

1 2 3 4 5 6 7 8

# Jetson Orin Baseboard

[github.com/antmicro/jetson-orin-baseboard](https://github.com/antmicro/jetson-orin-baseboard)

A

A

B

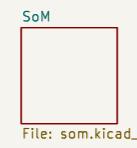
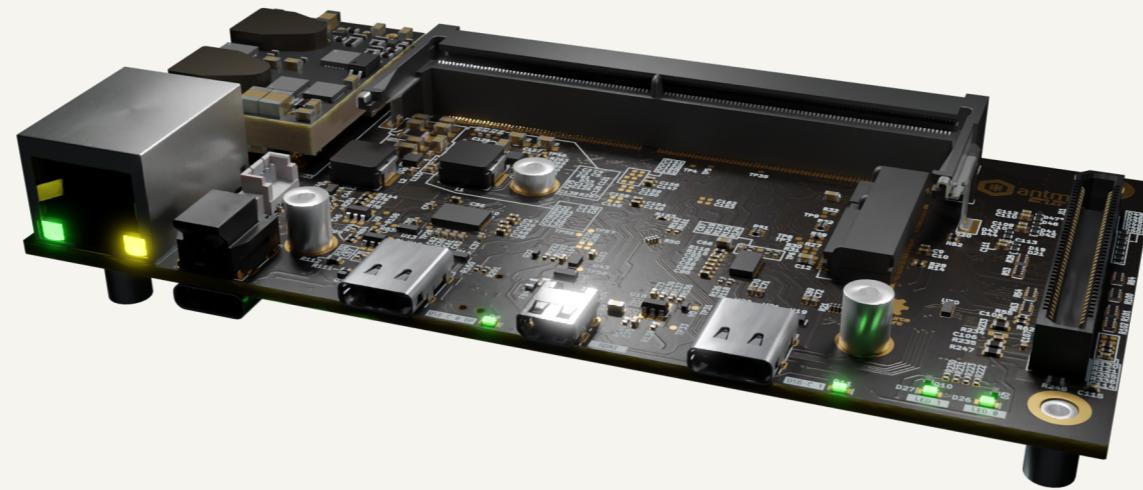
B

C

C

D

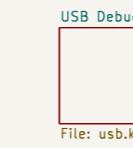
D



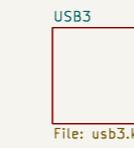
File: som.kicad\_sch



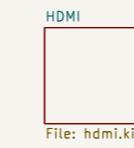
File: m-2.kicad\_sch



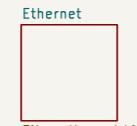
File: usb.kicad\_sch



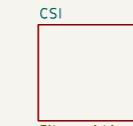
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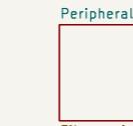
File: hdmi.kicad\_sch



File: ethernet.kicad\_sch



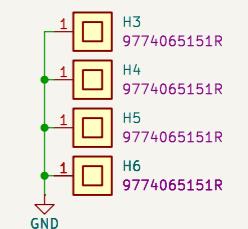
File: csi.kicad\_sch



File: peripherals.kicad\_sch



File: supply.kicad\_sch



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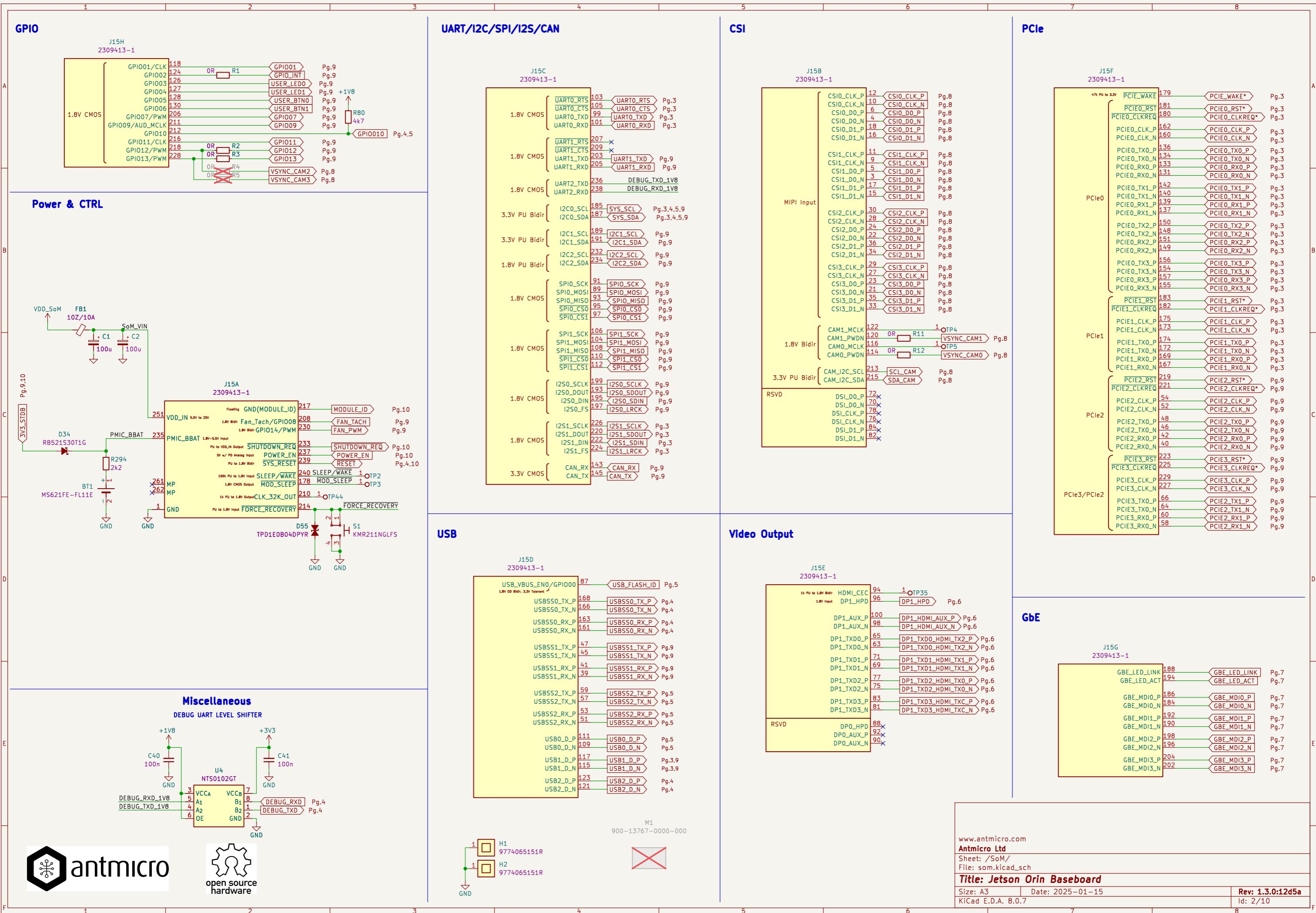
Sheet: / File: jetson-orin-baseboard.kicad\_sch

**Title: Jetson Orin Baseboard**

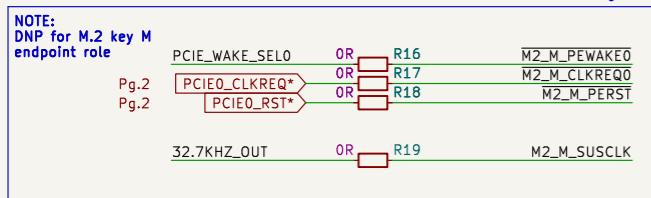
Size: A3 Date: 2025-01-15  
KiCad E.D.A. 8.0.7

Rev: 1.3.0:12d5a Id: 1/10

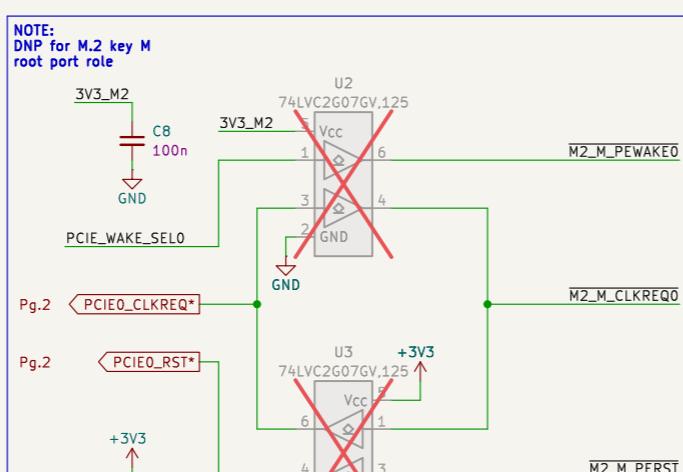
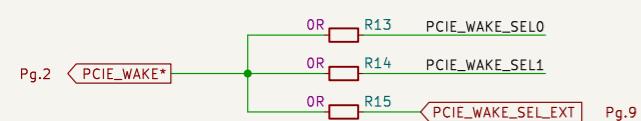
1 2 3 4 5 6 7 8 F



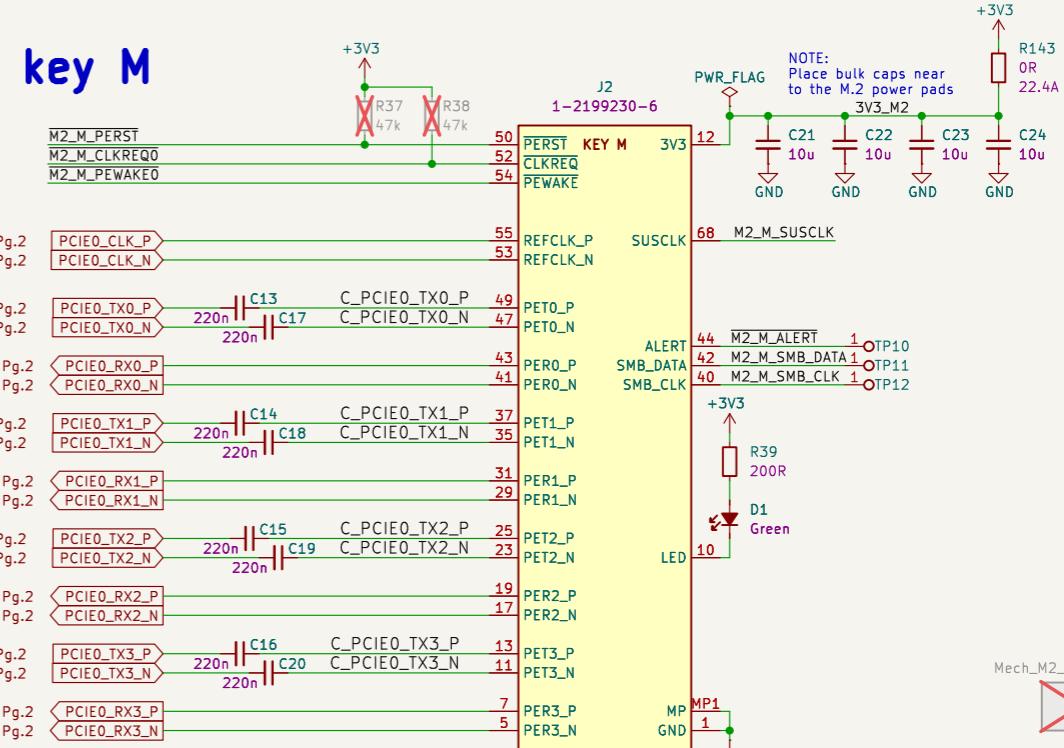
## PCIe0 Root Port / Endpoint mode selector



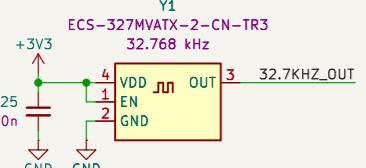
## M.2 PCIE\_WAKE selector



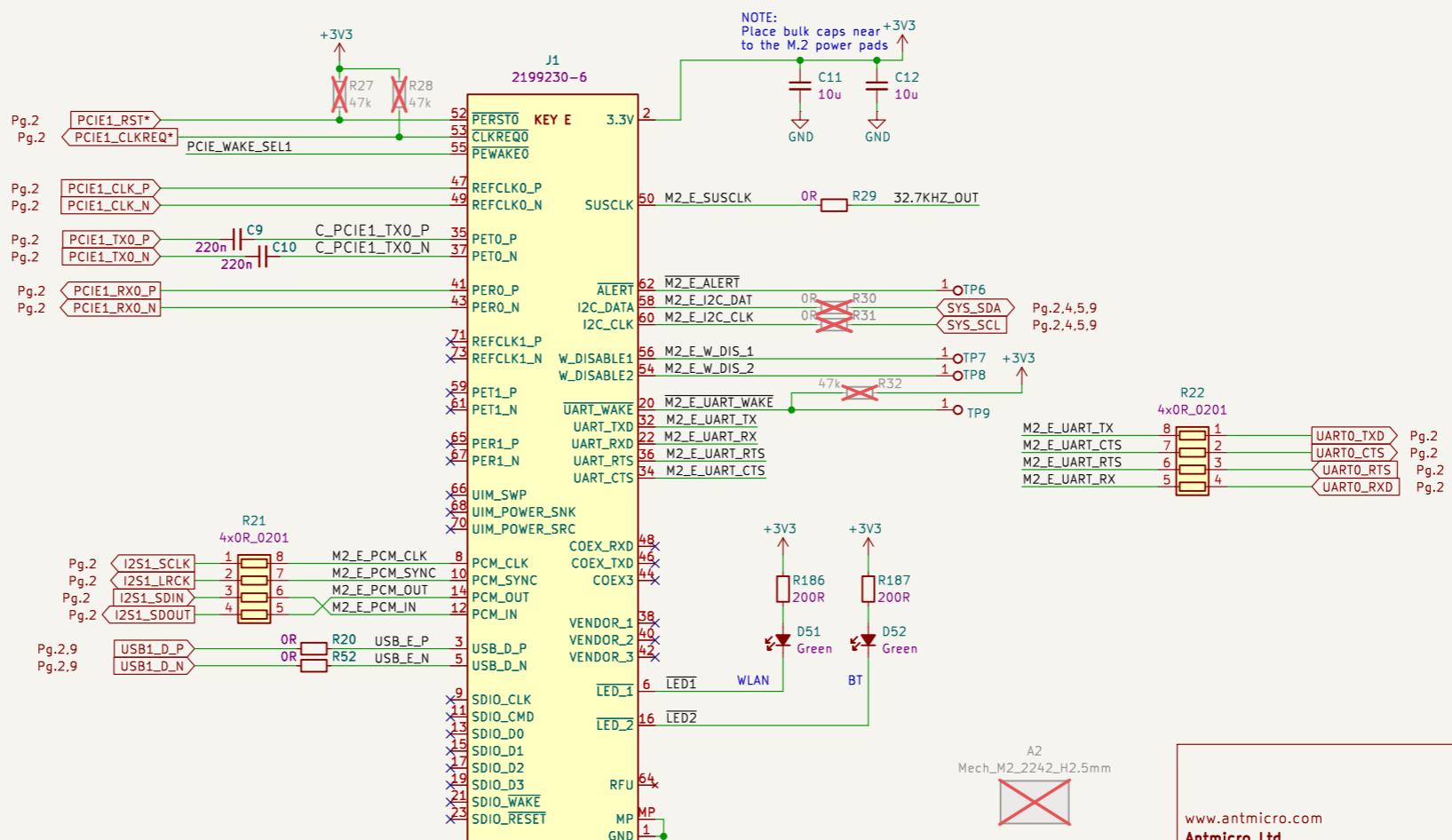
## PCIe0 1x4 key M



## SUSCLK SOURCE



## PCIe1 1x1 key E



A2

Mech\_M2\_2242\_H2.5mm

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Sheet: /M.2/

File: m-2.kicad\_sch

Title: Jetson Orin Baseboard

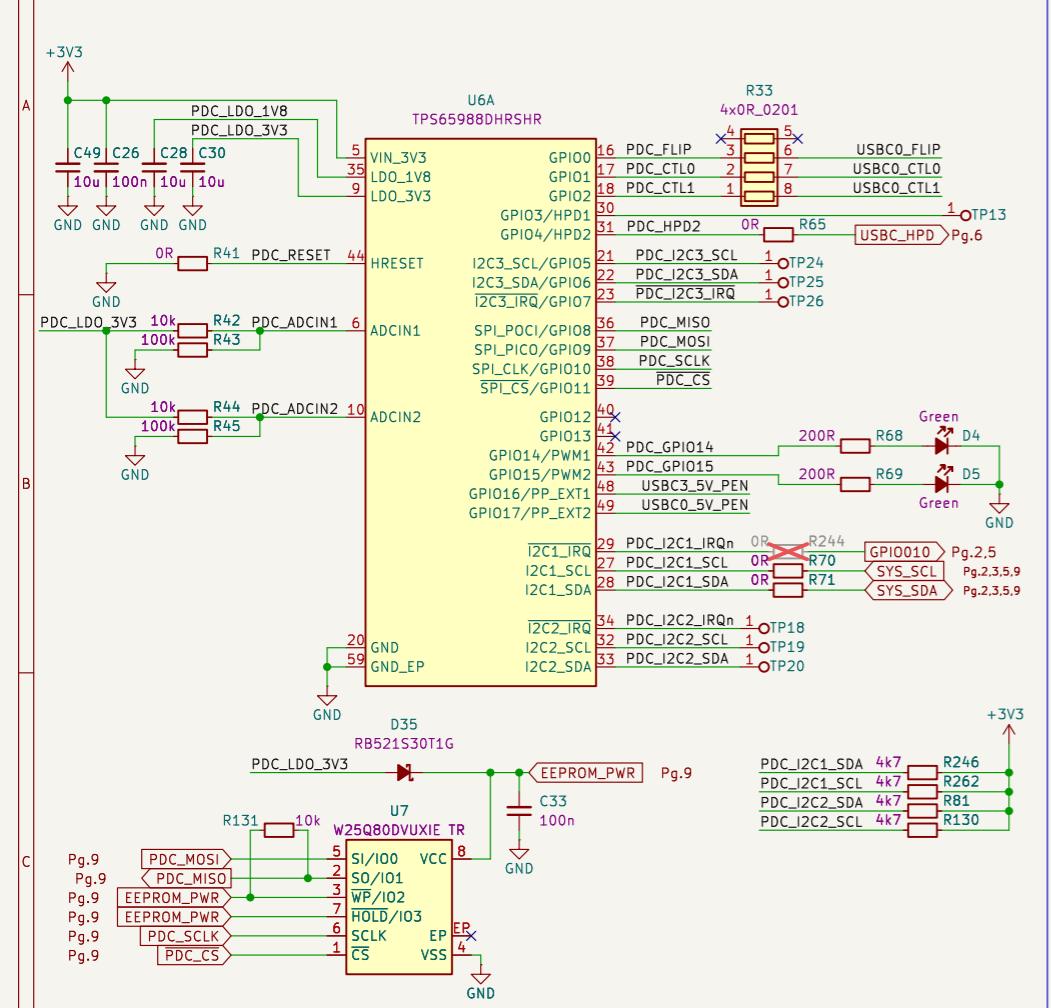
Size: A3 Date: 2025-01-15

KiCad E.D.A. 8.0.7

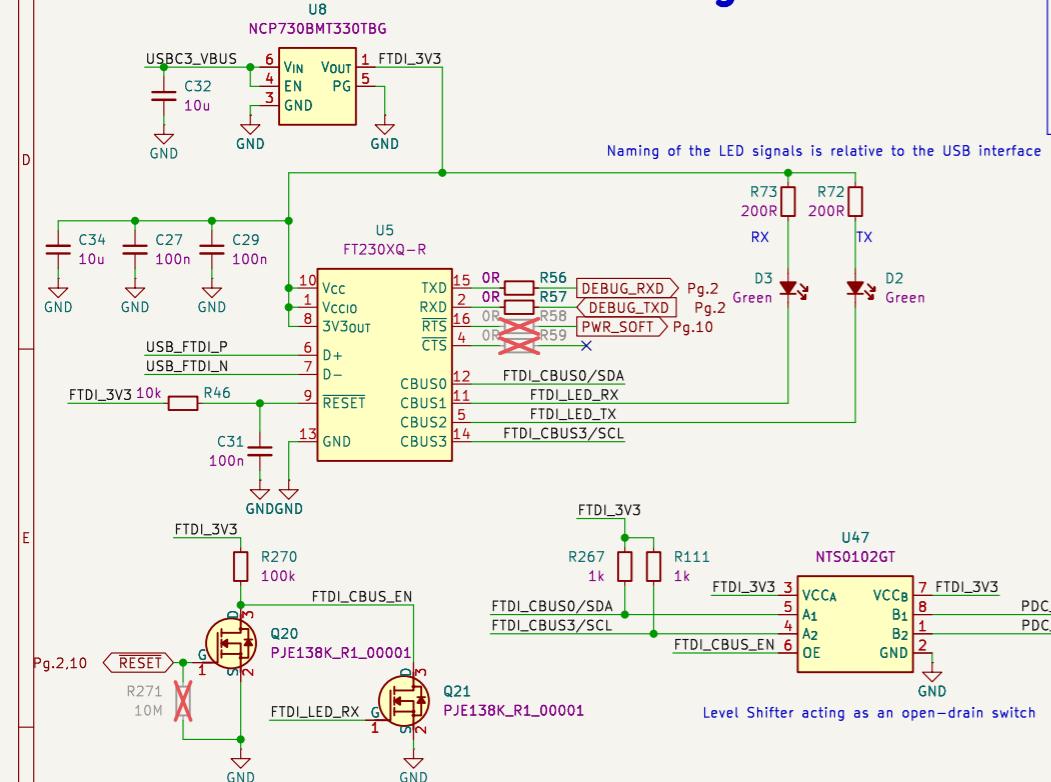
Rev: 1.3.0:12d5a

Id: 3/10

# USB PD Controller

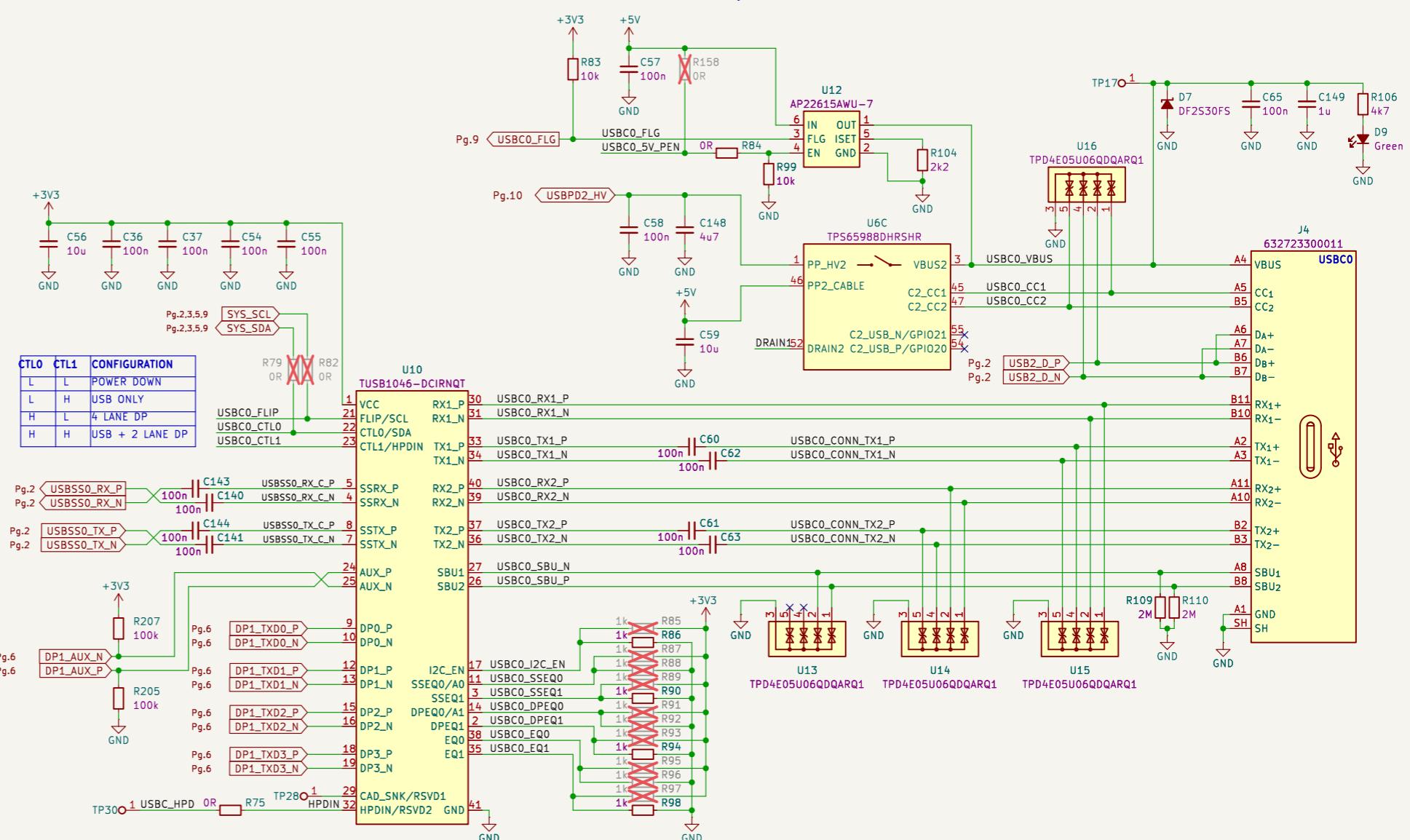


# USB–UART Bridge



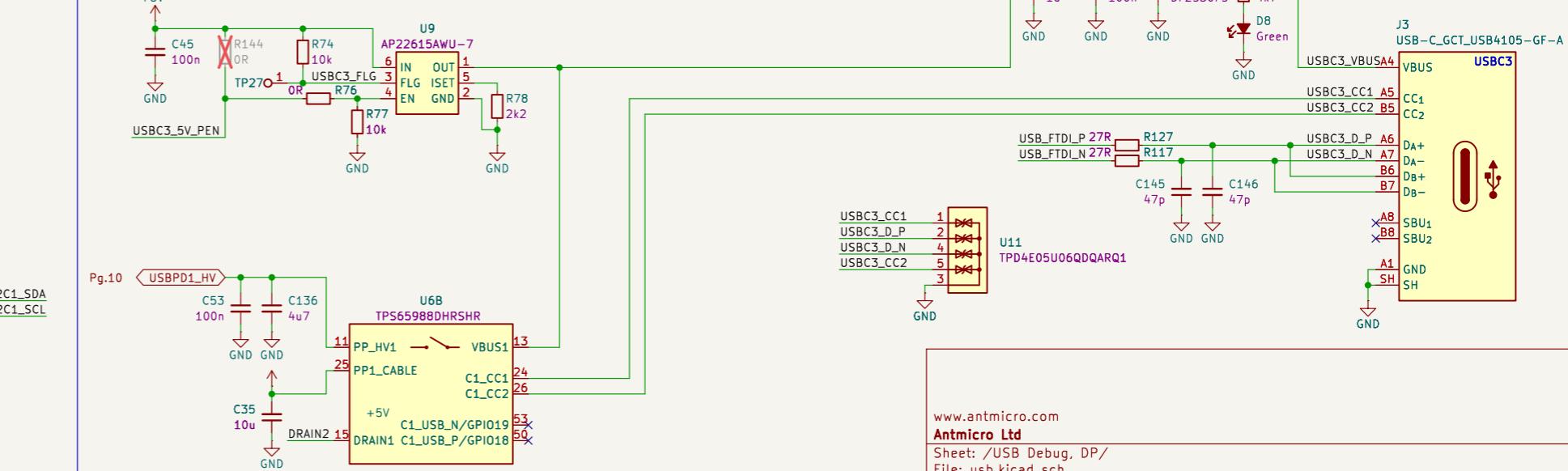
## USB-C 0 Display Port alt mode

USB-PD Source/Sink

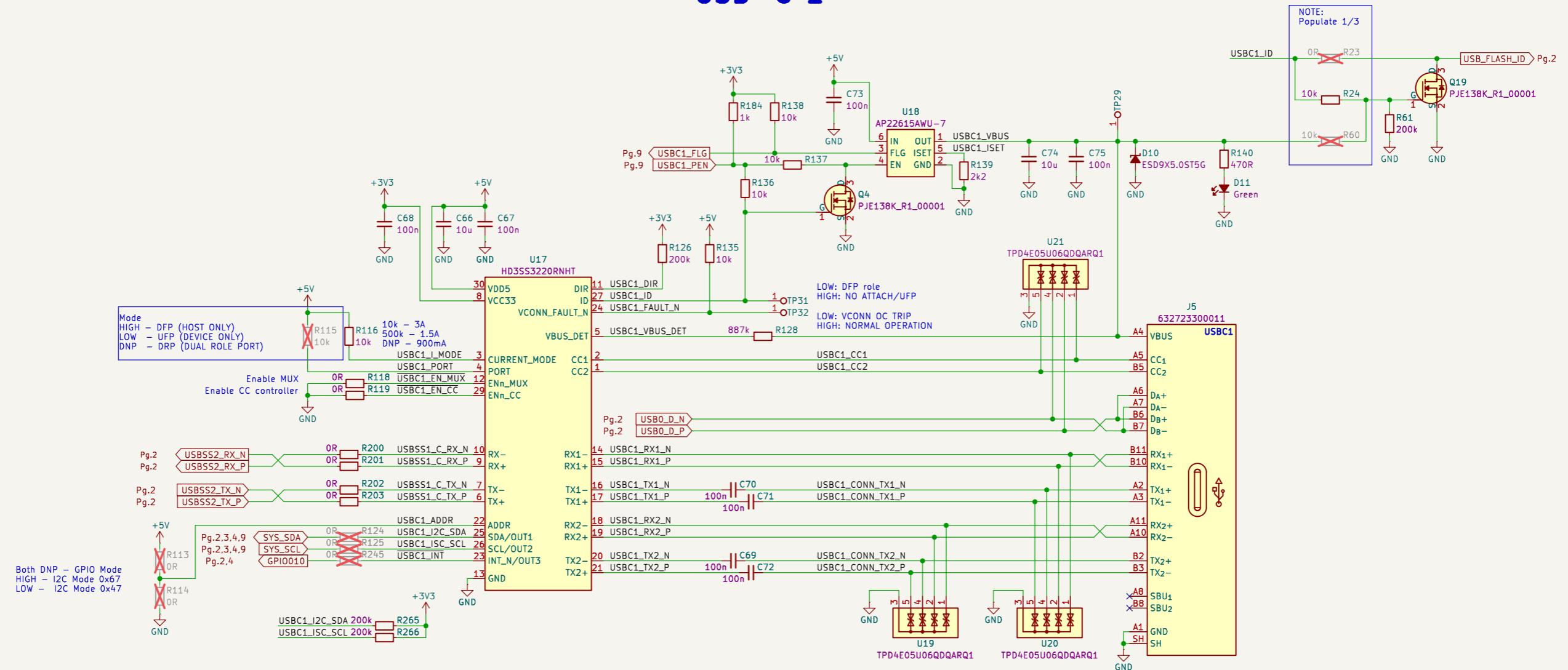


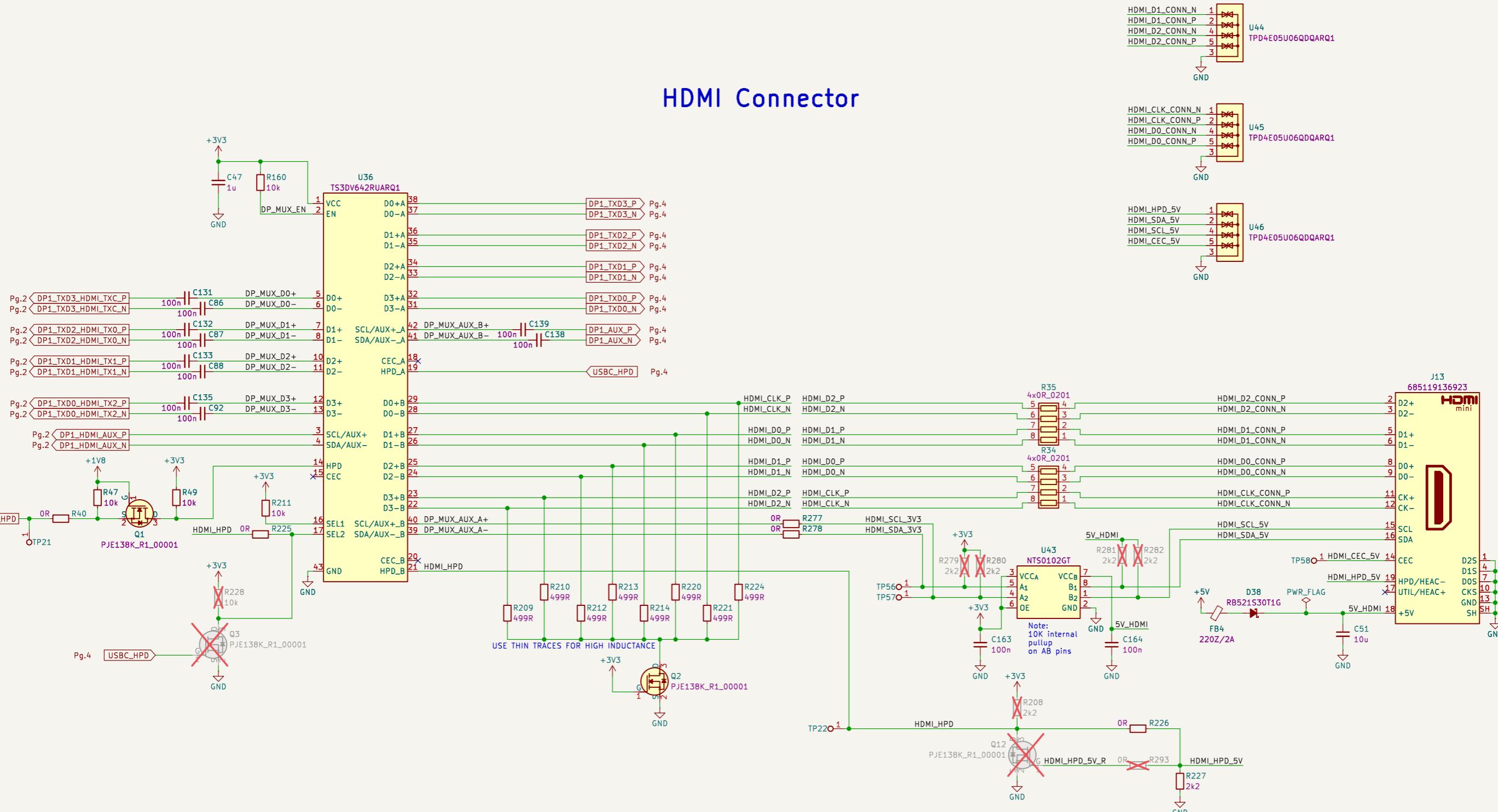
# Debug USB-C 3

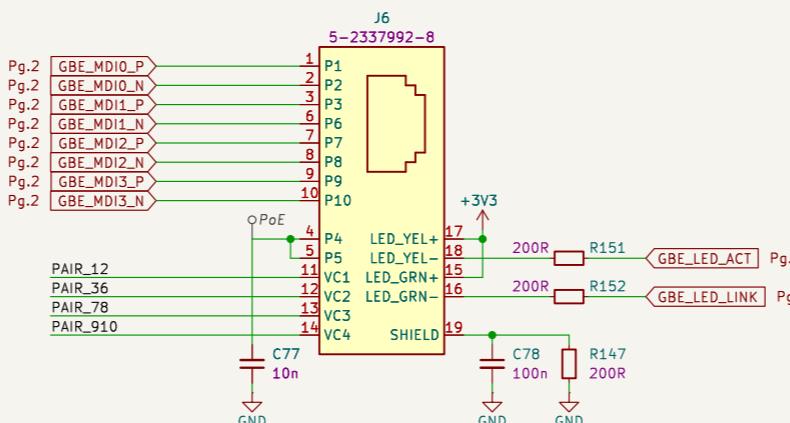
## USB-PD Source/Sink



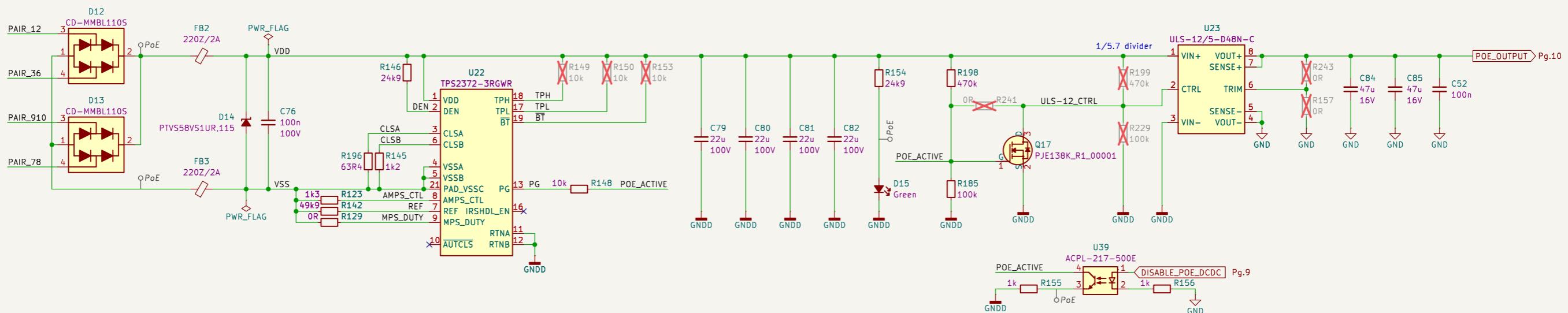
# USB-C 1

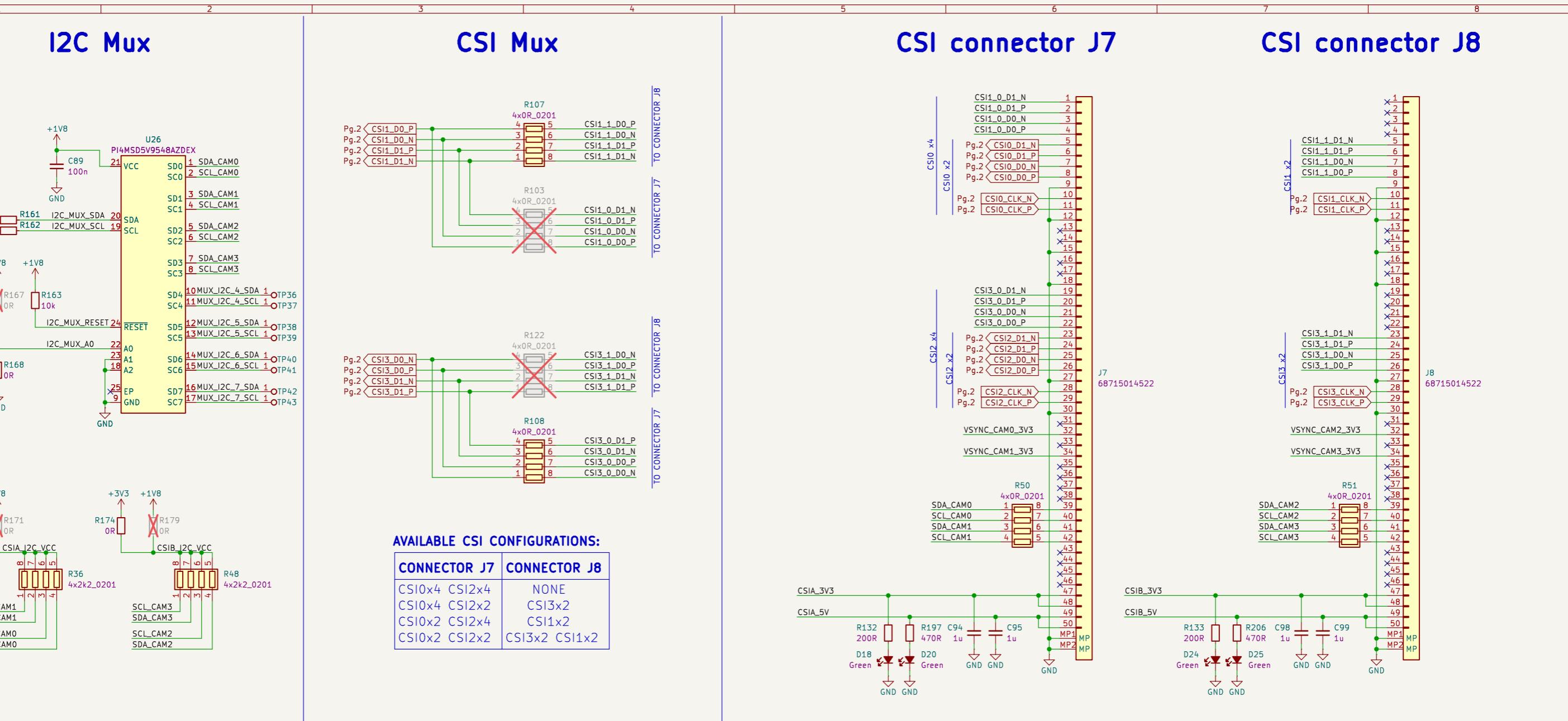




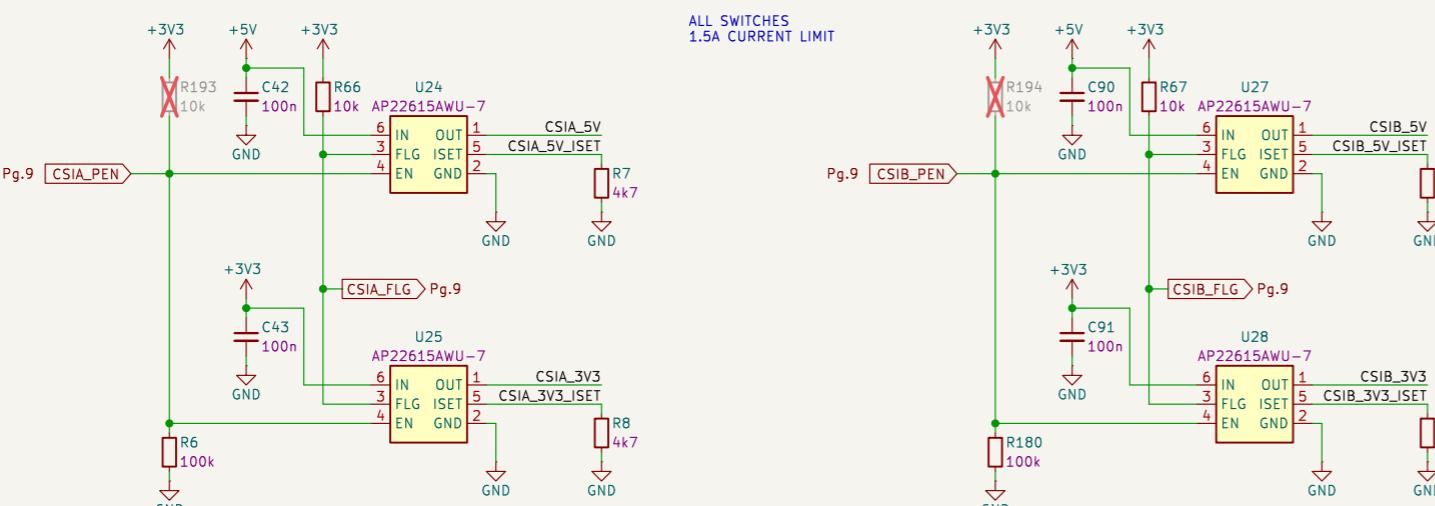


## Power over Ethernet

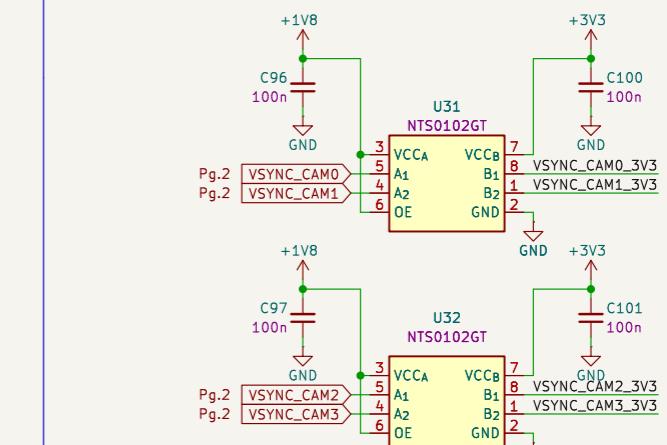




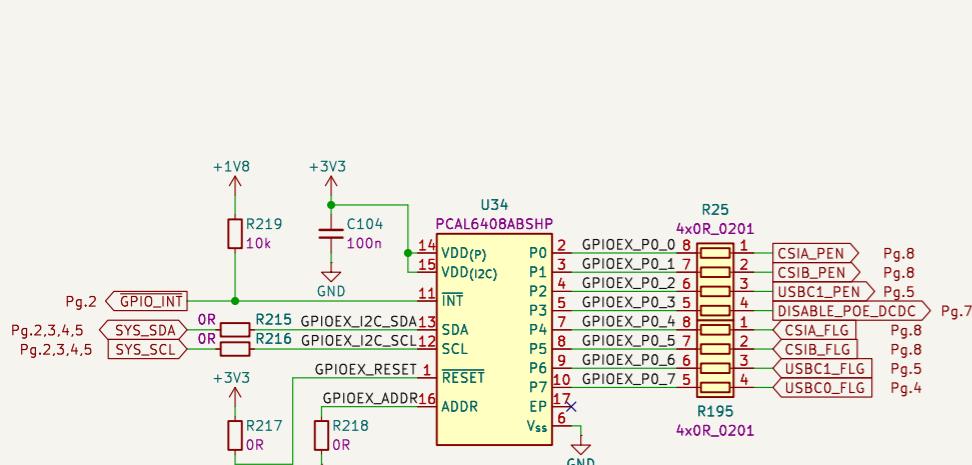
## Power switches



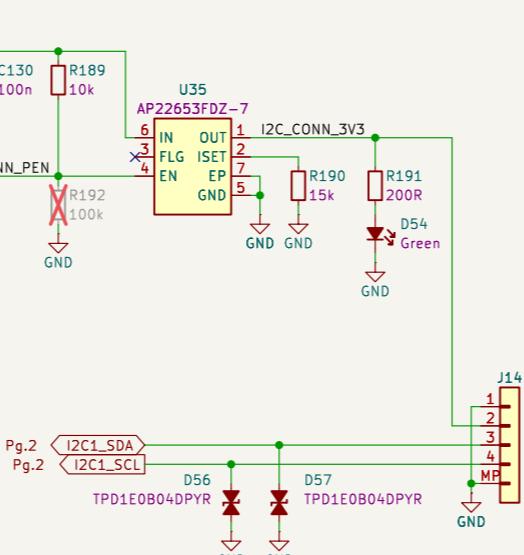
## Level shifters



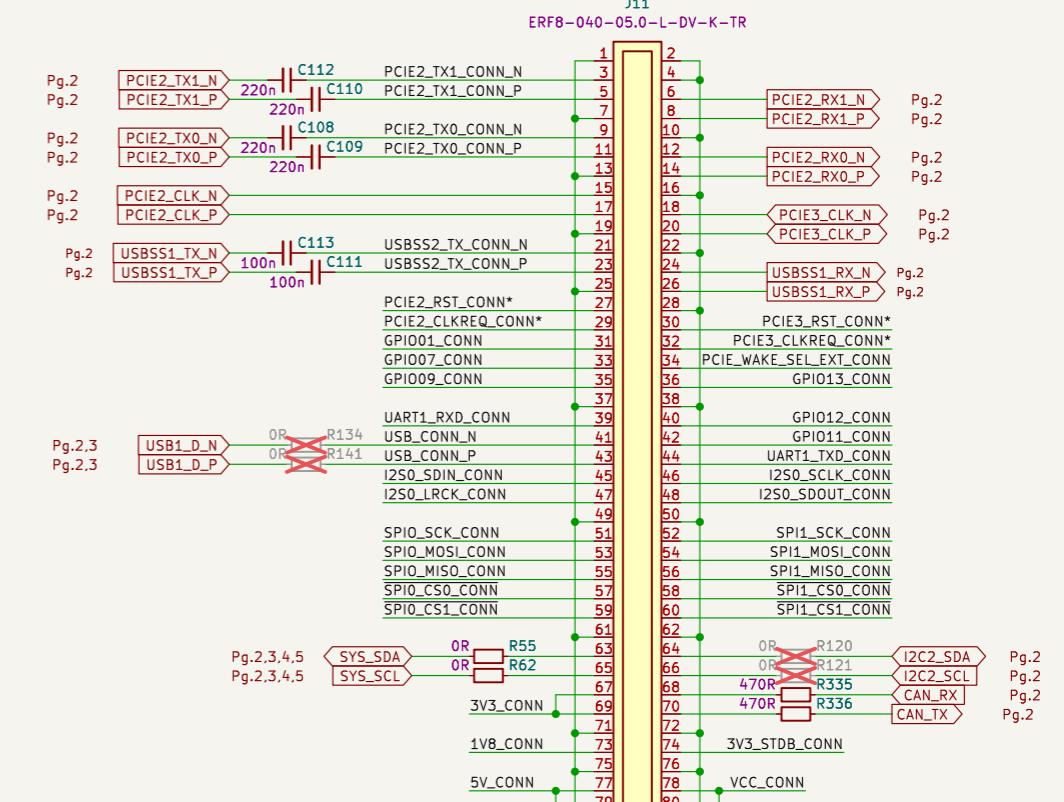
## GPIO expander



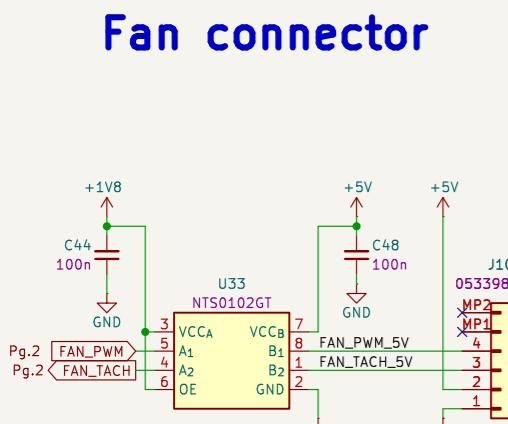
## I2C connector



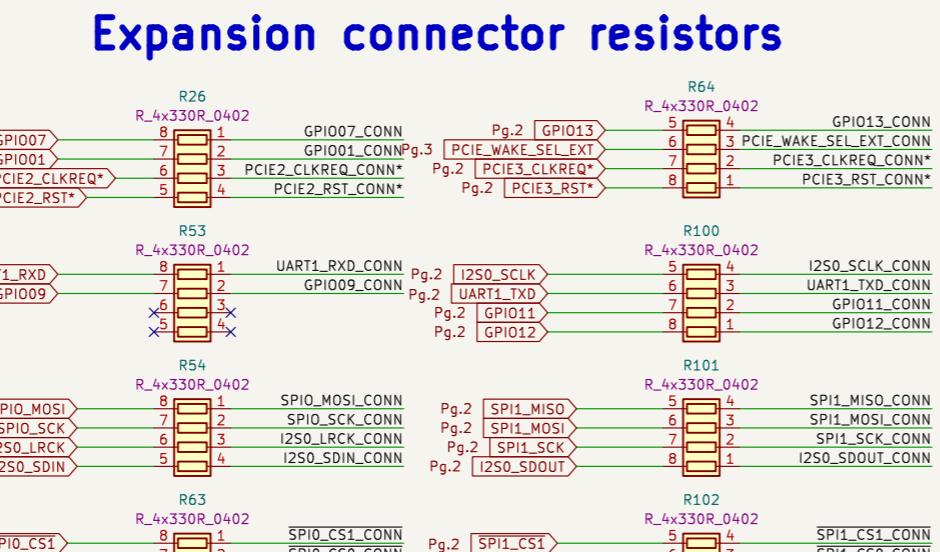
## Expansion connector



## Fan connector

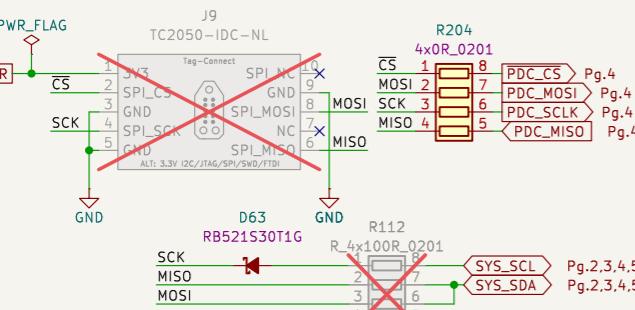


## Expansion connector resistors

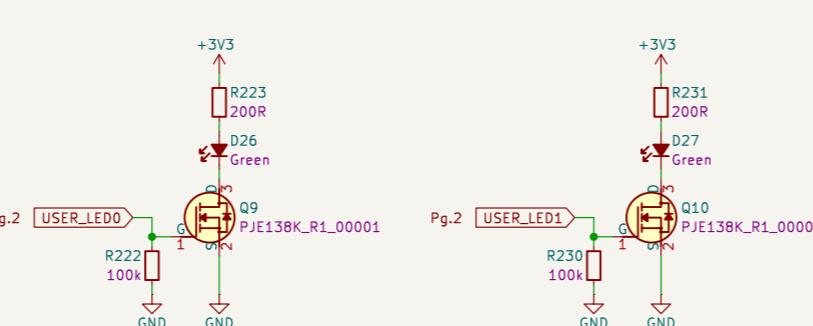


## Debug connector

pinout compatible with  
www.github.com/antmicro/ftdi-toolkit



## LED indicators



## Buttons

