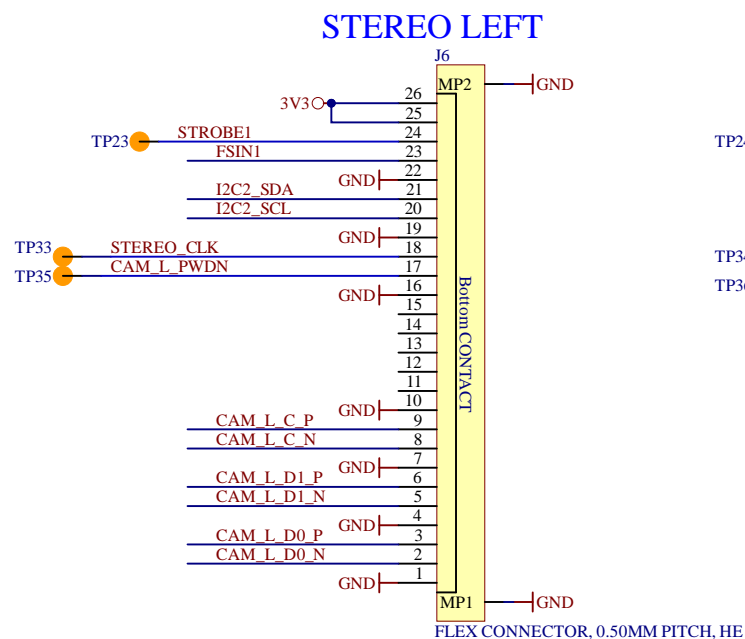


1V2 Regulator



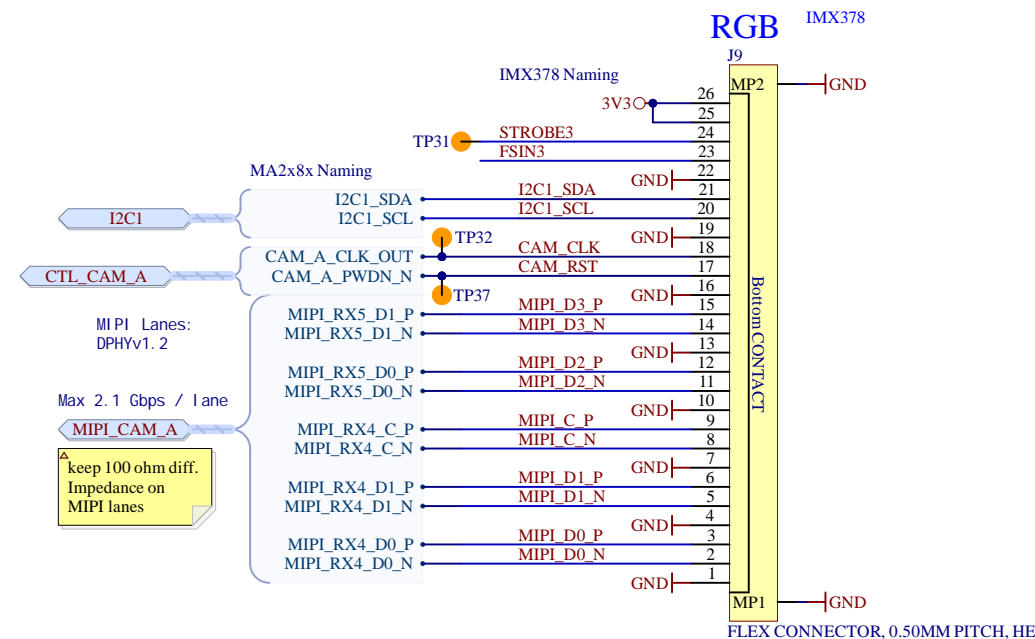


## STEREO CAMERA PAIR

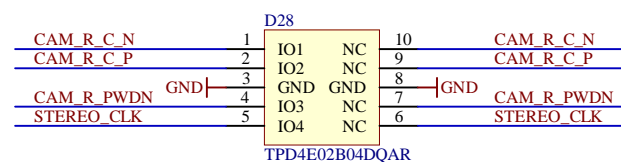
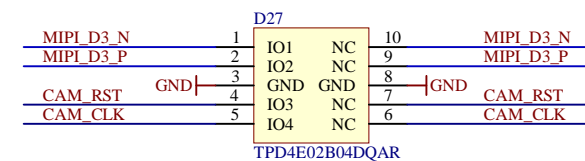
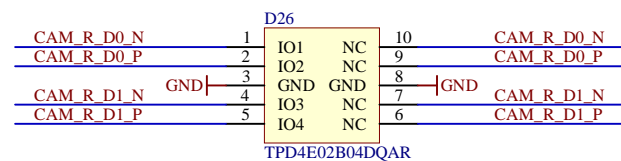
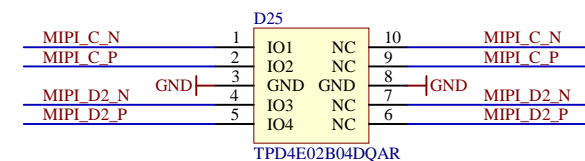
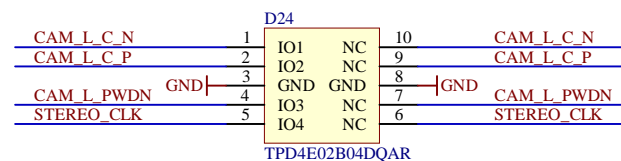
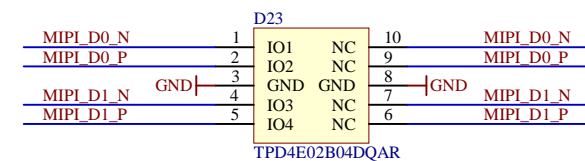
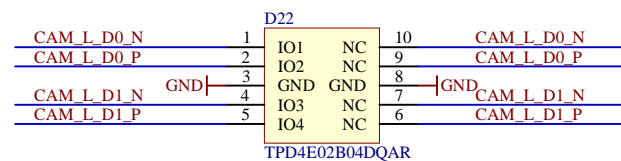



"CAM1" (Left) is reset via CAM\_PWDN, and "CAM2" (Right), is reset via CAM\_PWM.

## RGB CAMERA



## ESD PROTECTION



Title <b><i>DD2088PoE_Daisy_Chain</i></b>			Luxonis Holding 1925 Harmony Park Drive Westminster, CO 80234 United States 
Size: <b>Tabloid</b>	Number:	Revision: <b>R0M0E0</b>	
Date: <b>20/05/2021</b>	Time: <b>10:55:40</b>	Sheet <b>14</b> of <b>15</b>	
Drawn by: <b><i>D Dunga</i></b>			

