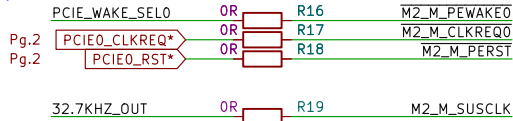


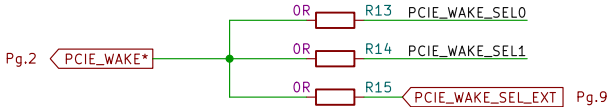


## PCIe0 Root Port / Endpoint mode selector

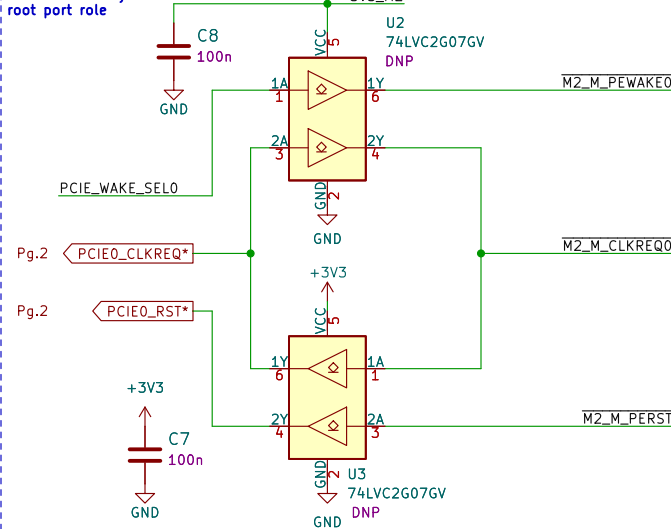
NOTE:  
DNP for M.2 key M  
endpoint role



## M.2 PCIE\_WAKE selector

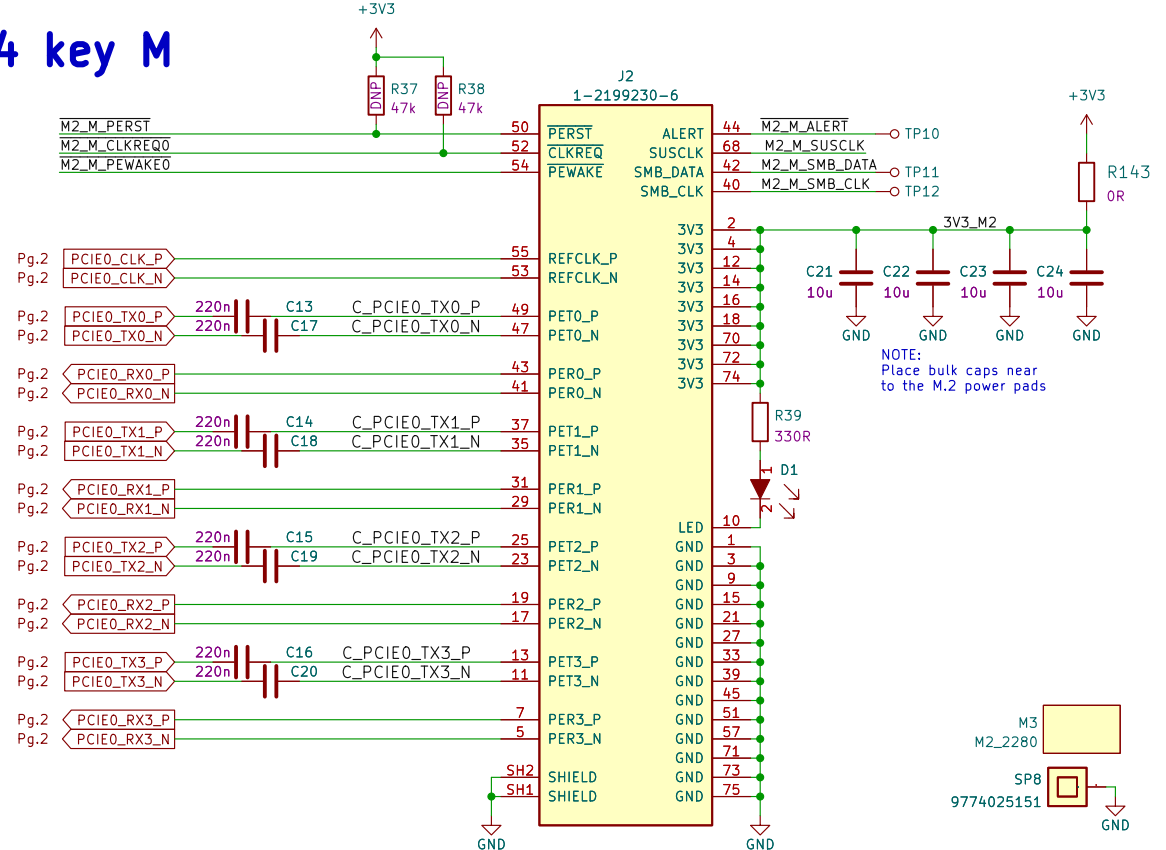


NOTE:  
DNP for M.2 key M  
root port role

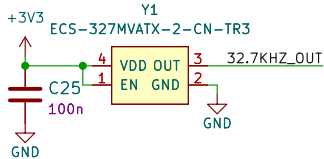


NOTE about PCIe 0 role switching:  
For details, refer to the PCIe section of  
"Jetson Orin NX Series Product Design Guide"  
<https://developer.nvidia.com/jetson-orin-nx-series-design-guide>

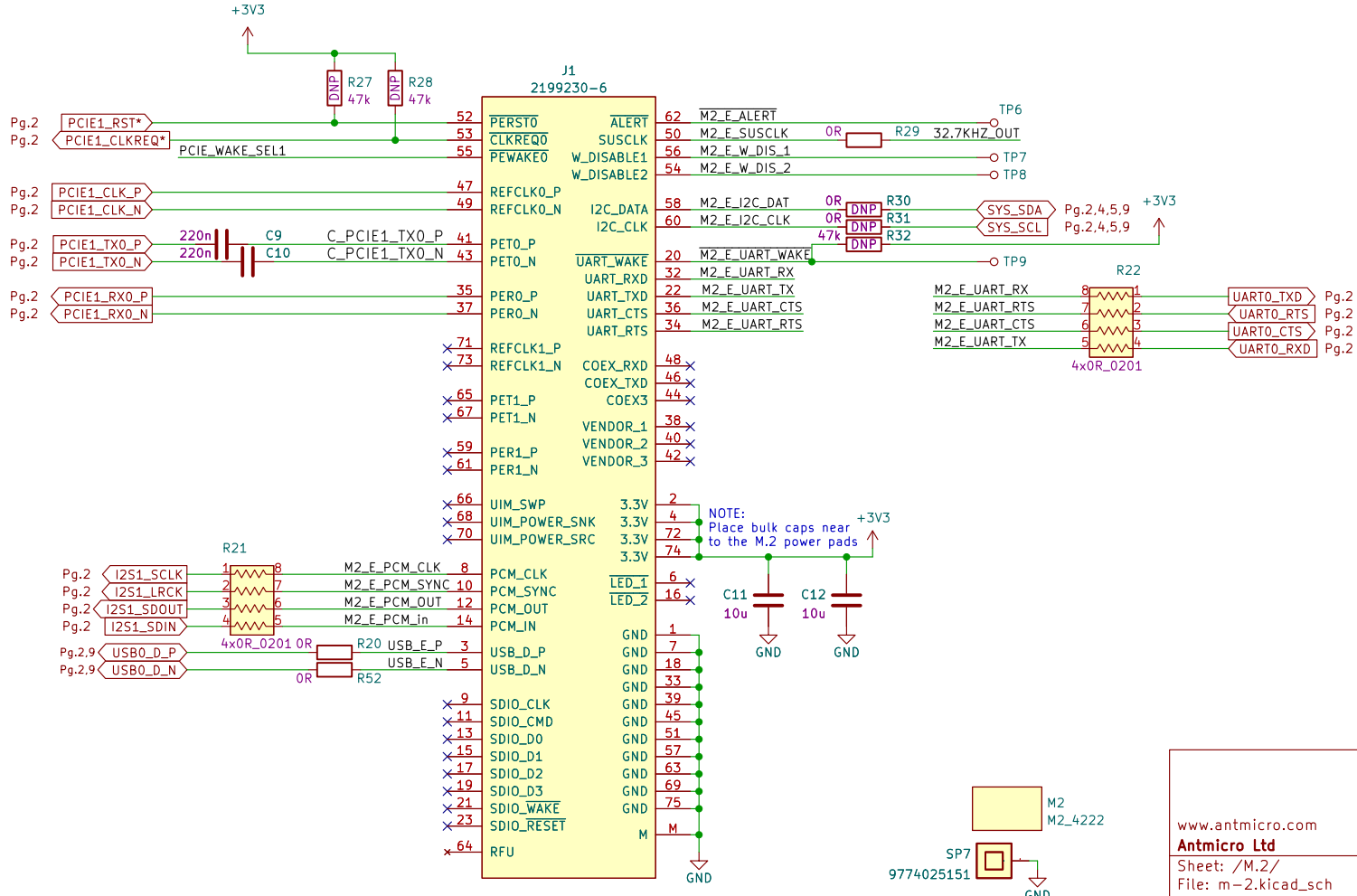
PCIe0 1x4 key M



## SUSCLK SOURCE



## PCIe1 1x1 key E



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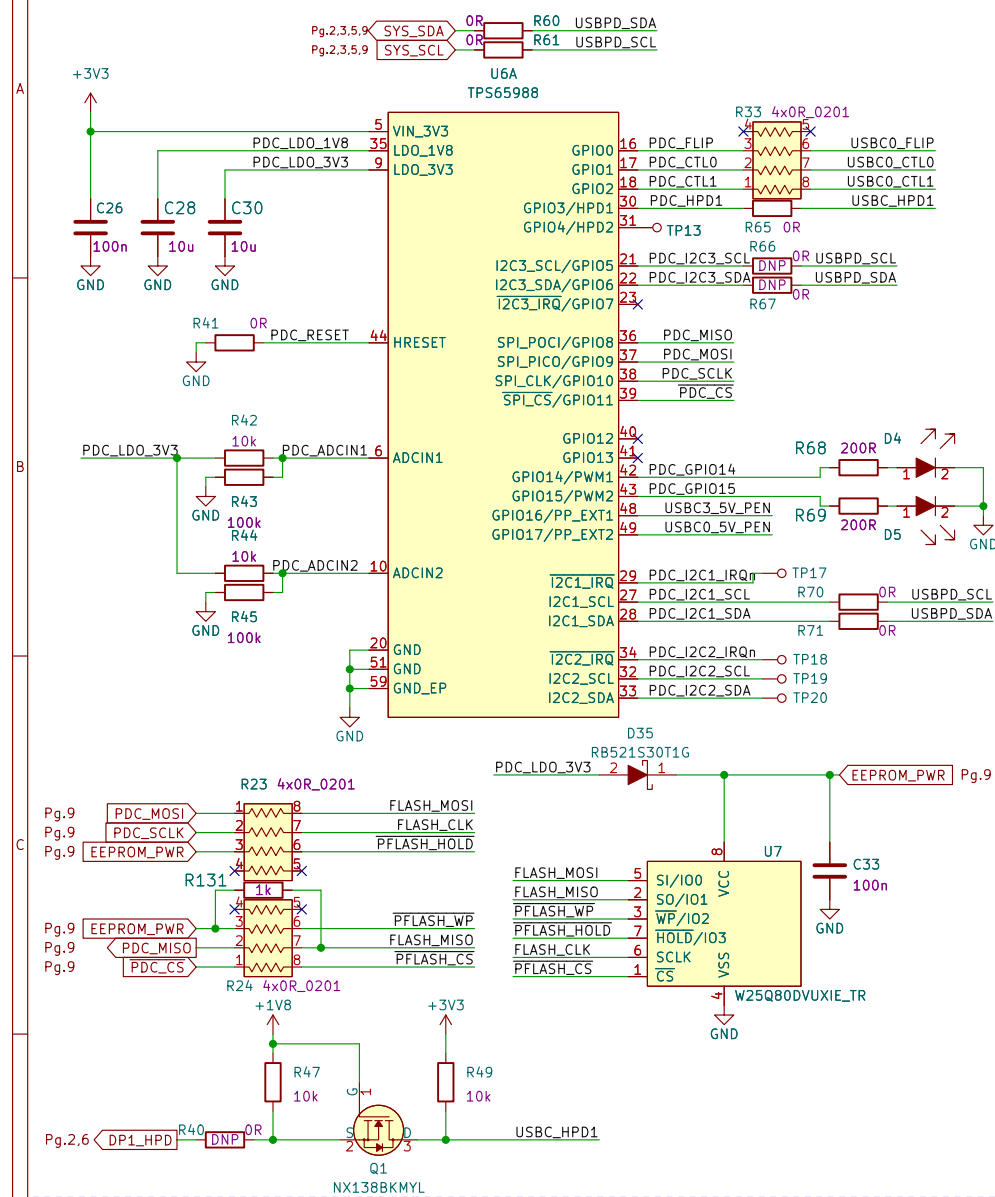
Sheet: /M.2/  
File: m-2.kicad\_sch

Title: Jetson Orin Baseboard

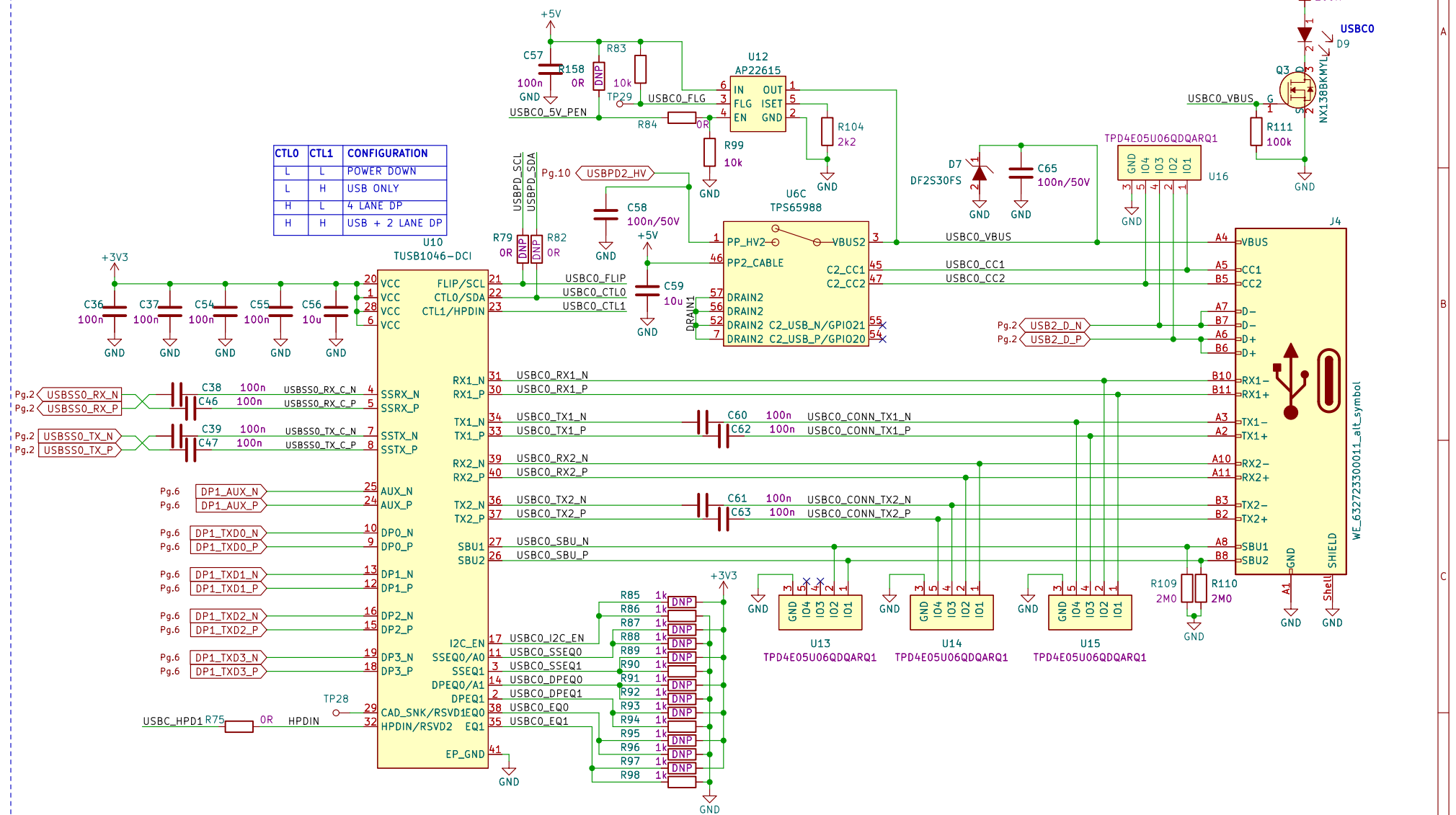
Size: A3	Date: 2022-10-07
KiCad E.D.A. eeschema 6.0.9-8da3e8f707-117-ubuntu22.04.1	

Rev: 1.0.0  
Id: 3/10

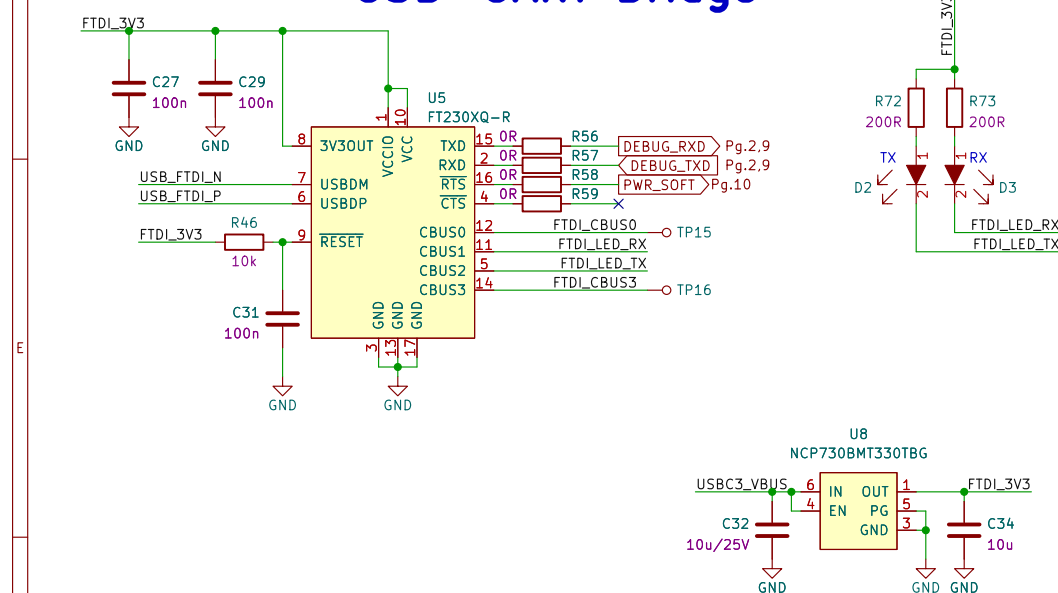
## USB PD Controller



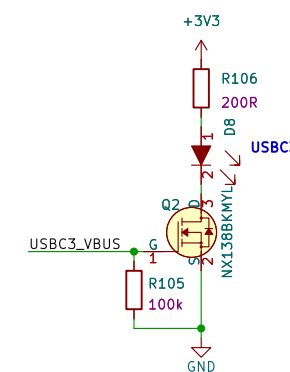
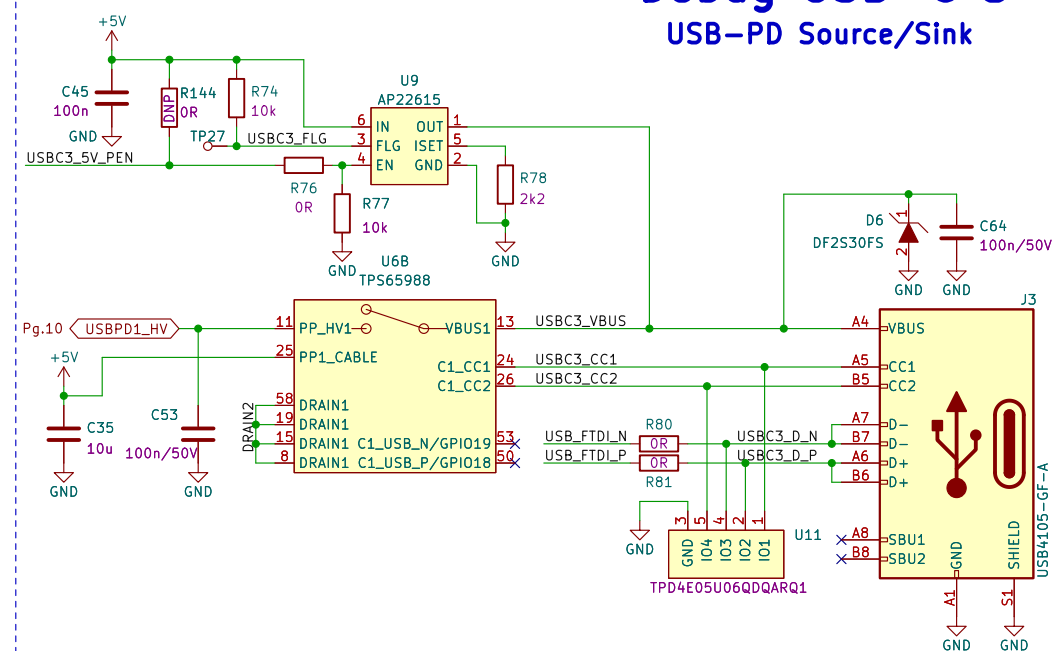
## USB-C 0 Display Port alt mode



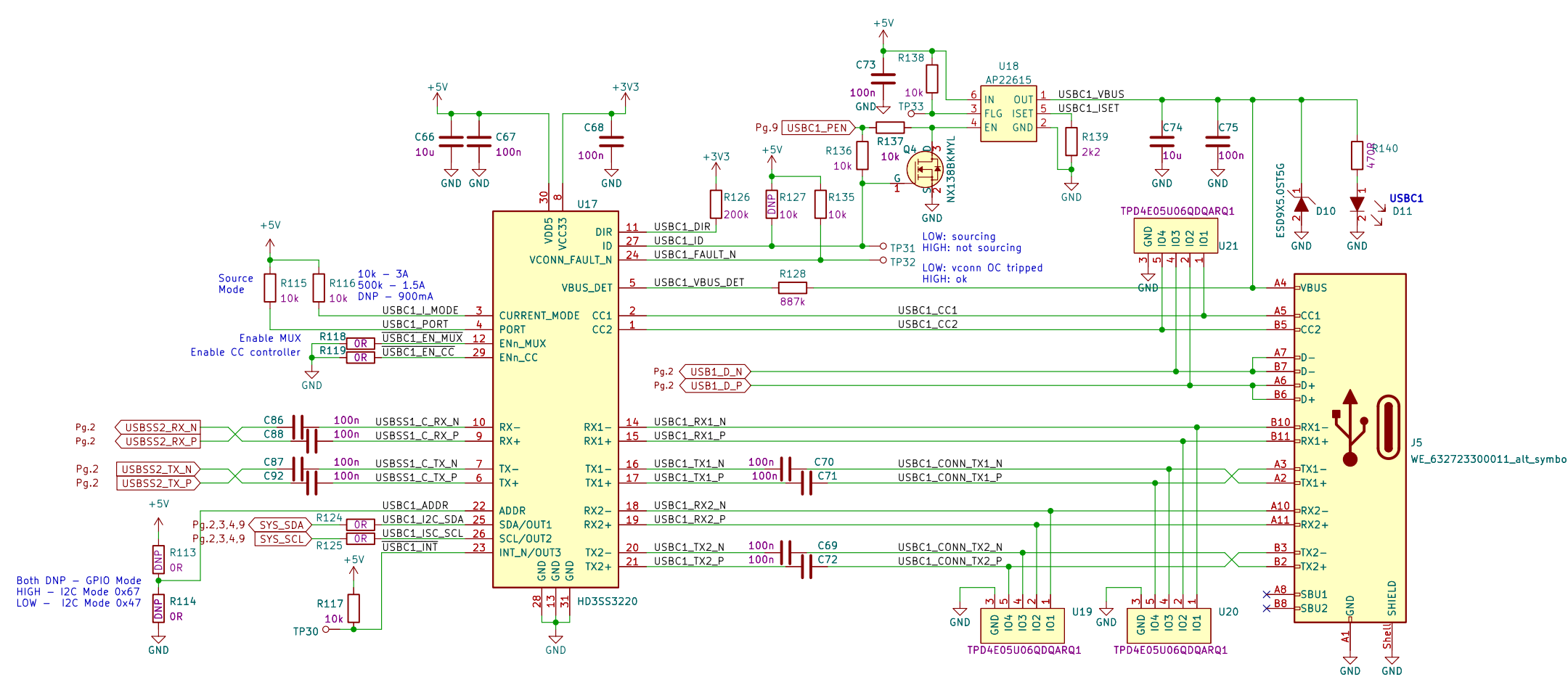
## USB-UART Bridge



## Debug USB-C 3



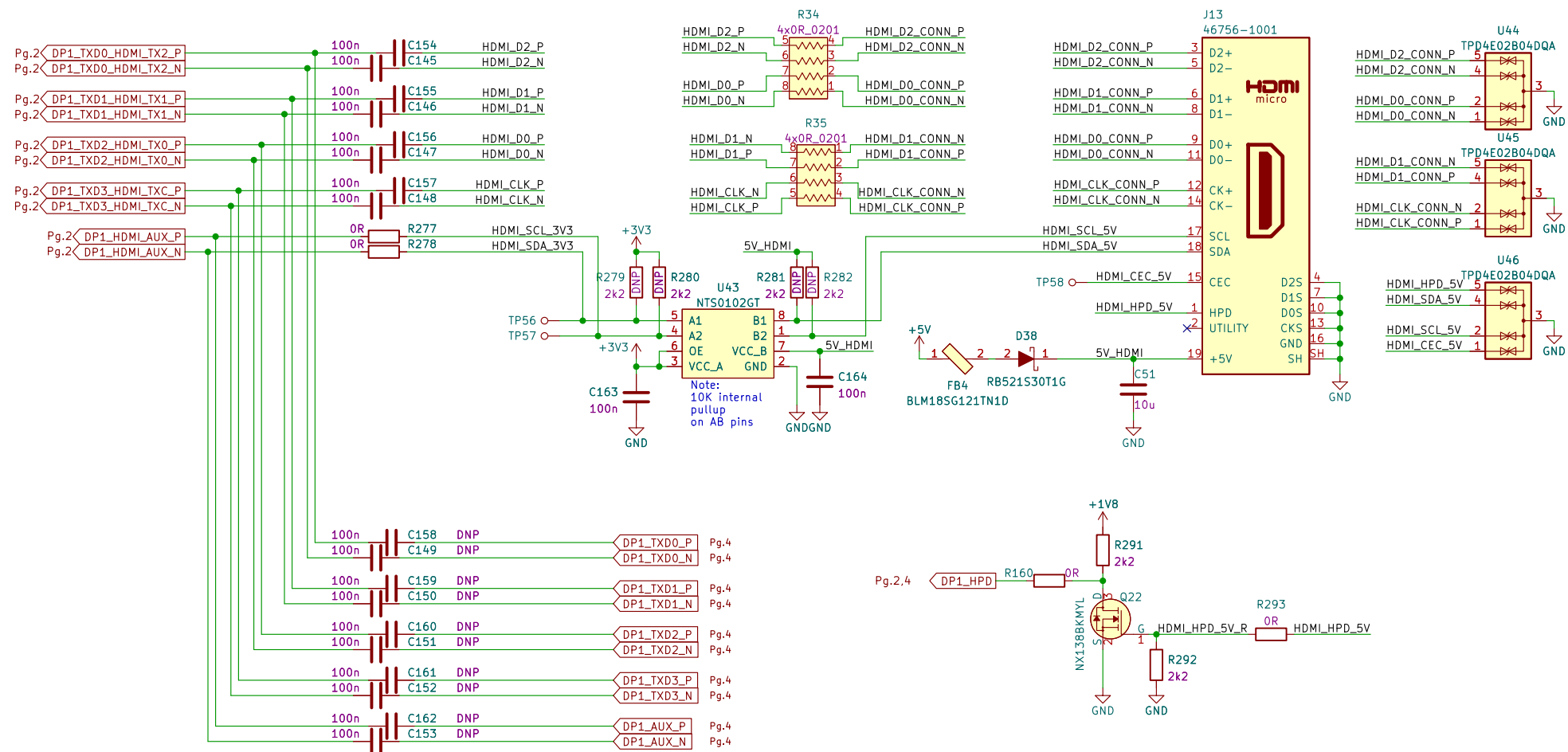
# USB-C 1



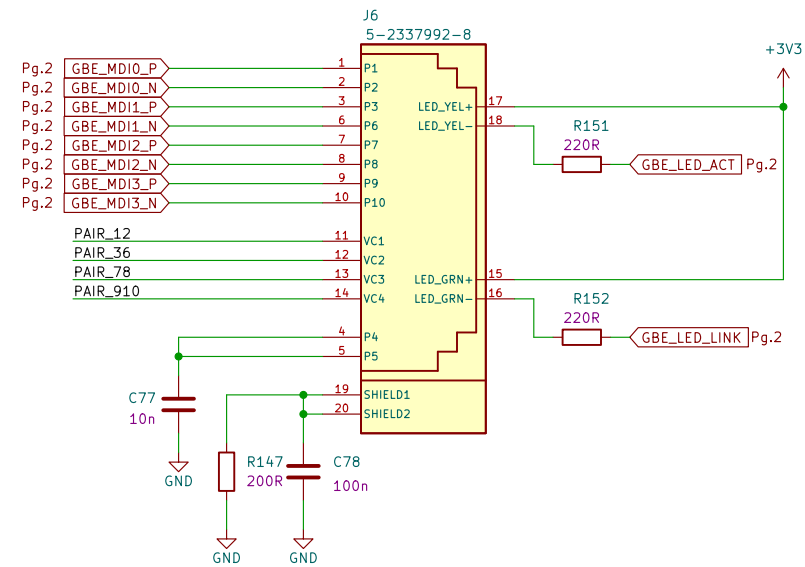


# HDMI Connector

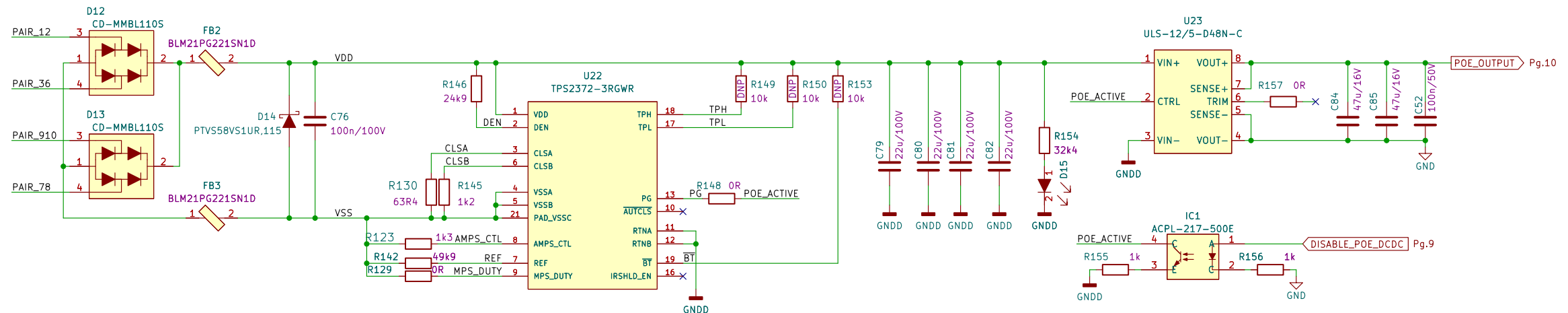
## Output selection



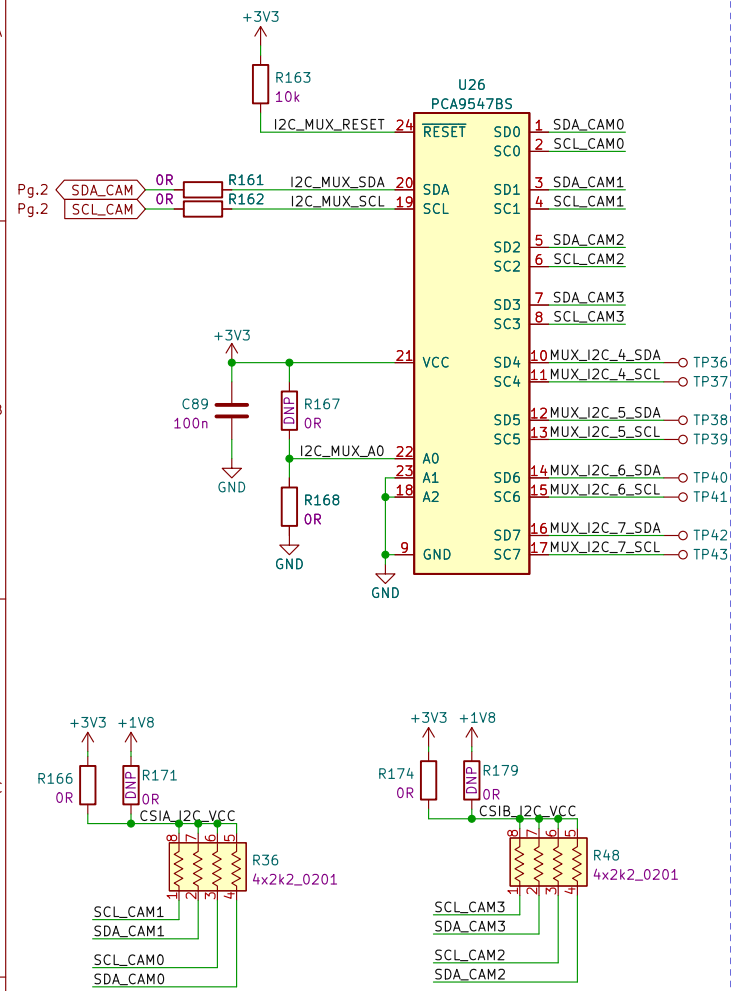
## Ethernet Connector



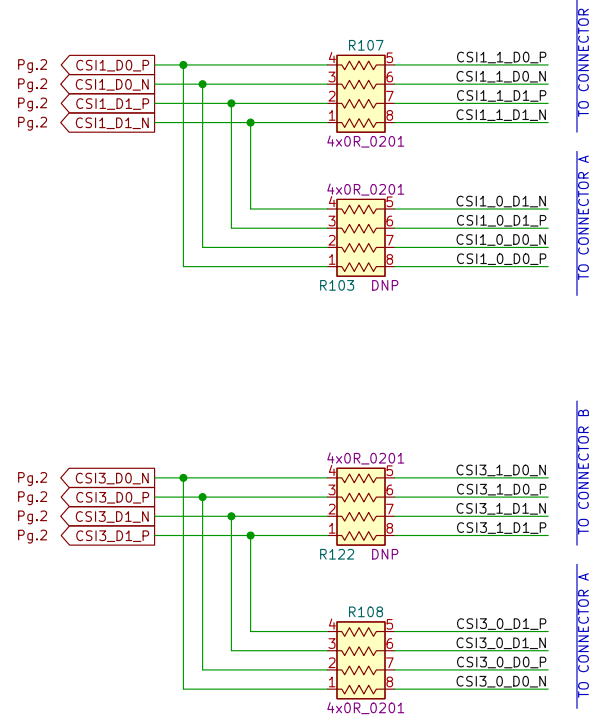
## Power over Ethernet



## I2C Mux



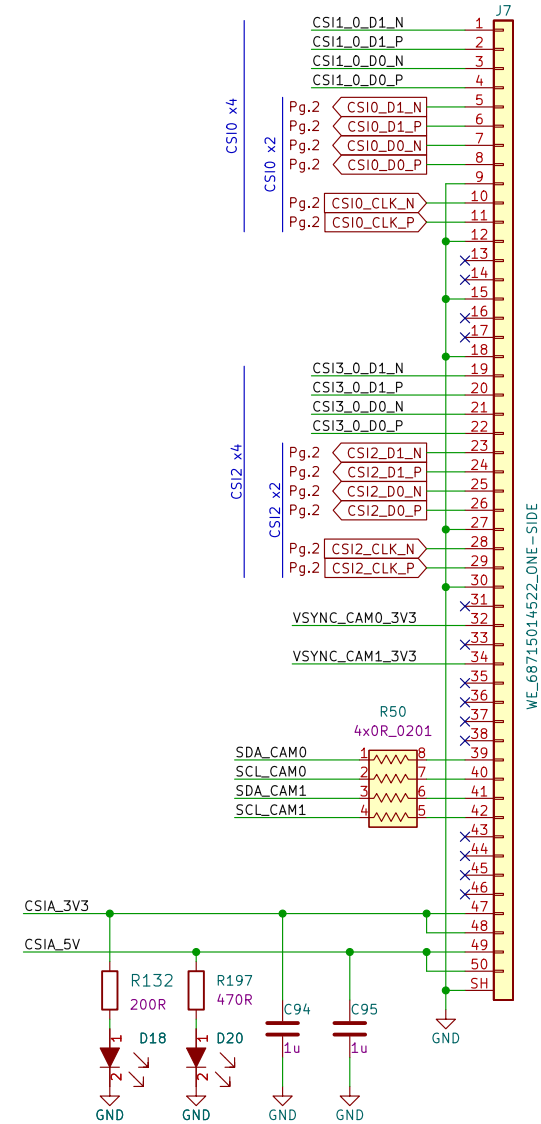
## CSI Mux



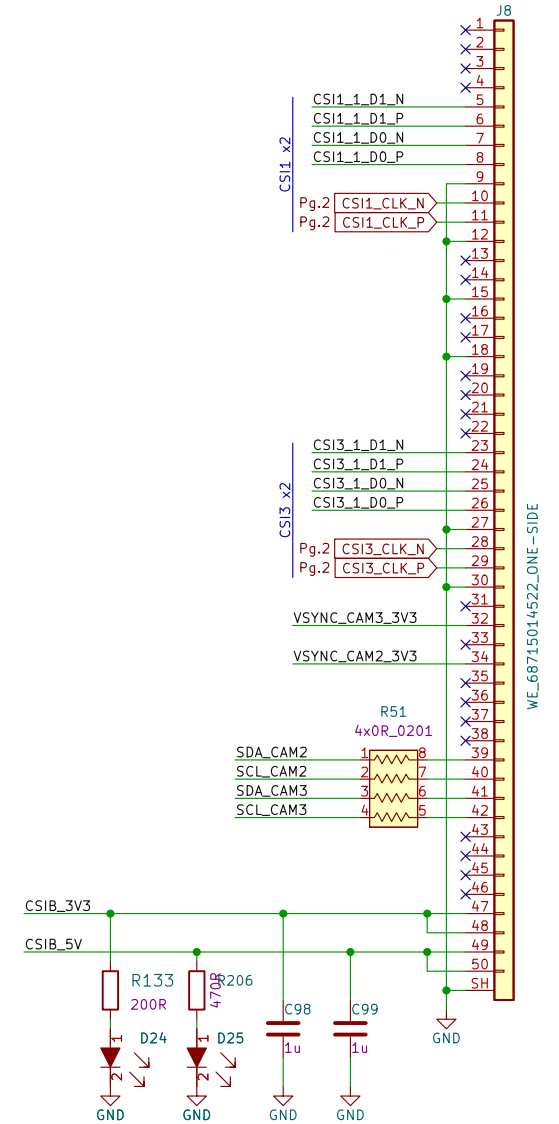
### AVAILABLE CSI CONFIGURATIONS:

CONNECTOR A	CONNECTOR B
CSI0x4 CSI2x4	NONE
CSI0x4 CSI2x2	CSI3x2
CSI0x2 CSI2x4	CSI1x2
CSI0x2 CSI2x2	CSI3x2 CSI1x2

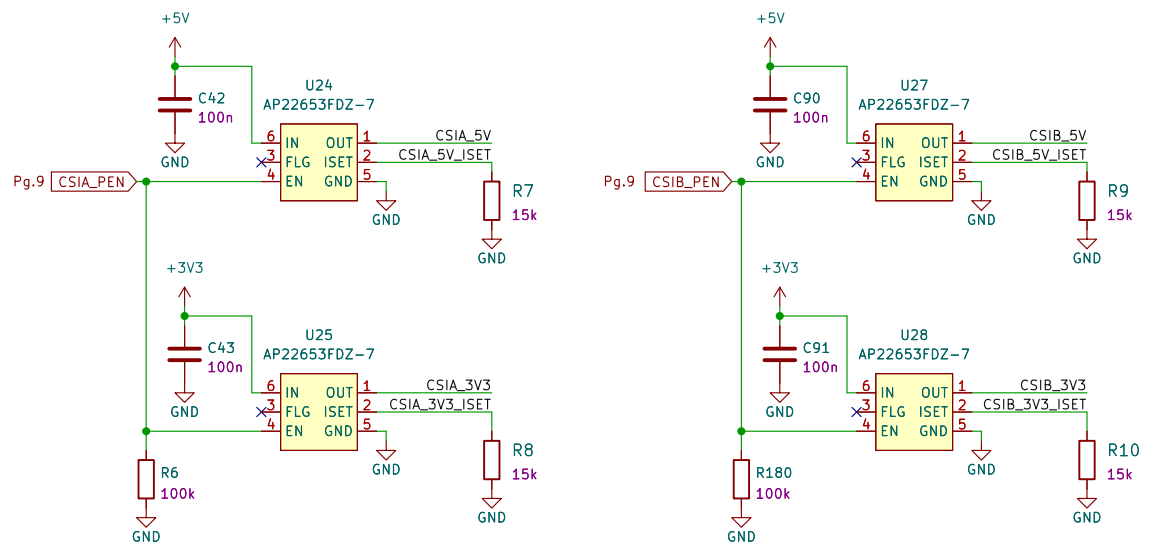
## CSI connector A



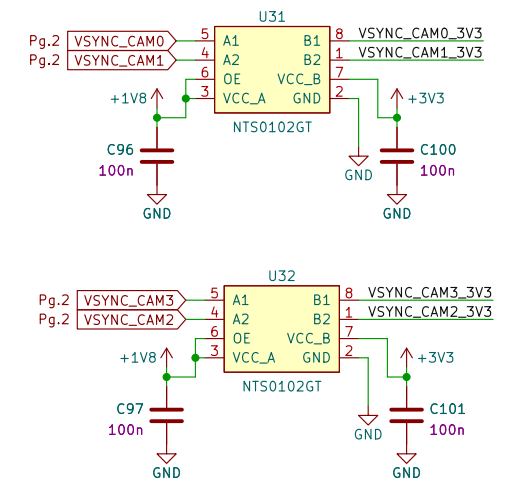
## CSI connector B



## Power switches

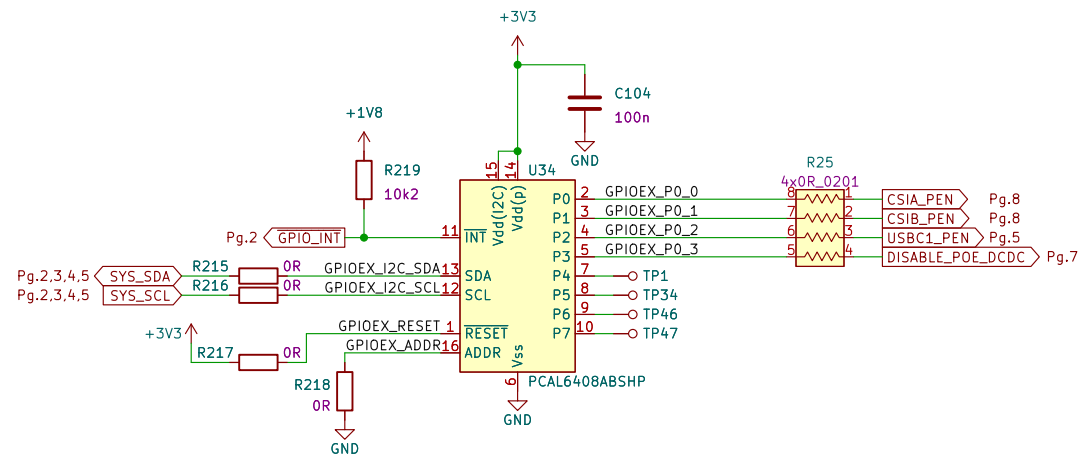


## Level shifters

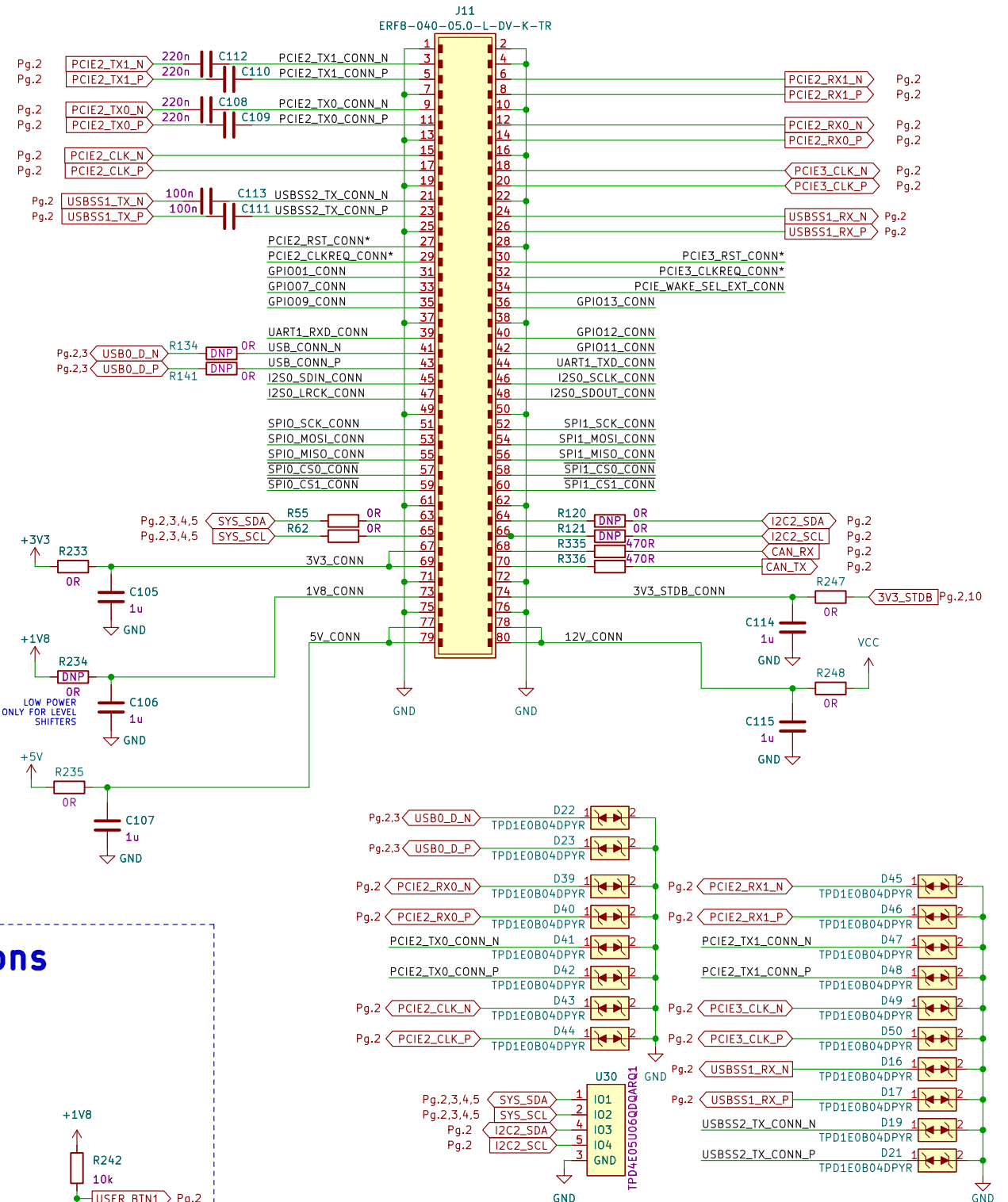




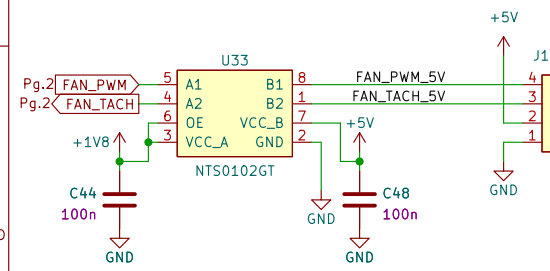
## GPIO expander



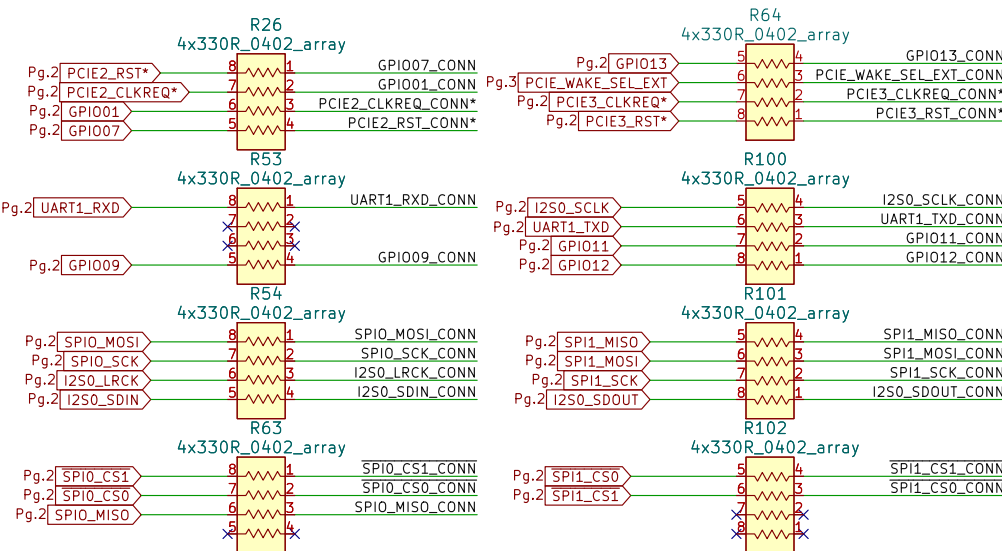
## Expansion connector



## Fan connector

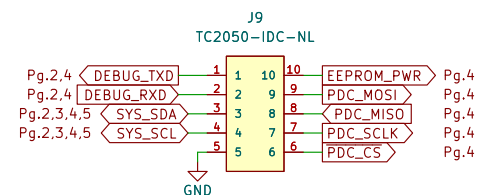


## Expansion connector resistors

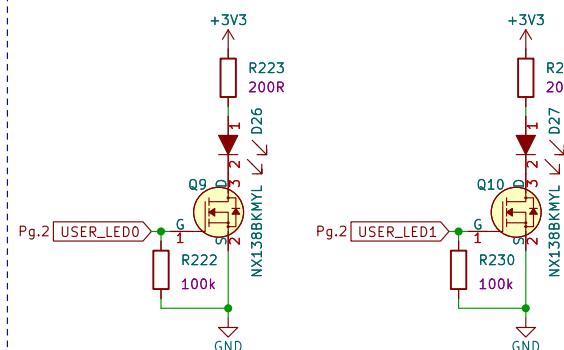


## Debug connector

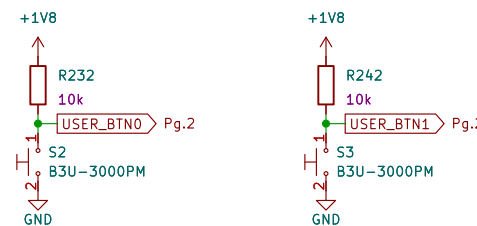
TAG-CONNECT



## LED indicators



## Buttons



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Sheet: /Peripherals/

File: peripherals.kicad\_sch

Title: Jetson Orin Baseboard

Size: A3

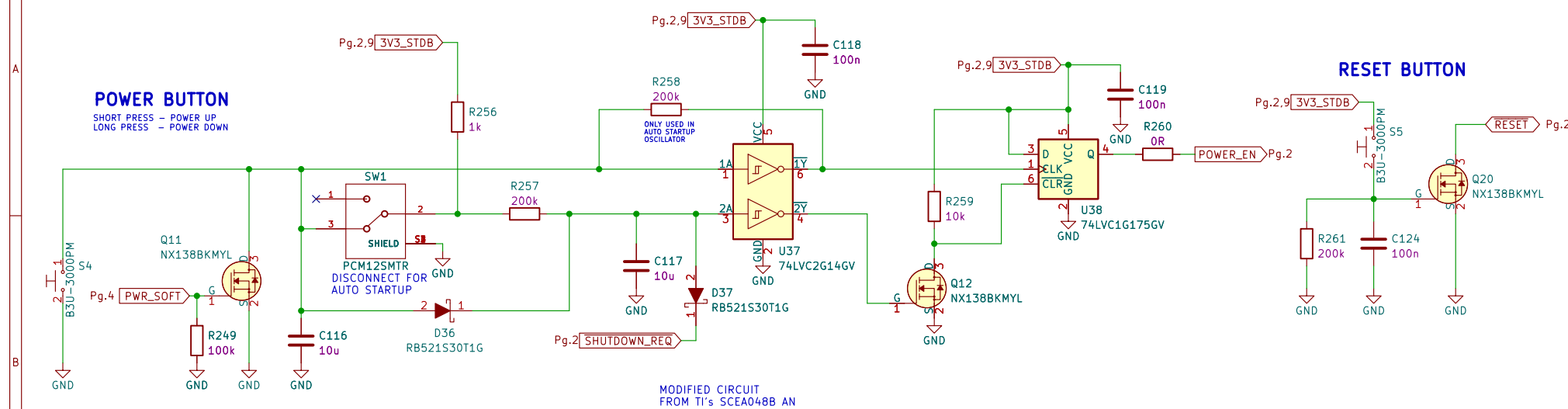
Date: 2022-10-07

Rev: 1.0.0

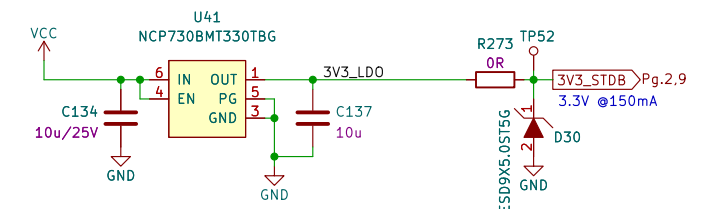
KiCad E.D.A. eeschema 6.0.9-8da3e8f707-117-ubuntu22.04.1

Id: 9/10

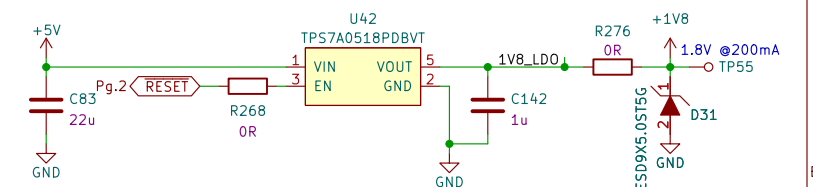
## POWER-UP AND RESET CIRCUITRY



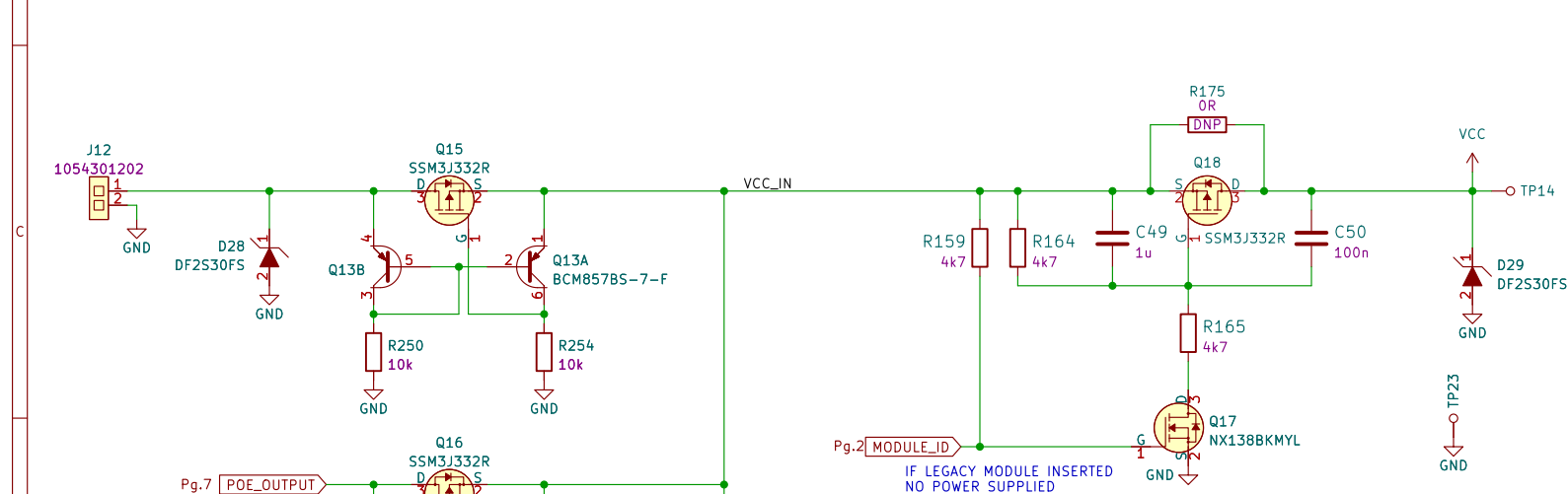
## 3V3 STANDBY LDO



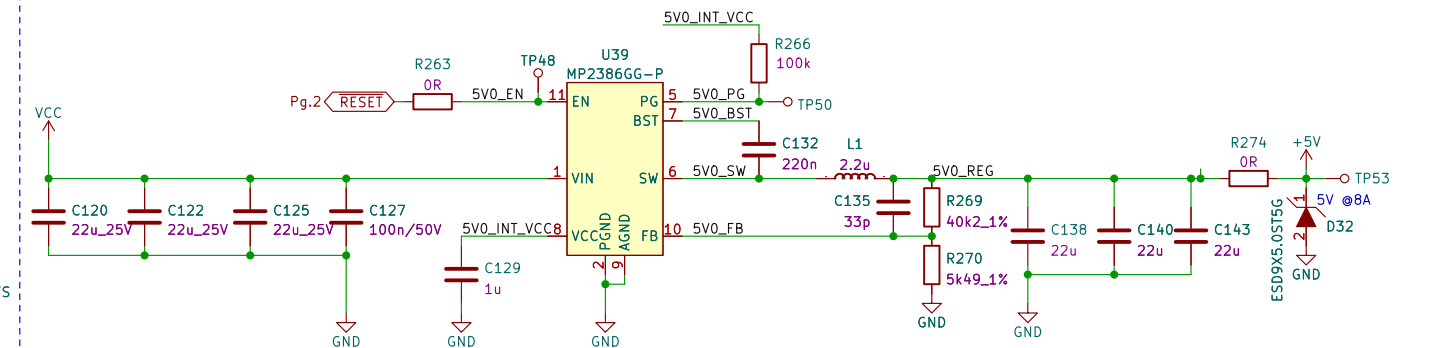
## 1V8 LDO



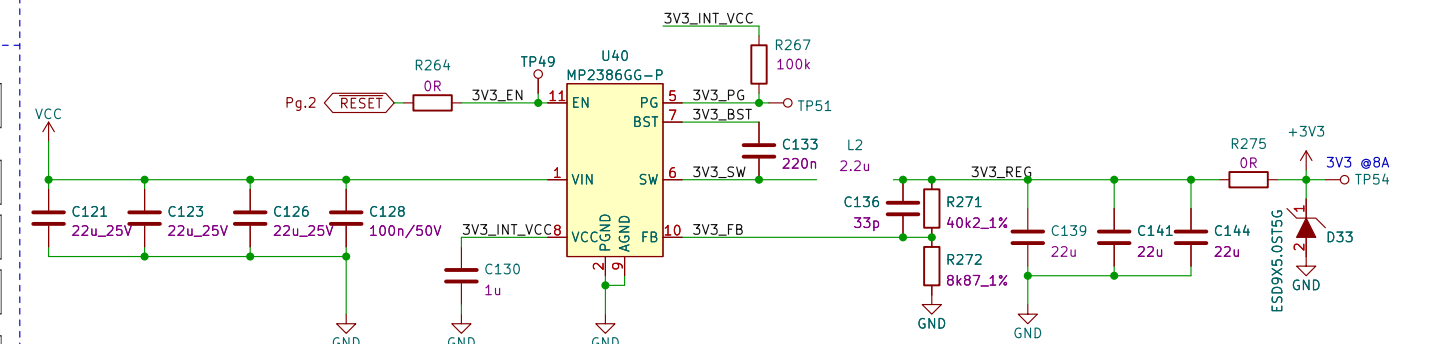
## INPUT SELECTOR AND SOFT START



## 5V DCDC



## 3V3 DCDC



### 3V3 rail discharg

