

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

B

C

D

E

F

A

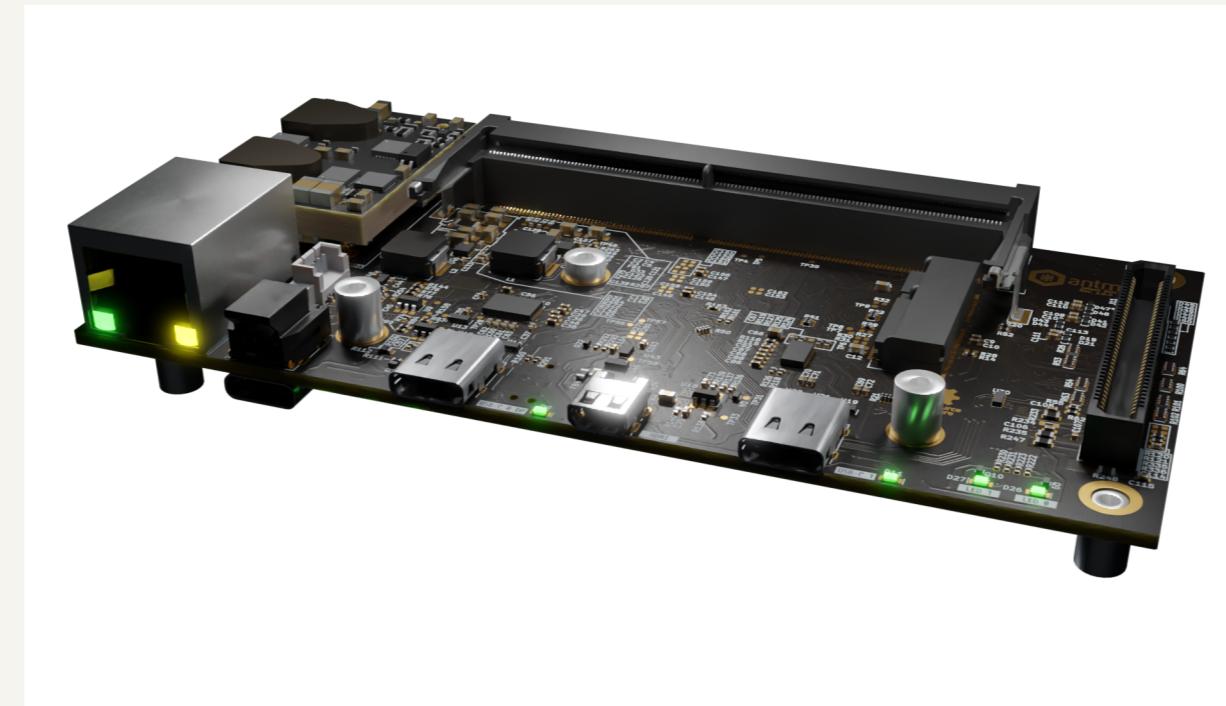
B

C

D

E

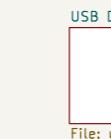
F



File: som.kicad\_sch



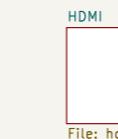
File: m-2.kicad\_sch



File: usb.kicad\_sch



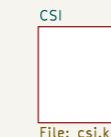
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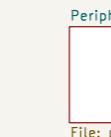
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File: ethernet.kicad\_sch



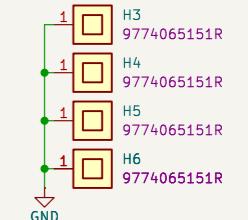
File: csi.kicad\_sch



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: 2024-10-14  
KiCad E.D.A. kicad-cli 7.0.11

Rev: 1.2.0:d1f63 Id: 1/10

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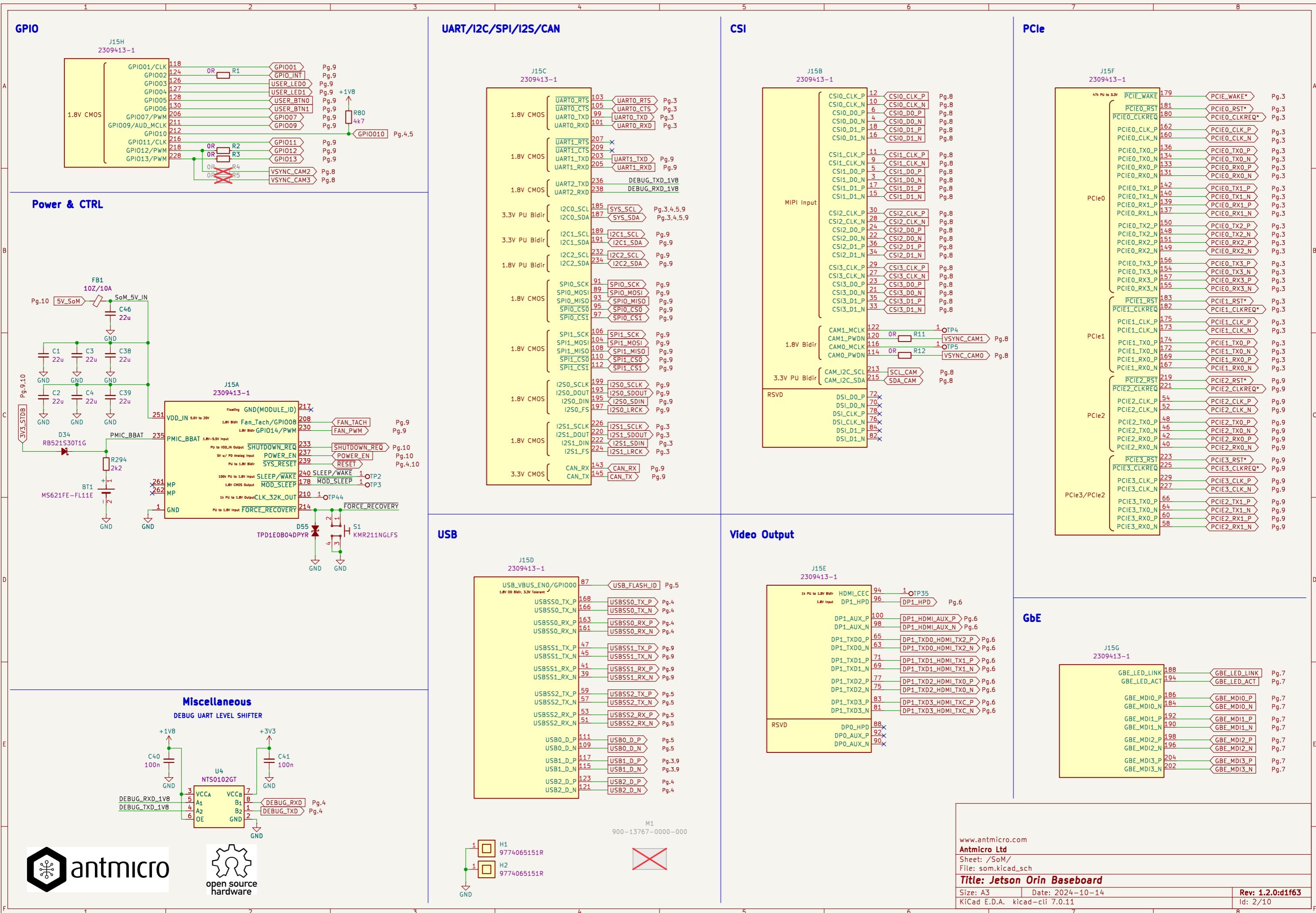
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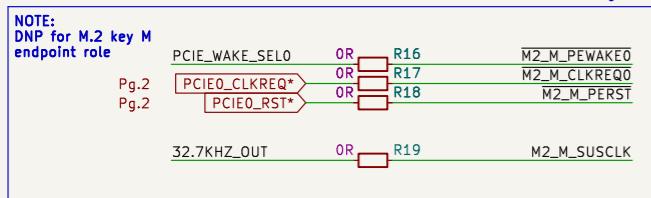
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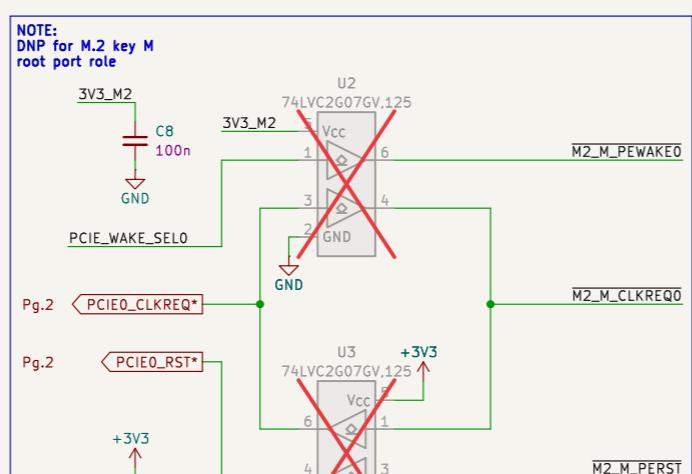
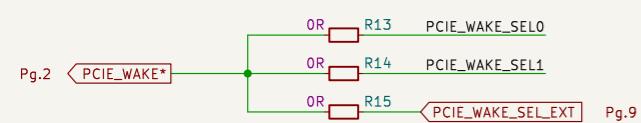
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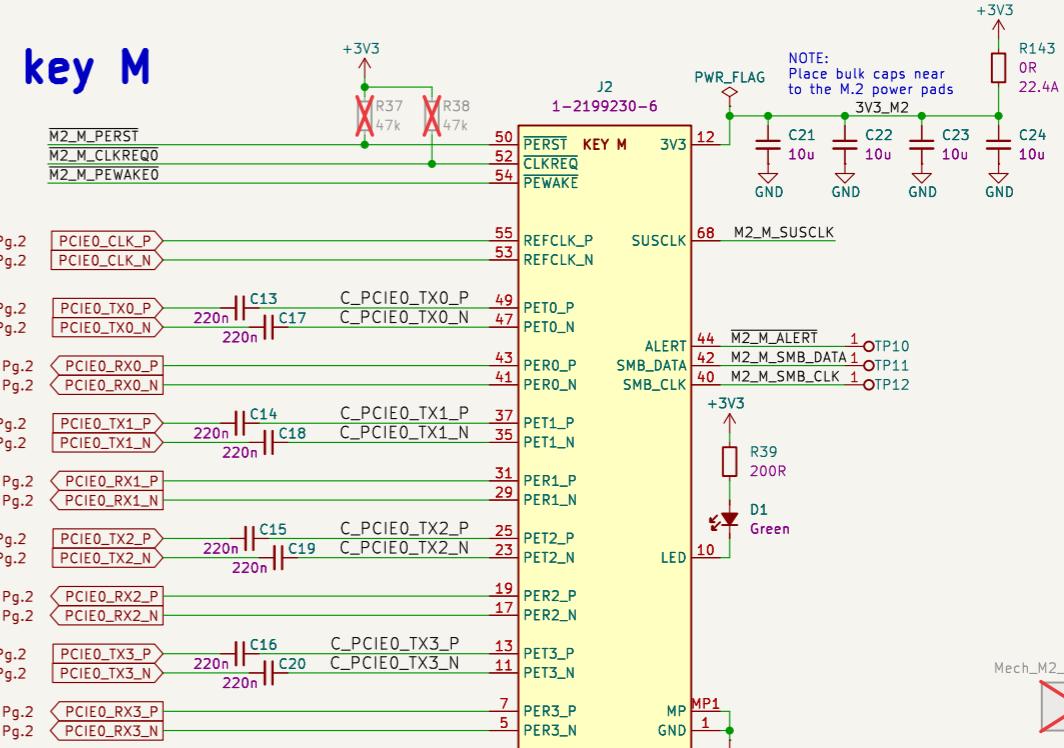
## PCIe0 Root Port / Endpoint mode selector



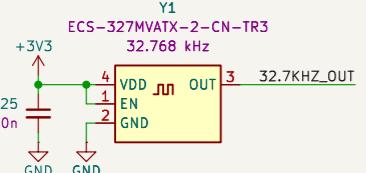
## M.2 PCIE\_WAKE selector



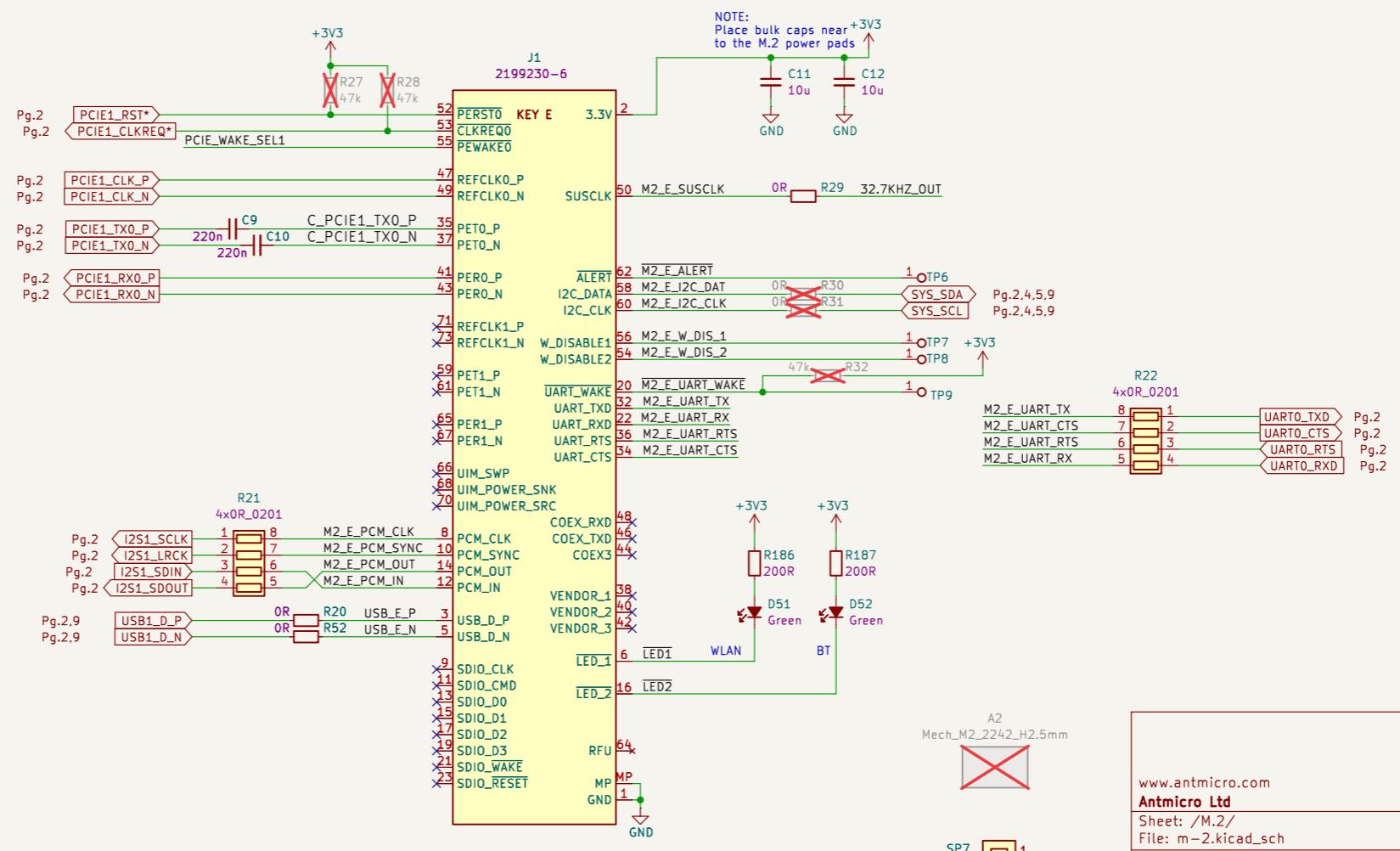
## PCIe0 1x4 key M



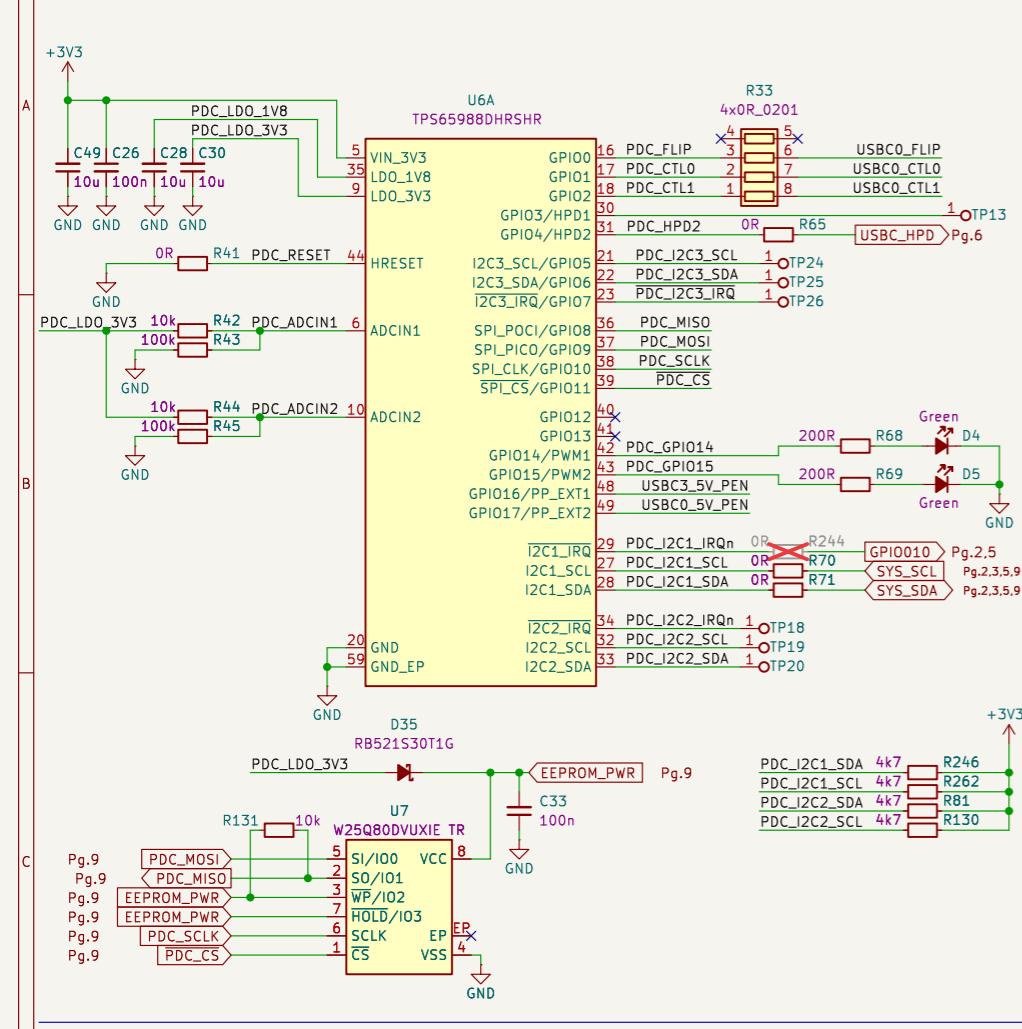
## SUSCLK SOURCE



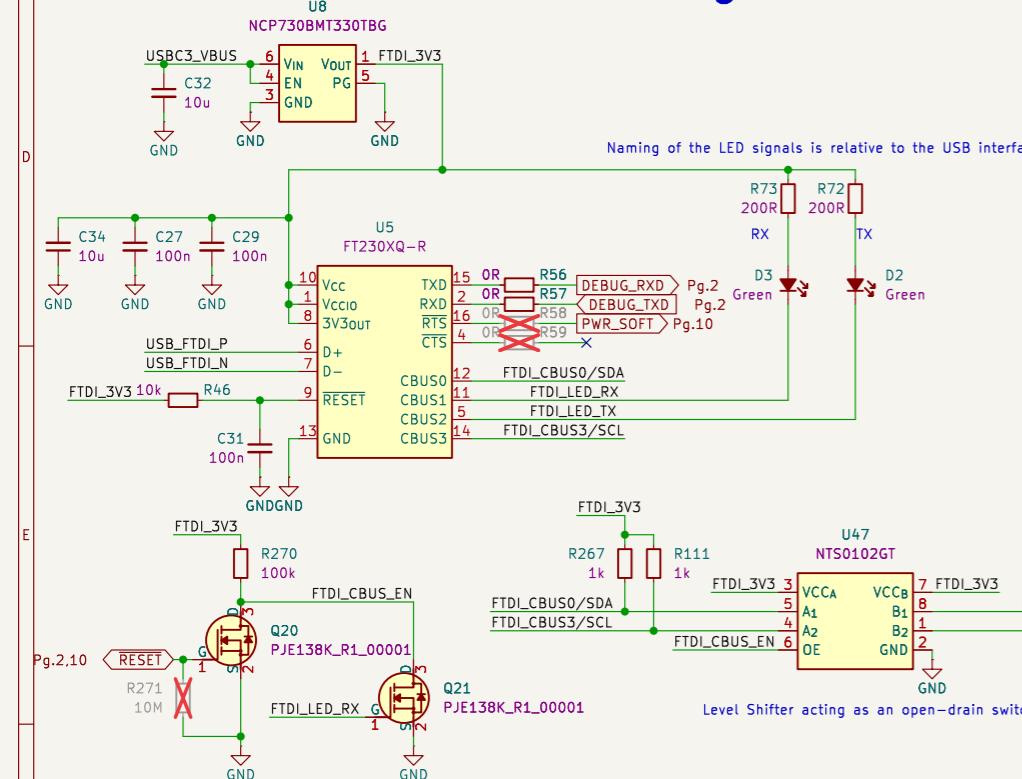
## PCIe1 1x1 key E



# USB PD Controller

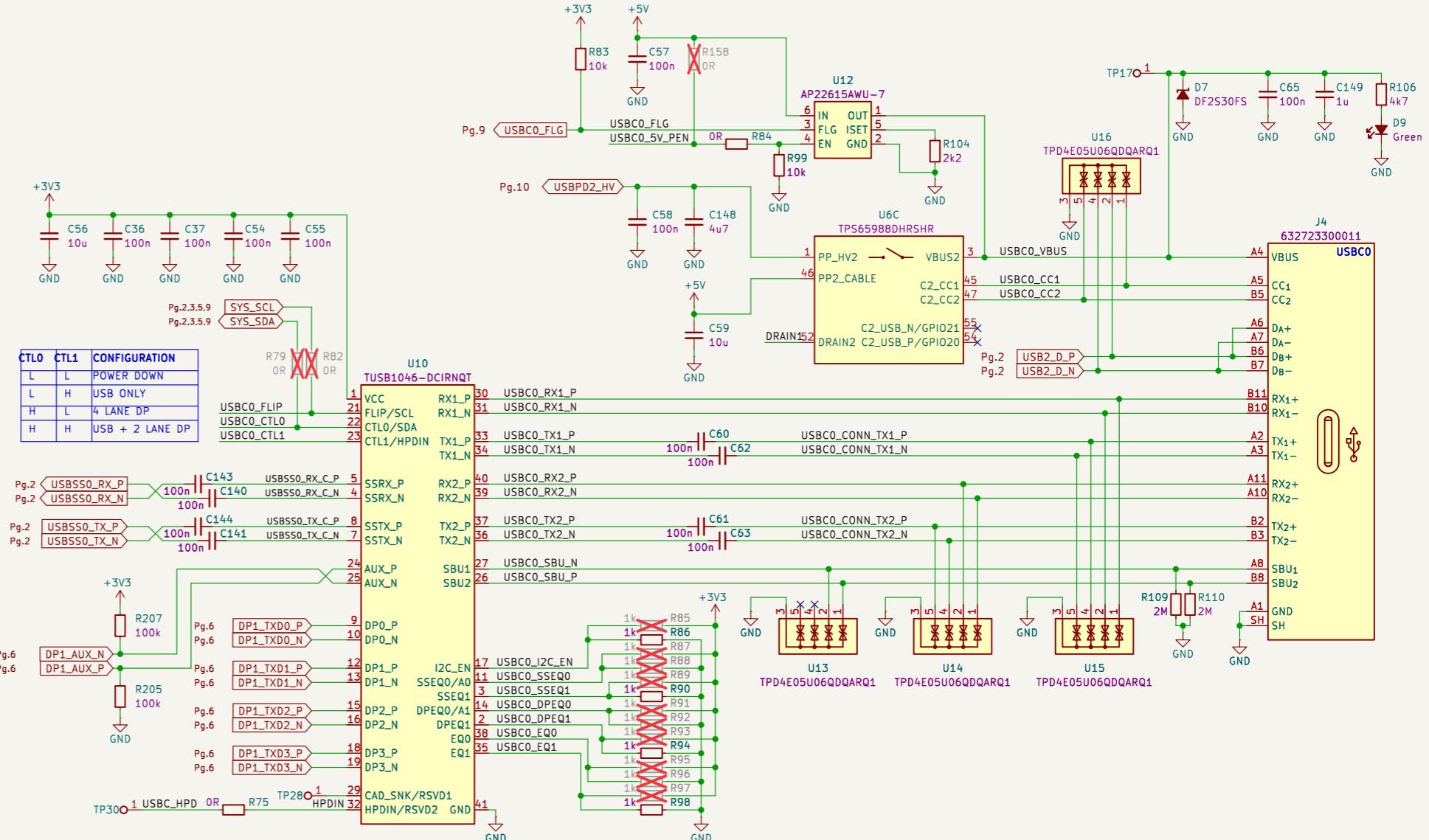


## USB-UART Bridge

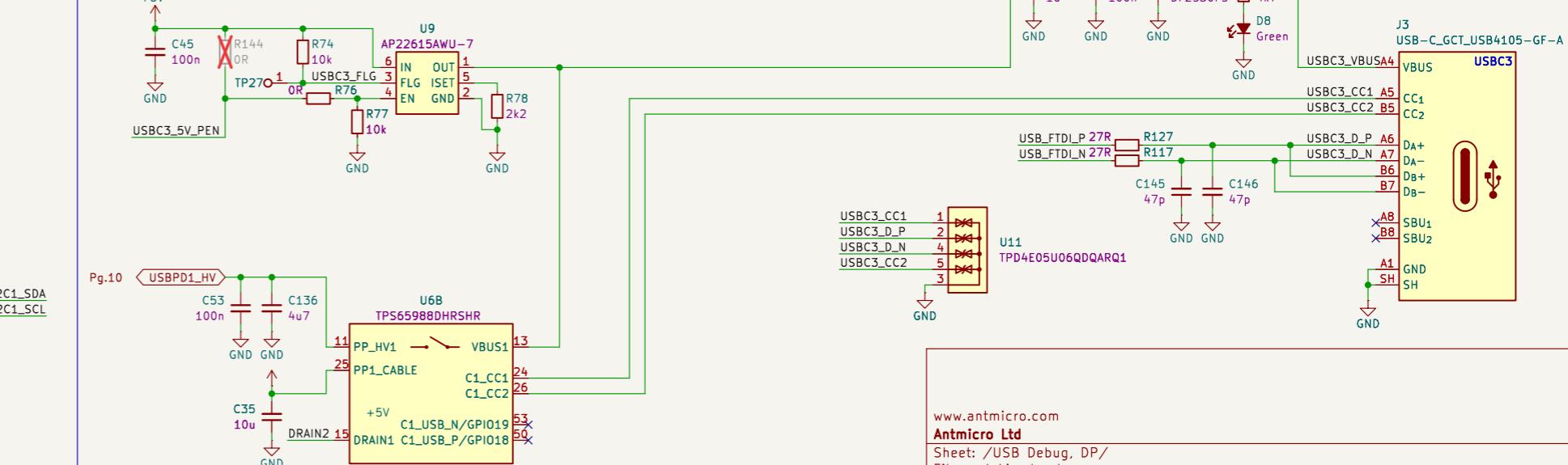


## USB-C 0 Display Port alt mode

USB-PD Source/Sink



Debug USB-C 3  
USB-PD Source/Sink



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Sheet: /USB Debug, DP/  
File: usb\_kicad.sch

File: usb.kicad\_sch

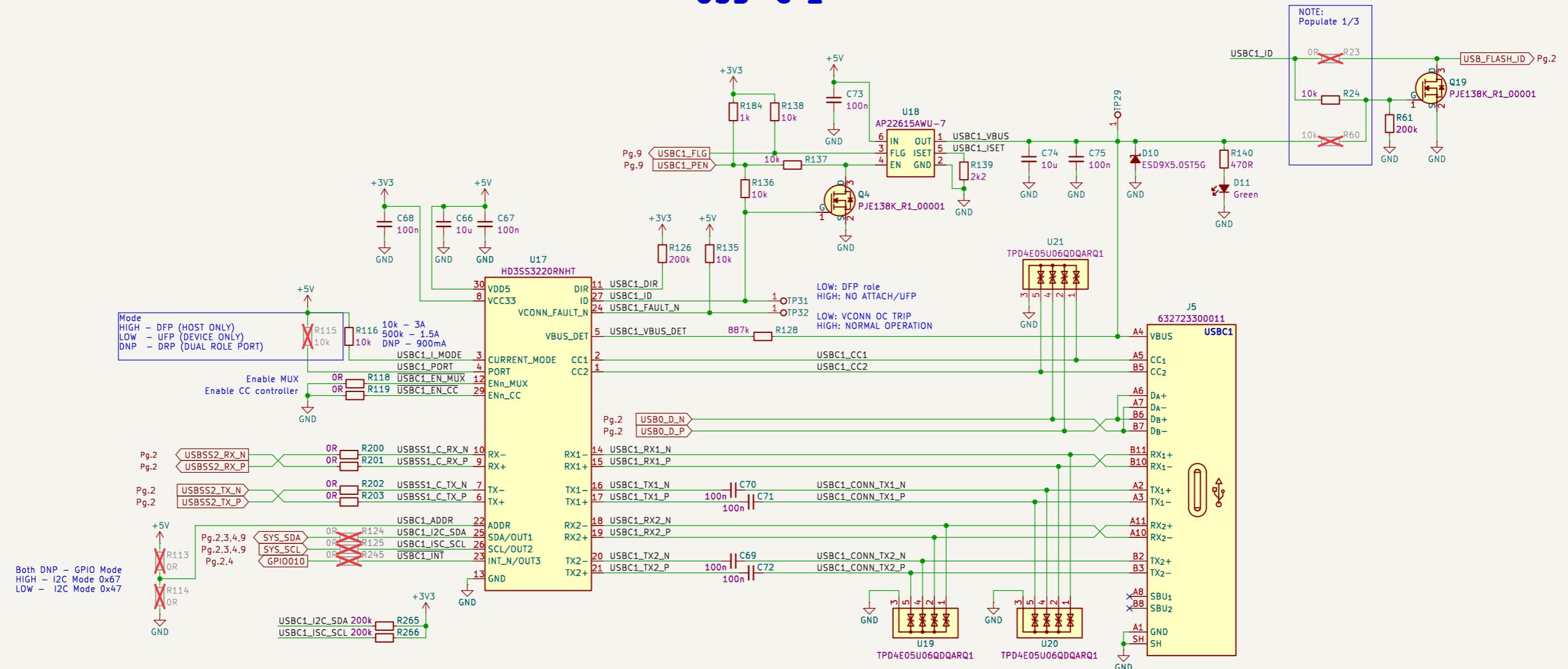
Size: A3 Date: 2024-10-1

KiCad E.D.A. kicad-cli 7.0.11

7

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# USB-C 1


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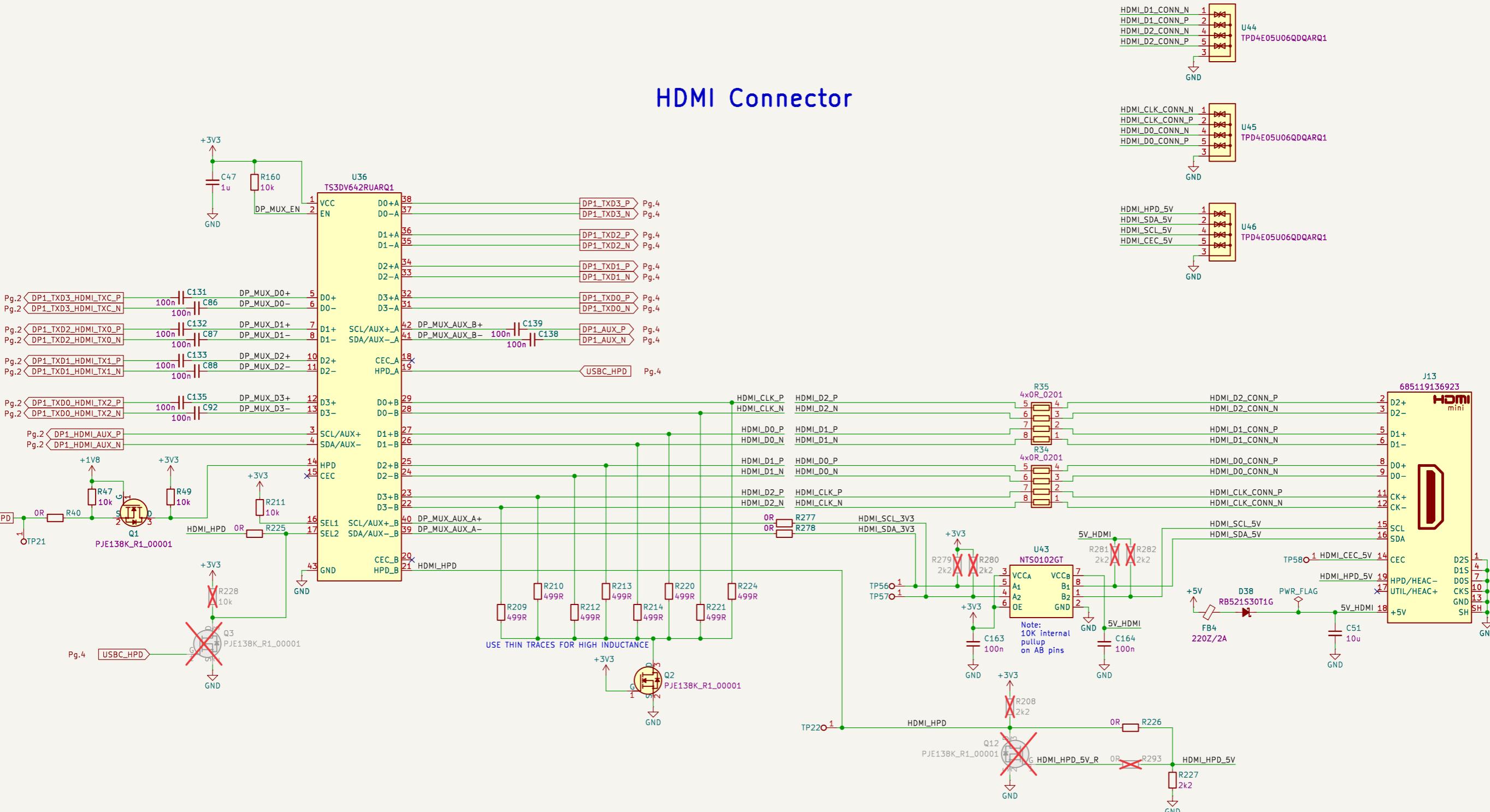
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File: usb3.kicad\_sch

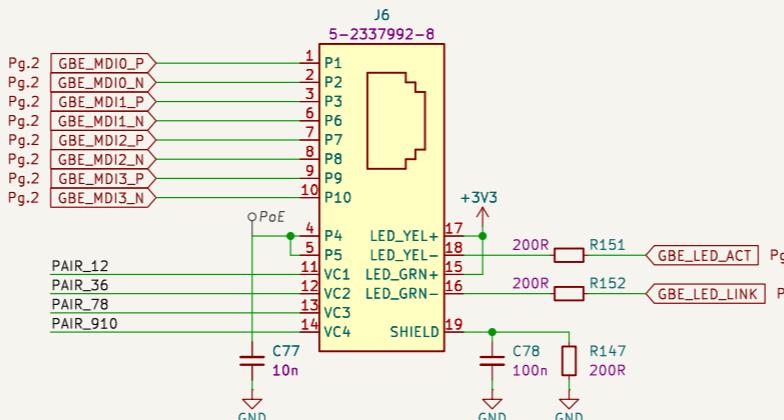
**Title: Jetson Orin Baseboard**Size: A3 Date: 2024-10-14  
KiCad E.D.A. kicad-cl 7.0.11

Rev: 1.2.0:d1f63 Id: 5/10

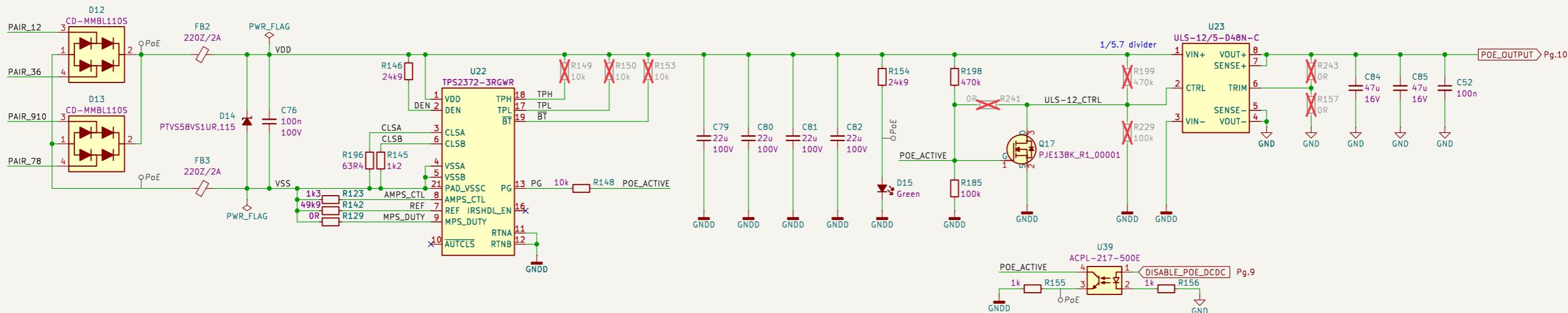
## HDMI Connector

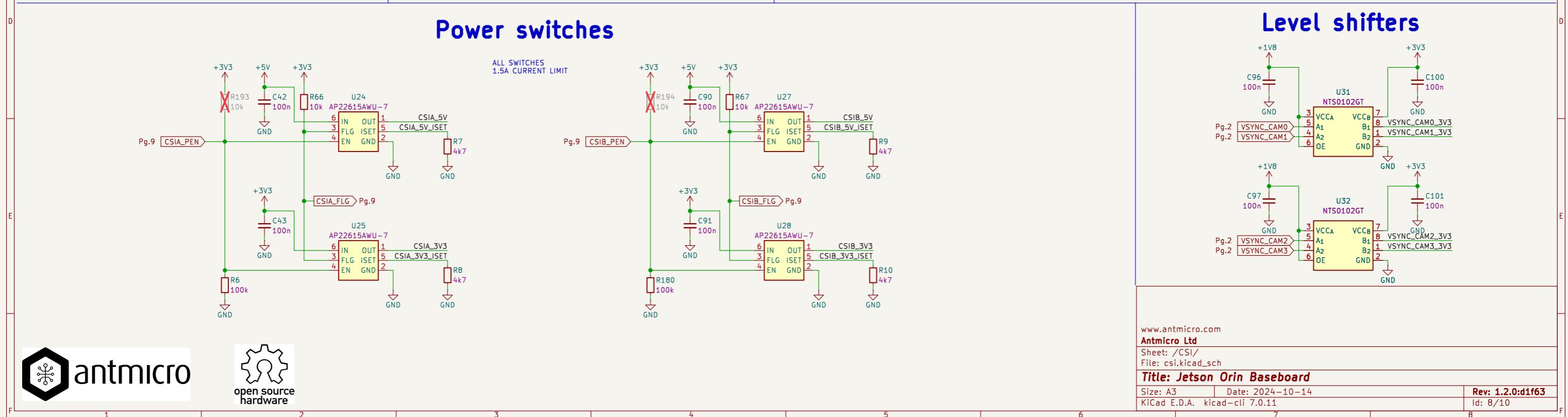
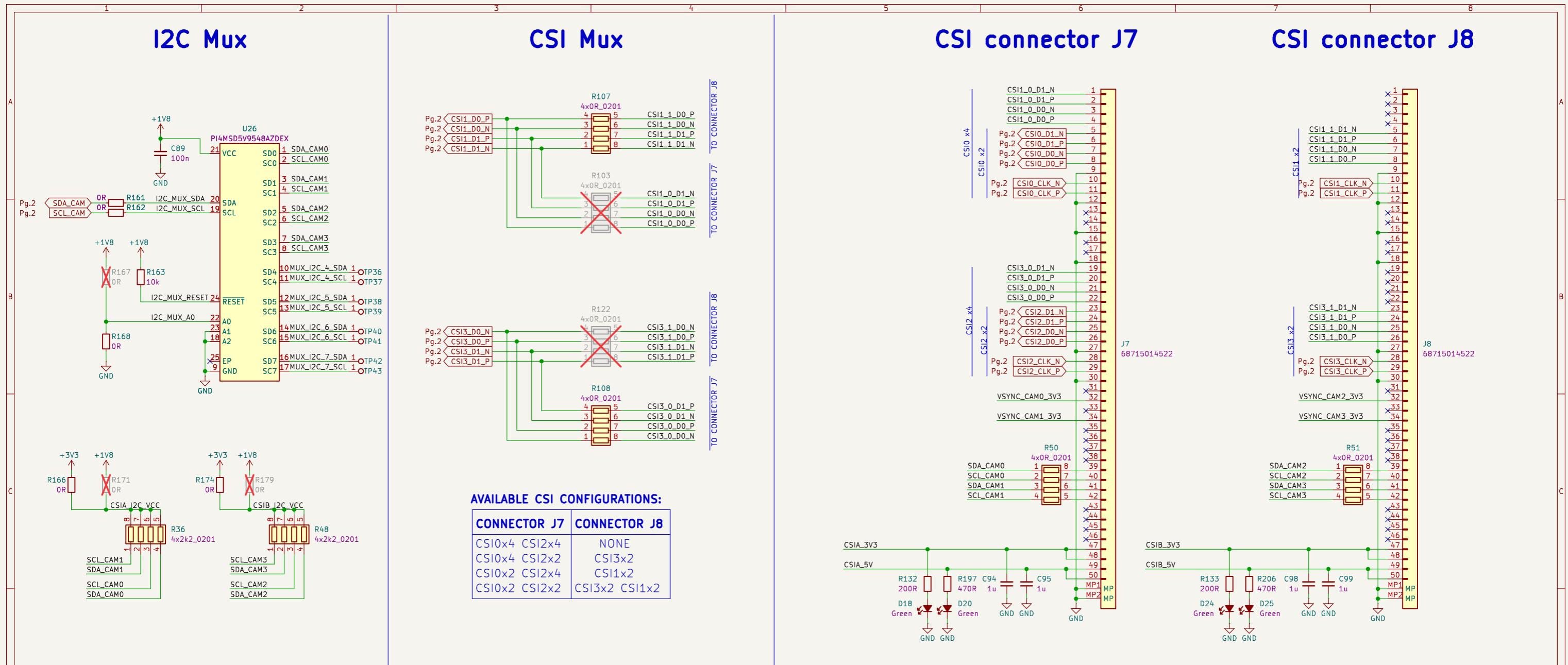


## Ethernet Connector

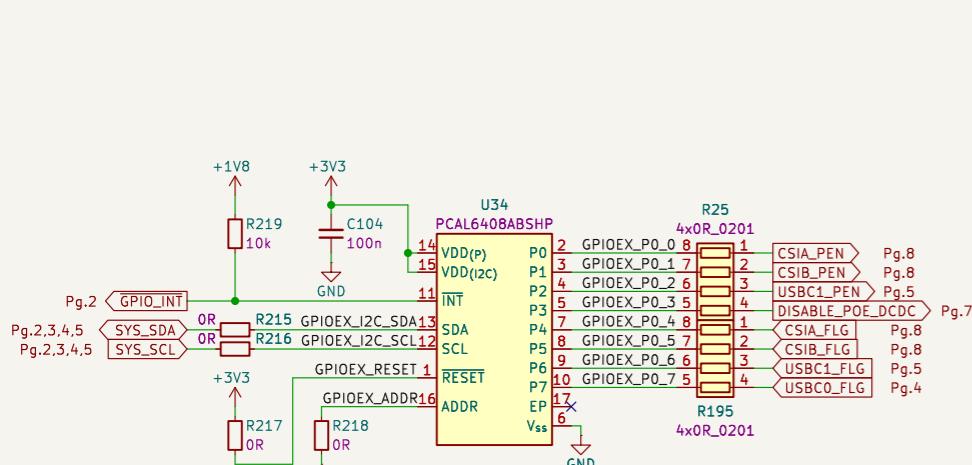


## Power over Ethernet

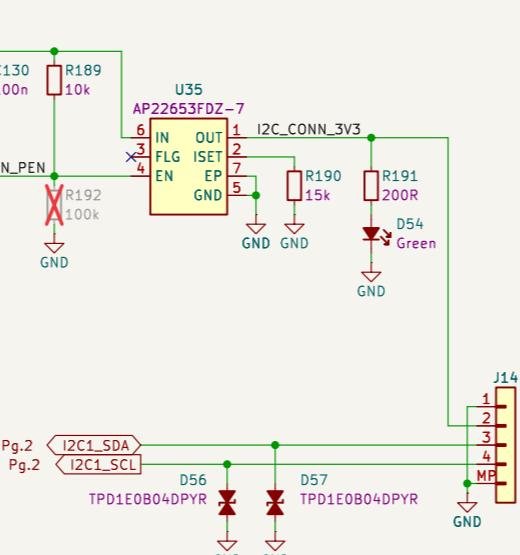




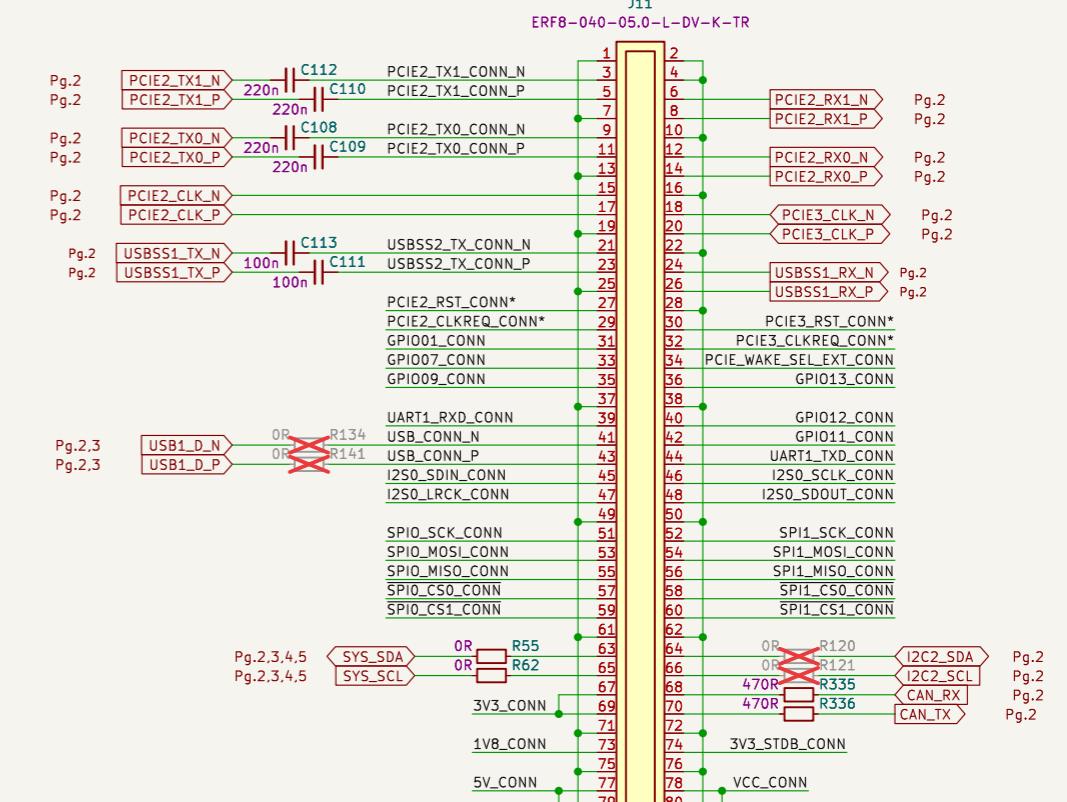
## GPIO expander



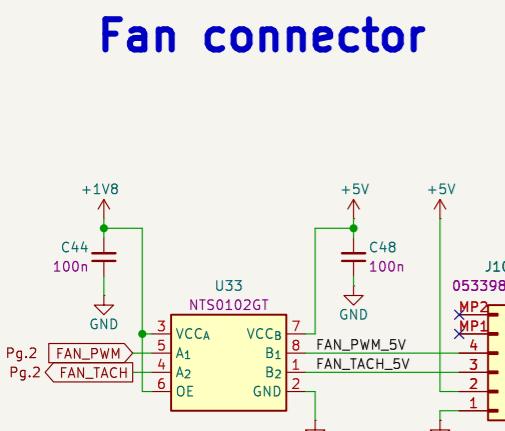
## I2C connector



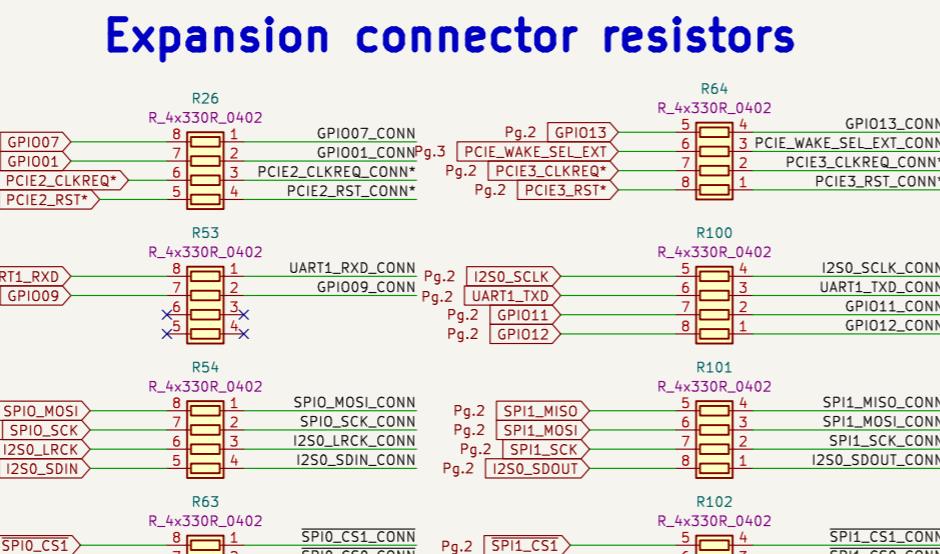
## Expansion connector



## Fan connector

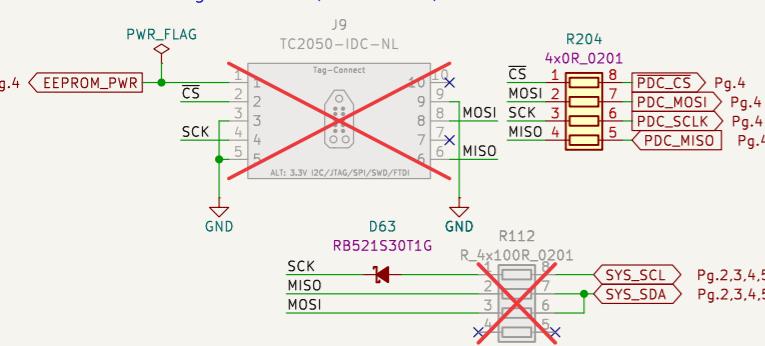


## Expansion connector resistors

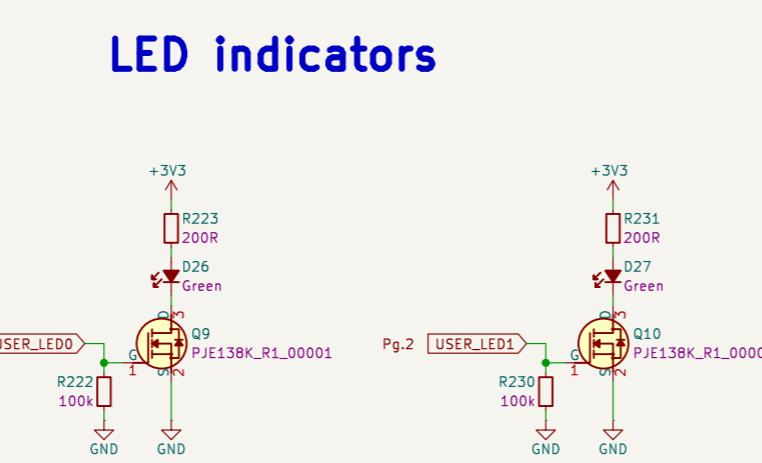


## Debug connector

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



## LED indicators



## Buttons

