

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

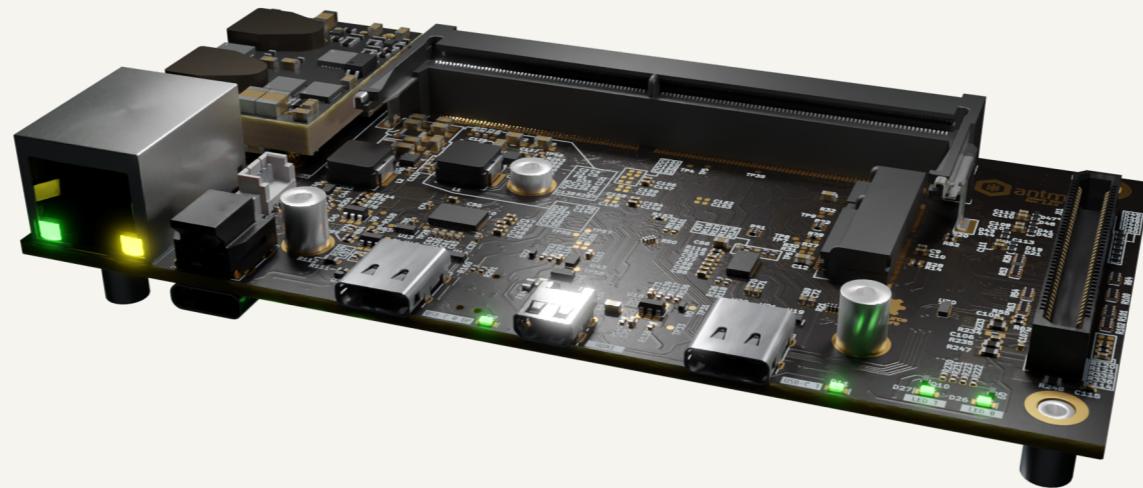
B

C

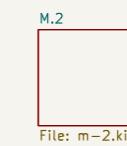
C

D

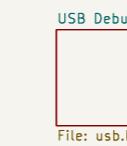
D



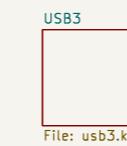
File: som.kicad\_sch



File: m-2.kicad\_sch



File: usb.kicad\_sch



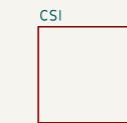
File: usb3.kicad\_sch



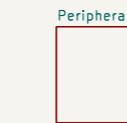
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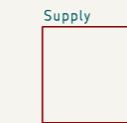
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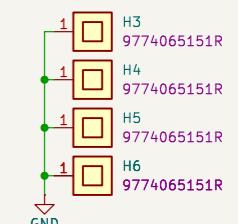
File: csi.kicad\_sch



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: 2025-03-12

KiCad E.D.A. 8.0.7

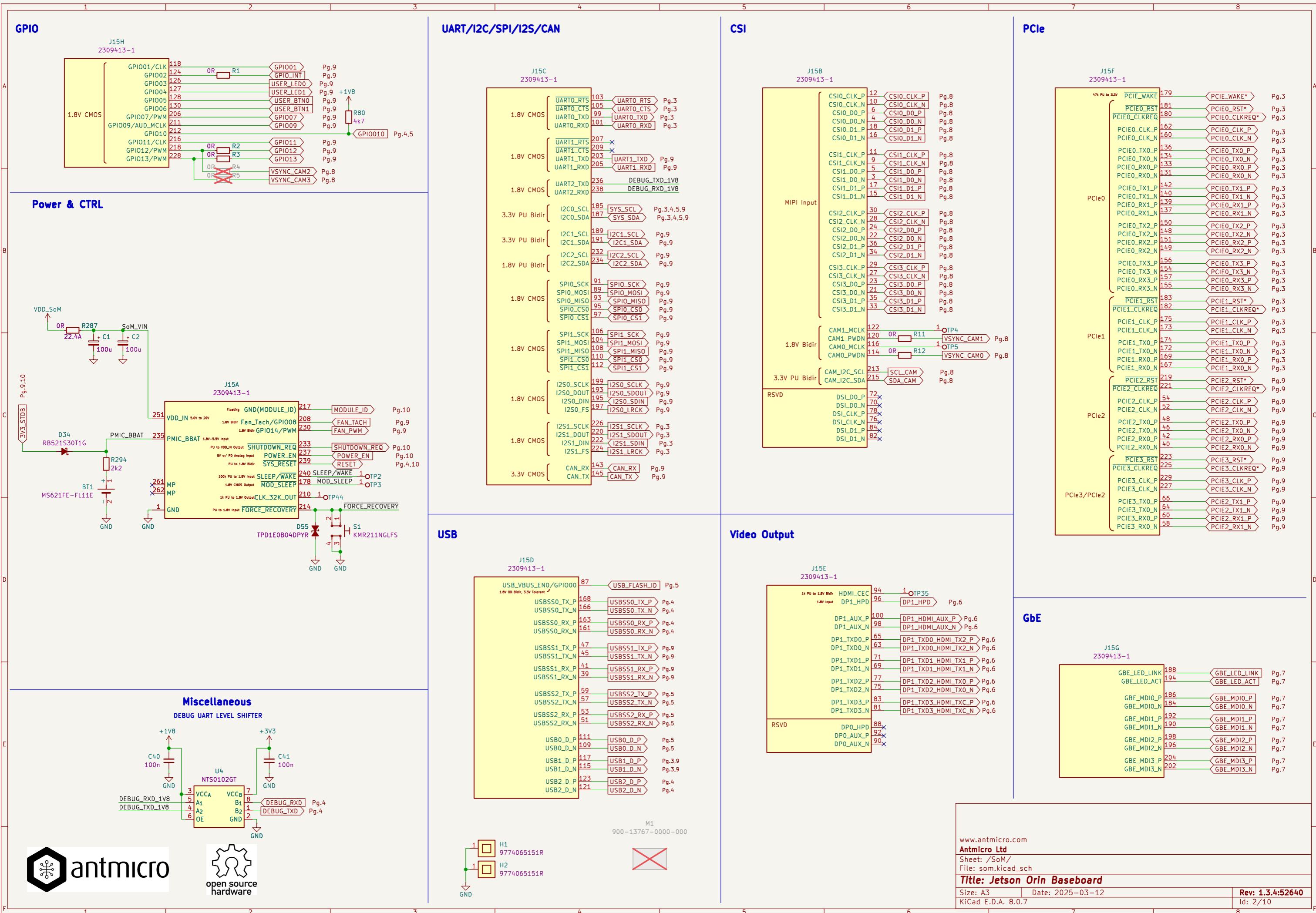
Rev: 1.3.4:52640

Id: 1/10

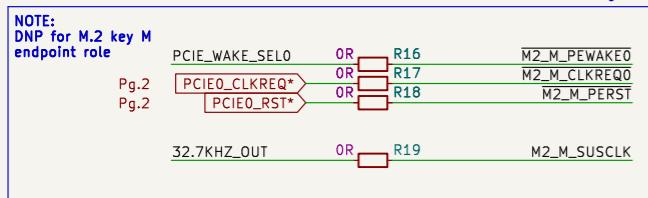
1 2 3 4 5 6 7 8

F

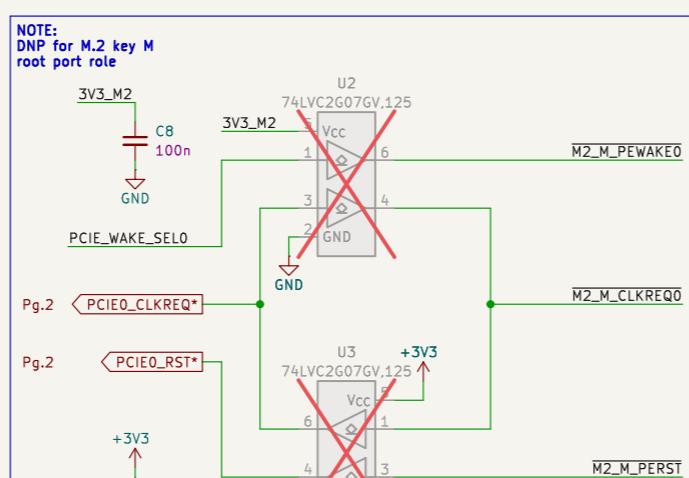
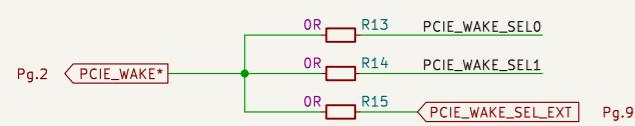
F



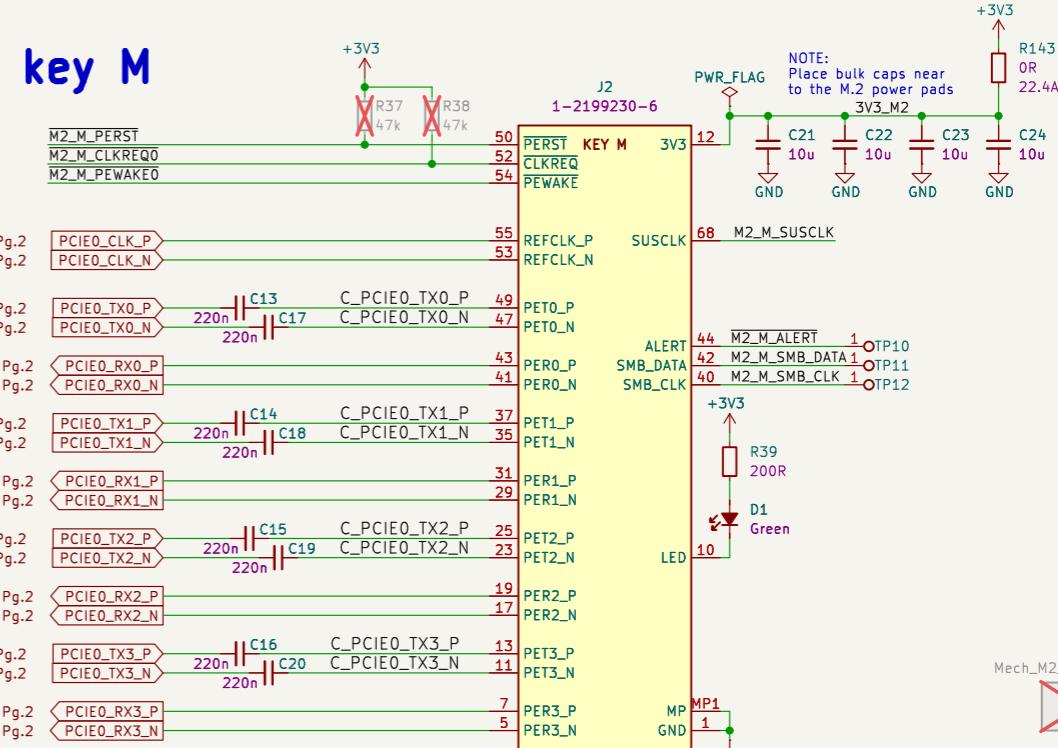
## PCIe0 Root Port / Endpoint mode selector



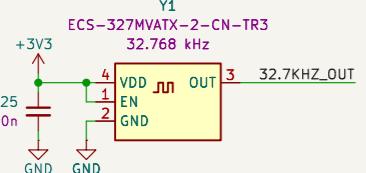
## M.2 PCIE\_WAKE selector



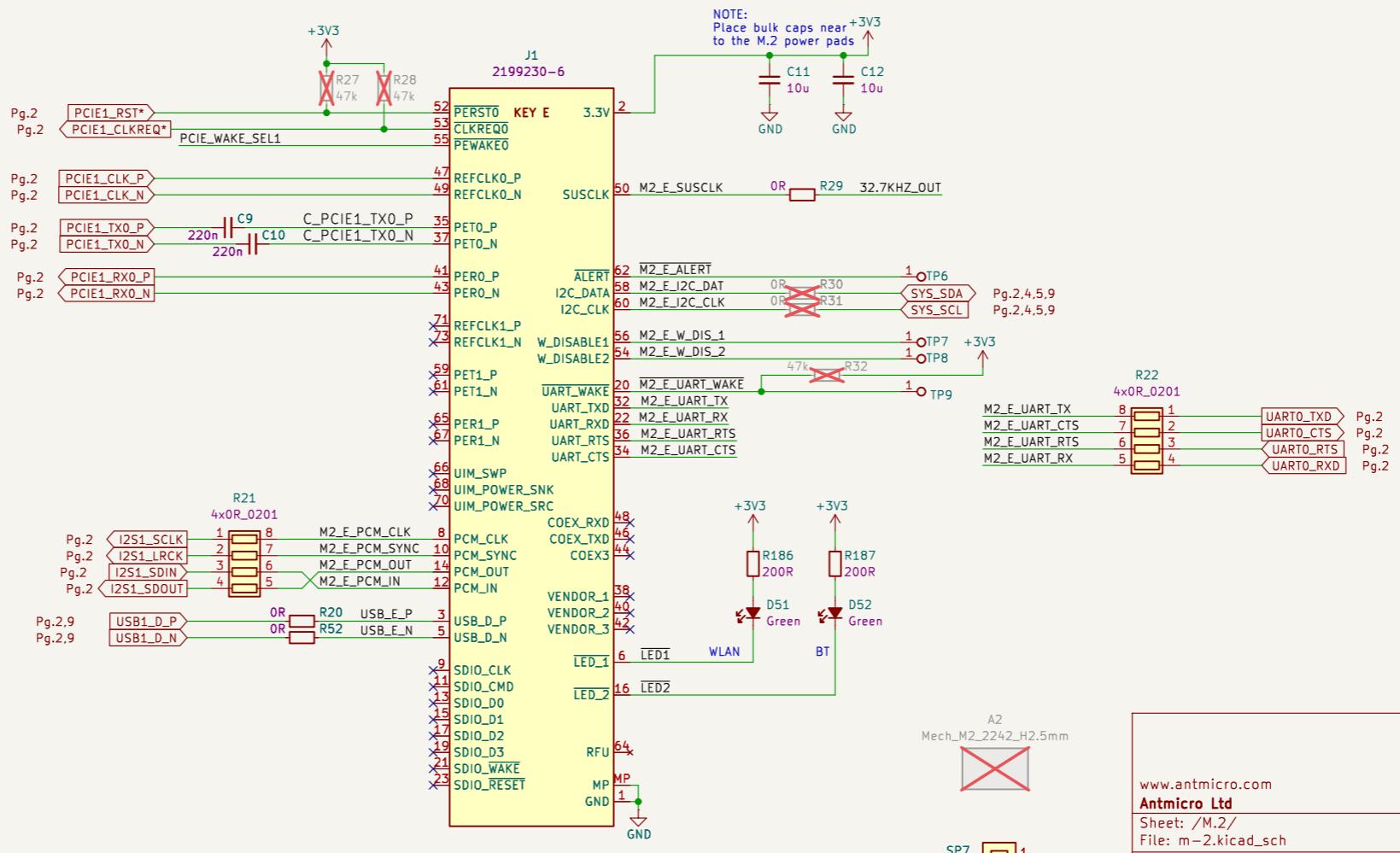
## PCIe0 1x4 key M



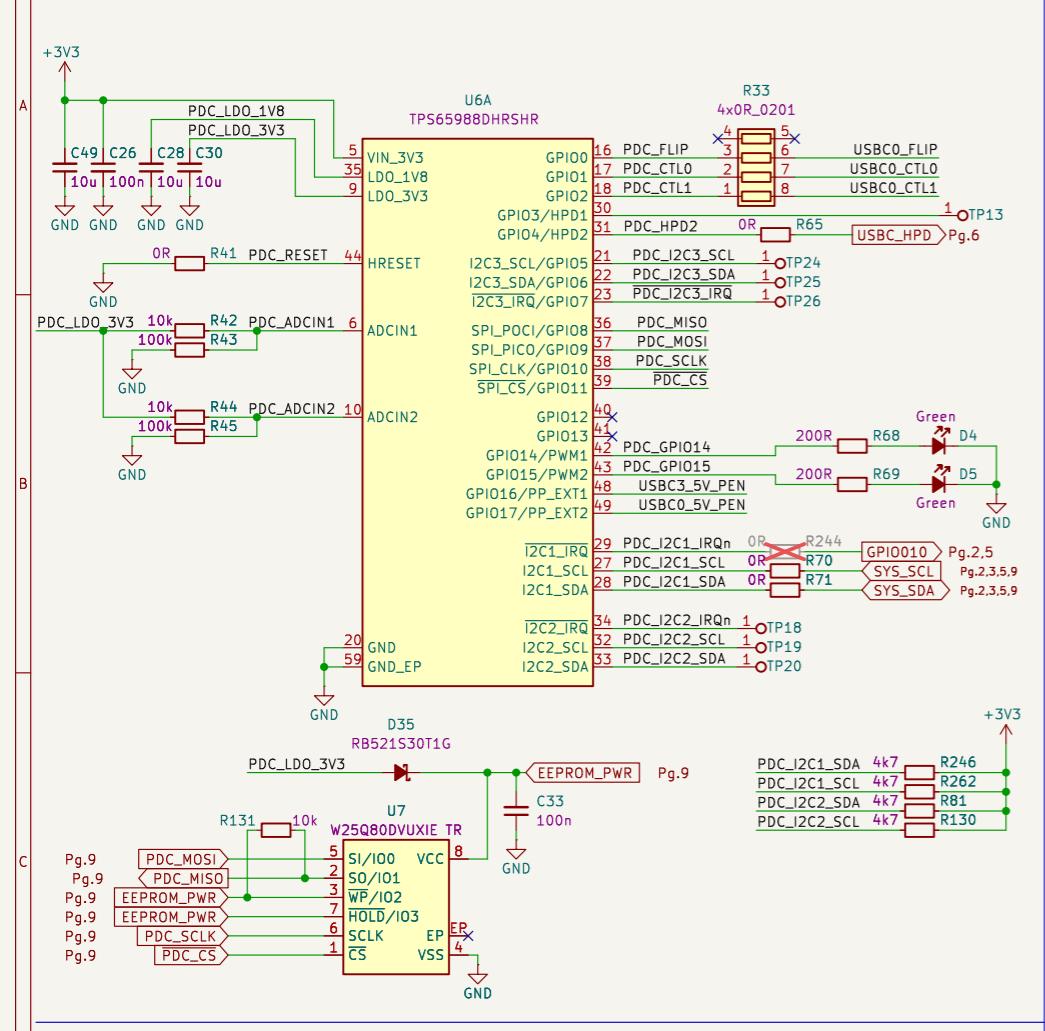
## SUSCLK SOURCE



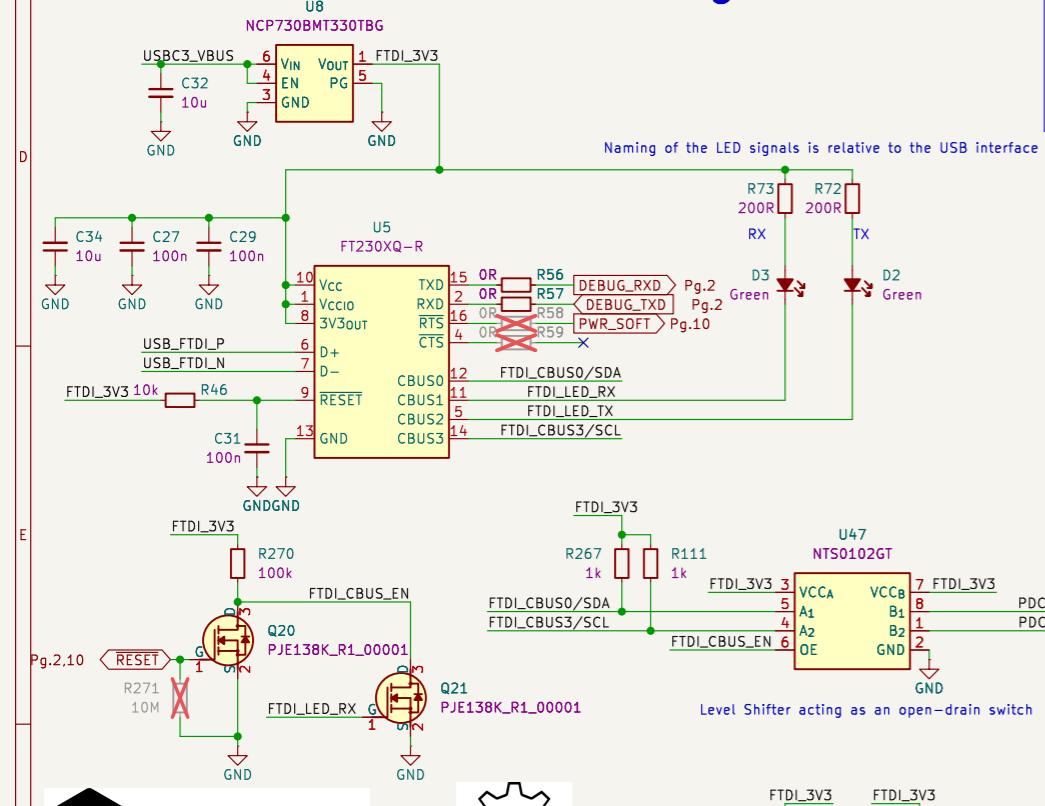
## PCIe1 1x1 key E



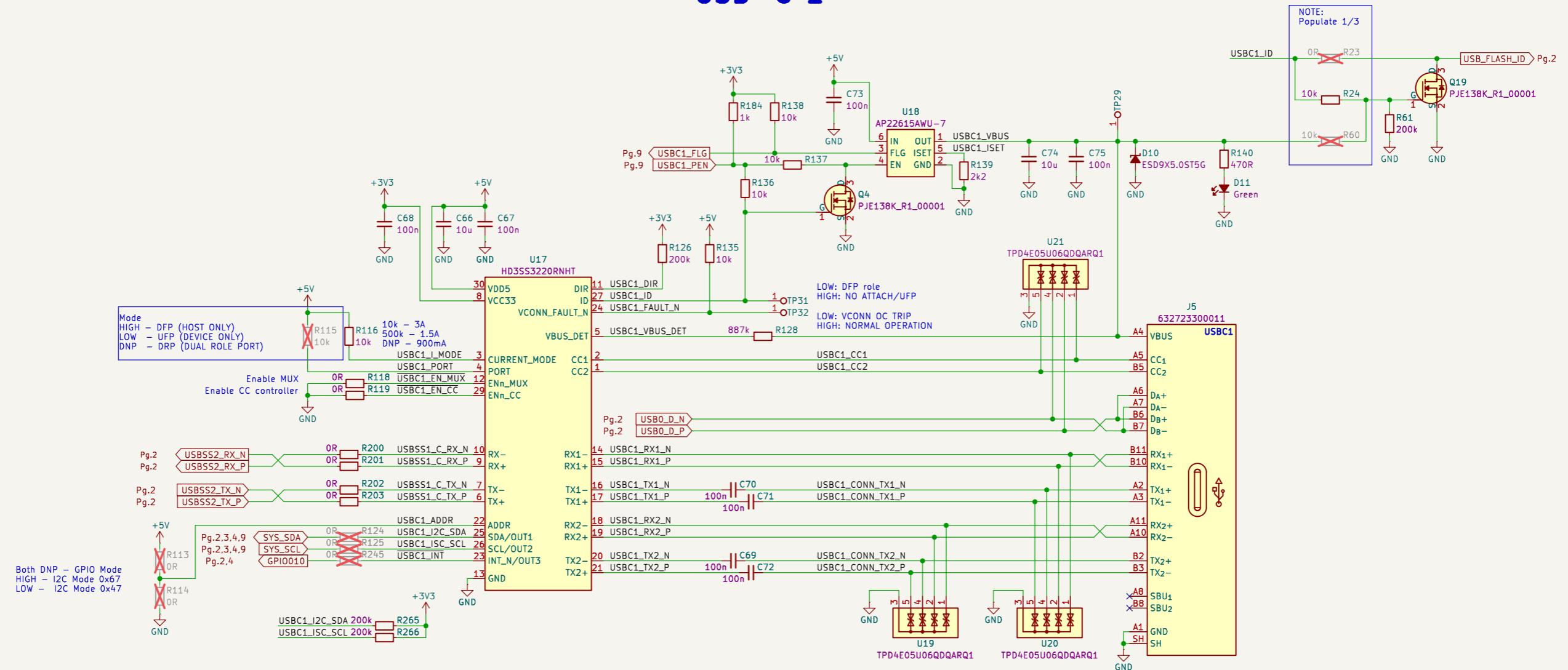
## USB PD Controller



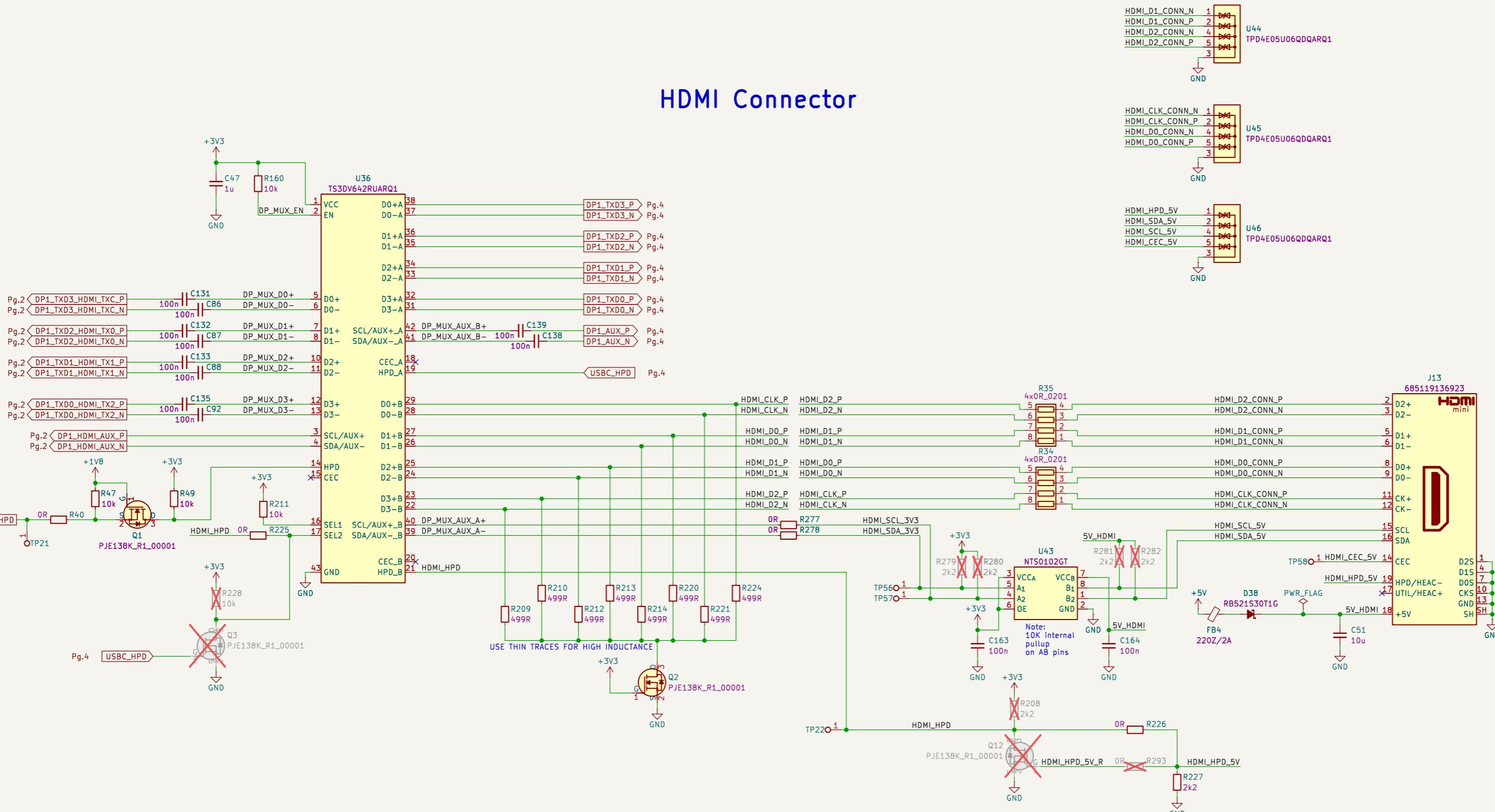
## USB-UART Bridge



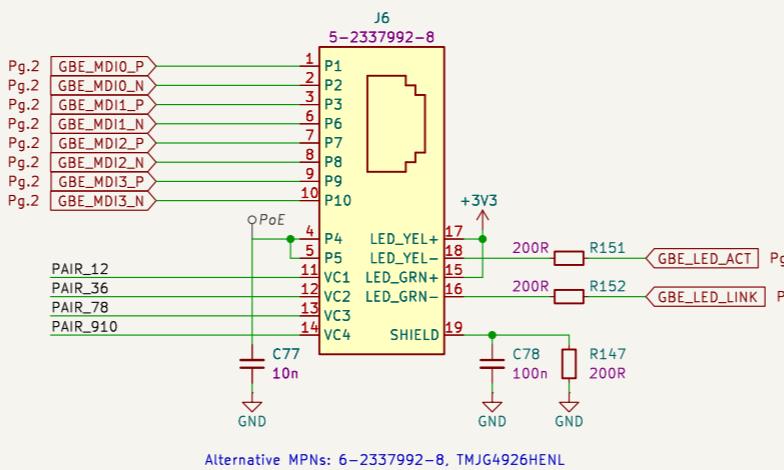
# USB-C 1



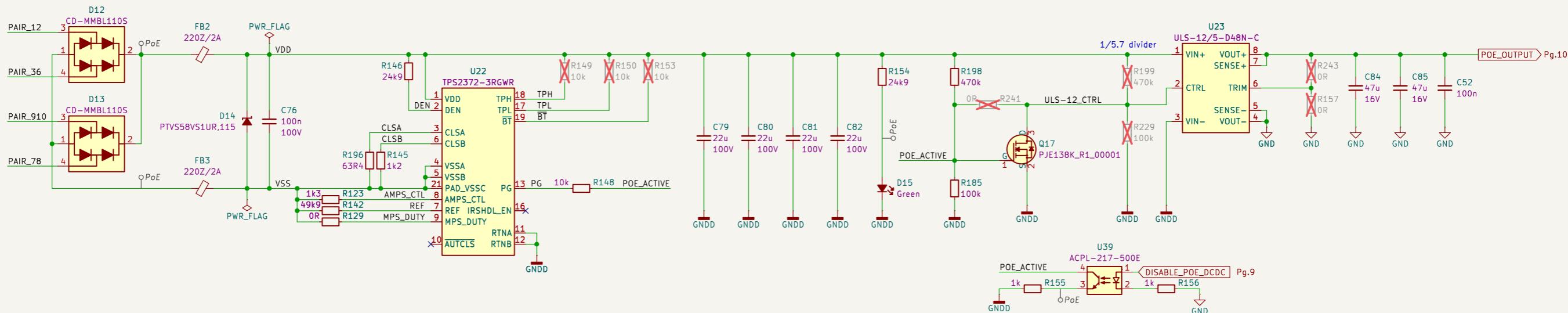
## HDMI Connector

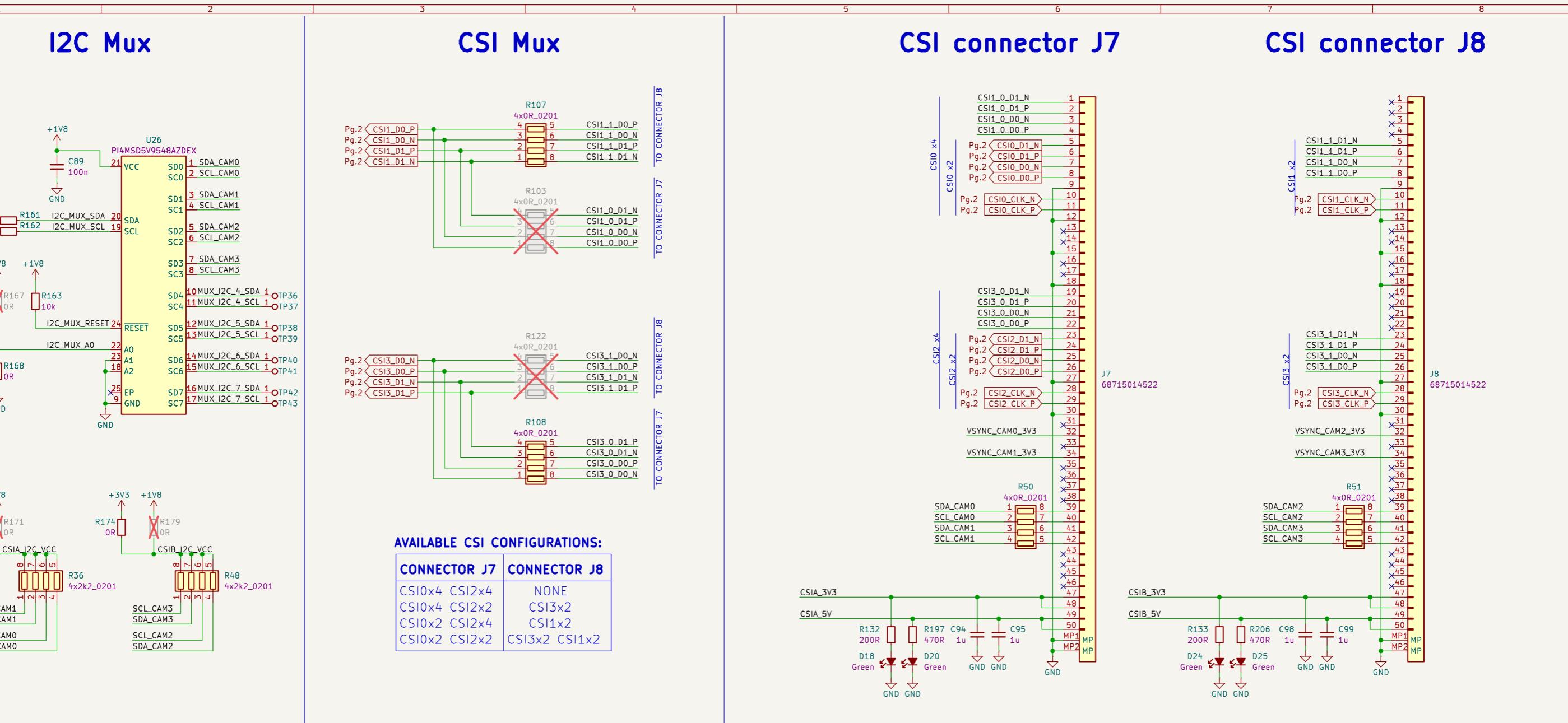


## Ethernet Connector

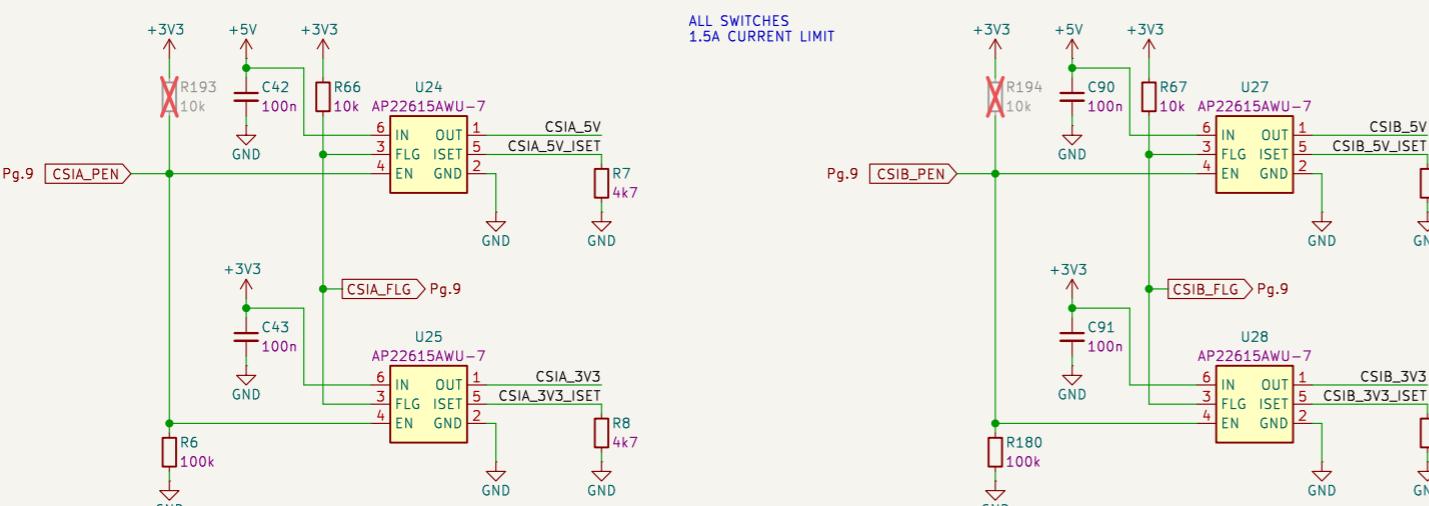


## Power over Ethernet

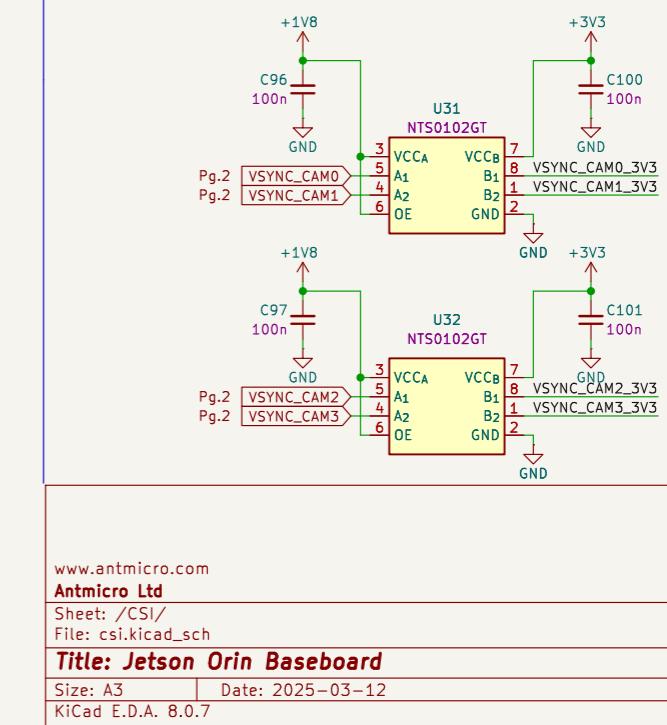


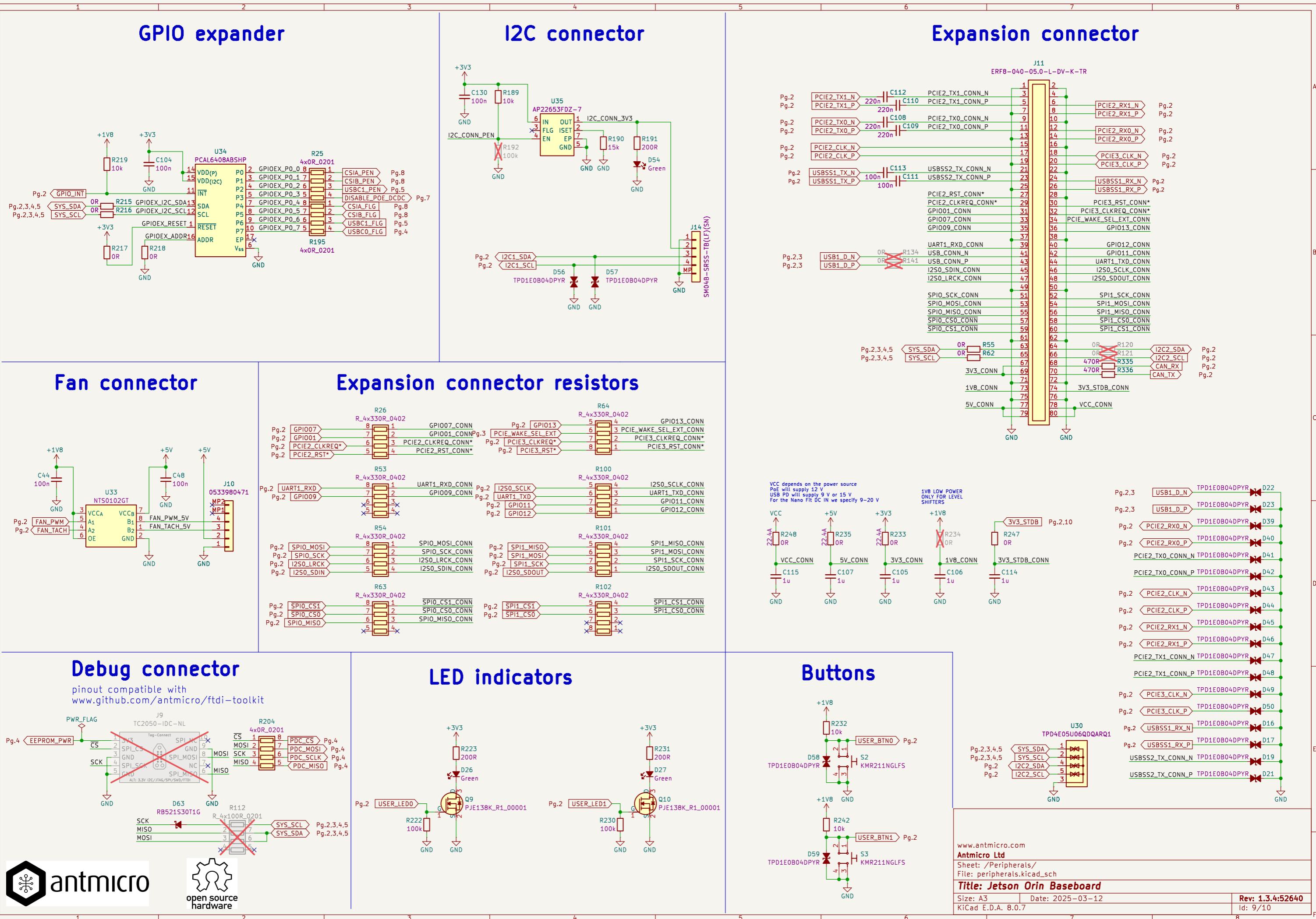


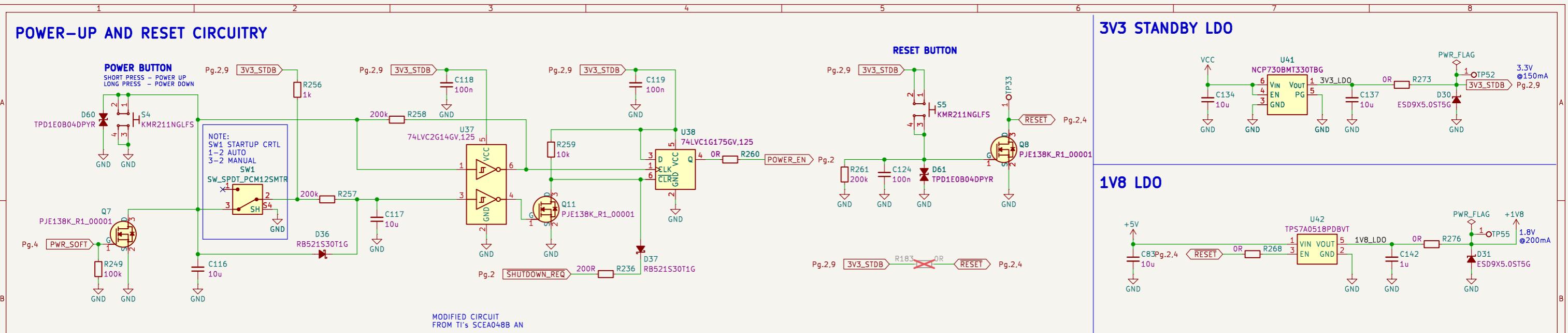
## Power switches



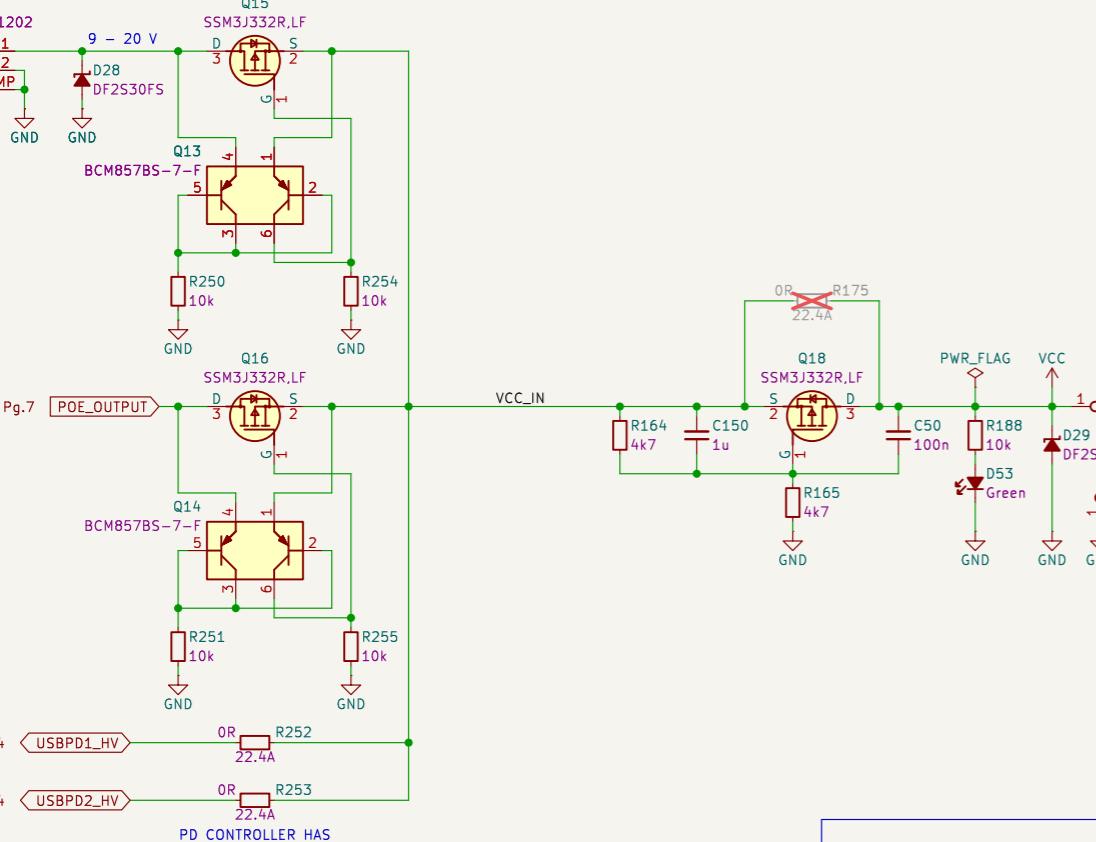
## Level shifters



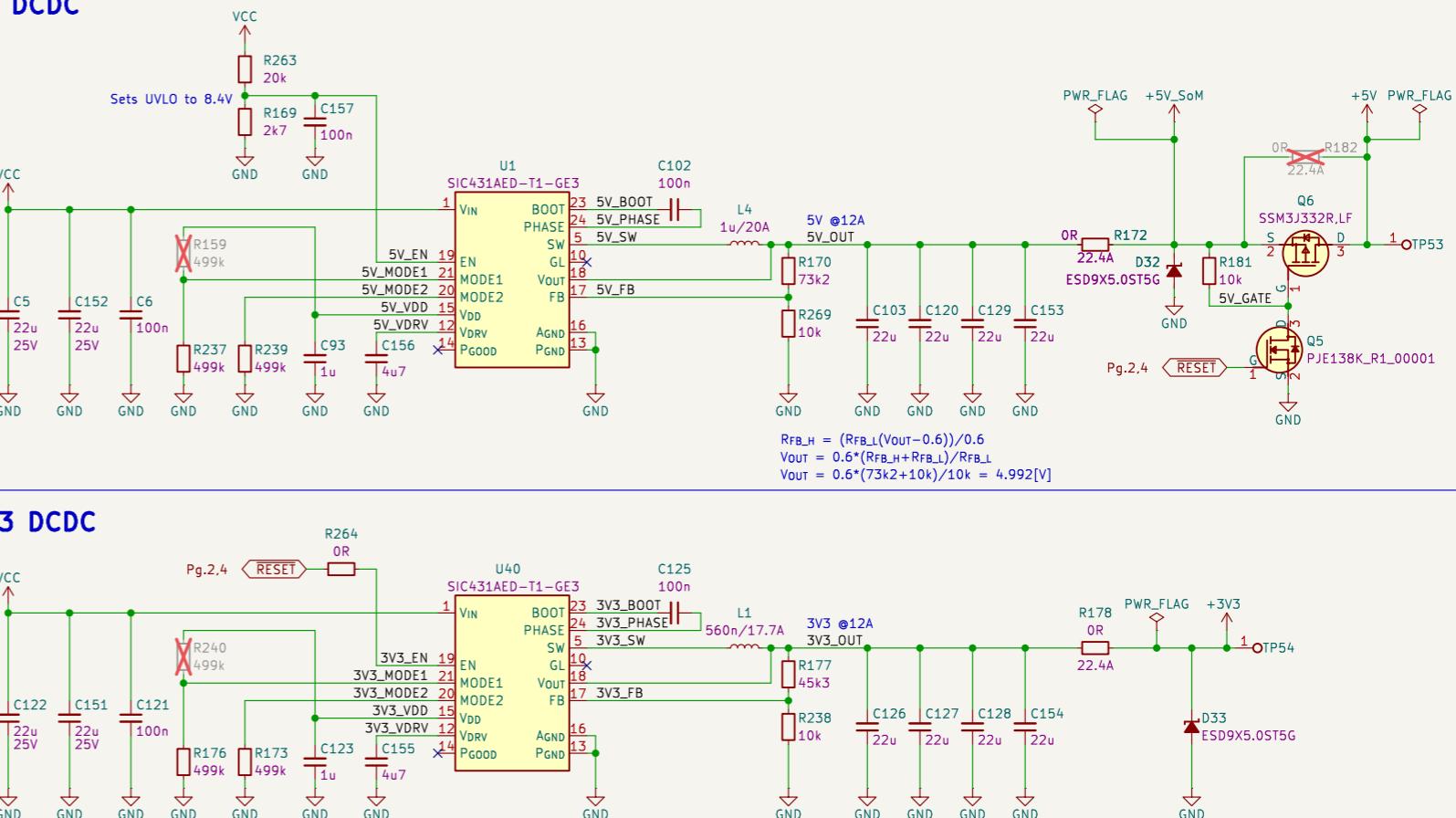




## INPUT SELECTOR AND SOFT START



5V DCDC



SoM supply selector

