

1 2 3 4 5 6 7 8

Jetson Orin Baseboard

github.com/antmicro/jetson-orin-baseboard

A

A

B

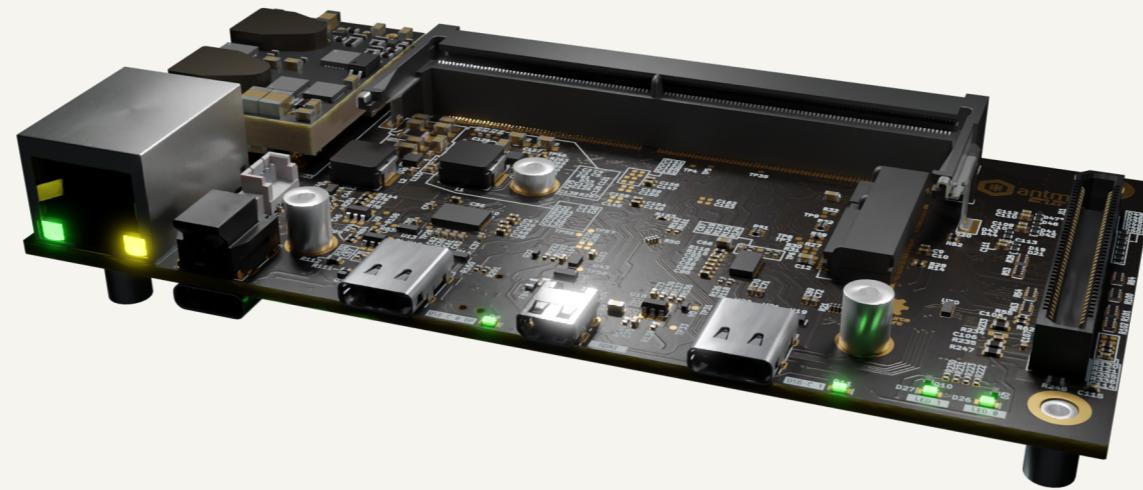
B

C

C

D

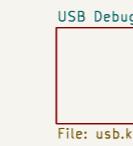
D



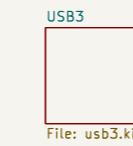
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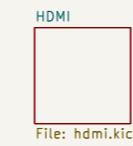
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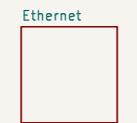
File: usb.kicad_sch



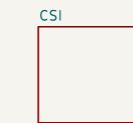
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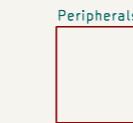
File: hdmi.kicad_sch



File: ethernet.kicad_sch



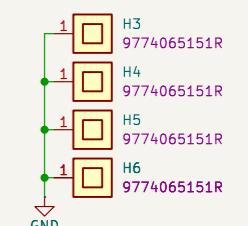
File: csi.kicad_sch



File: peripherals.kicad_sch



File: supply.kicad_sch



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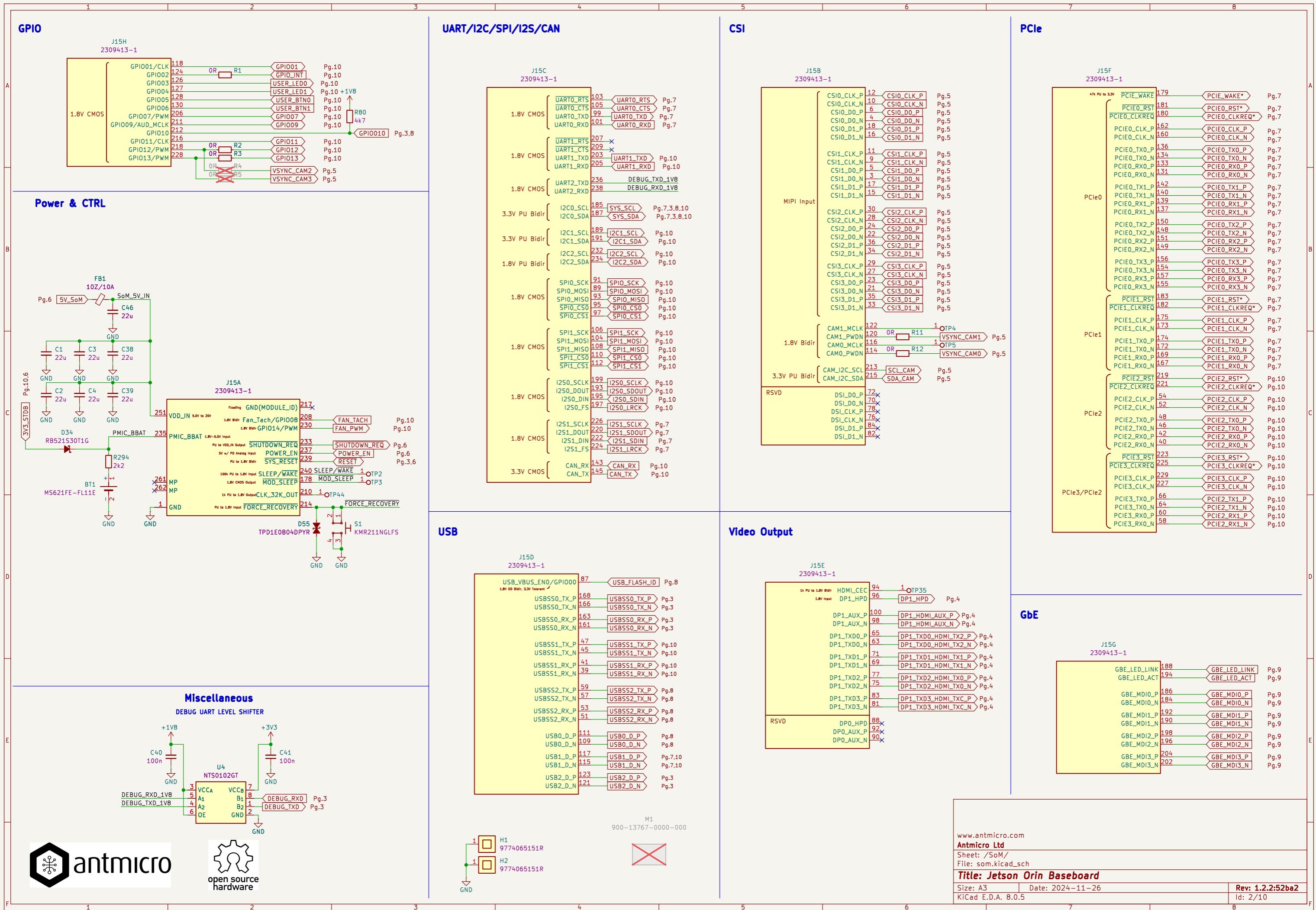
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Title: Jetson Orin Baseboard

Size: A3 Date: 2024-11-26
KiCad E.D.A. 8.0.5

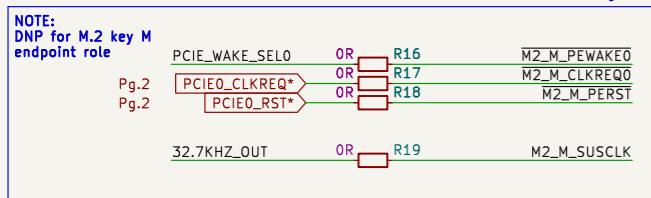
Rev: 1.2.2:52ba2
Id: 1/10

1 2 3 4 5 6 7 8 F

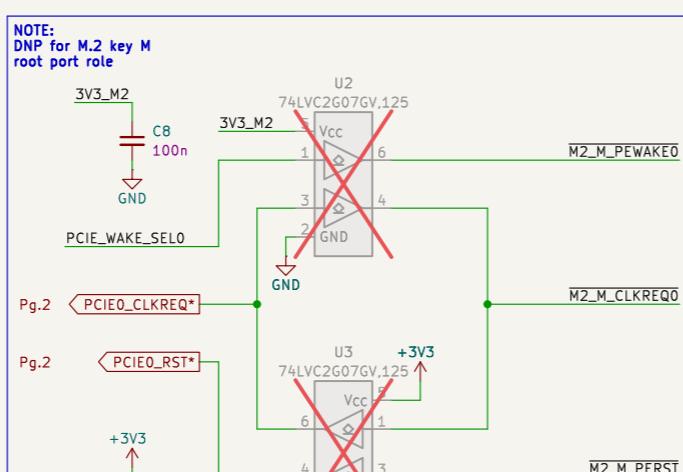
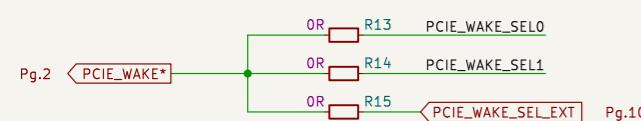


open source
hardware

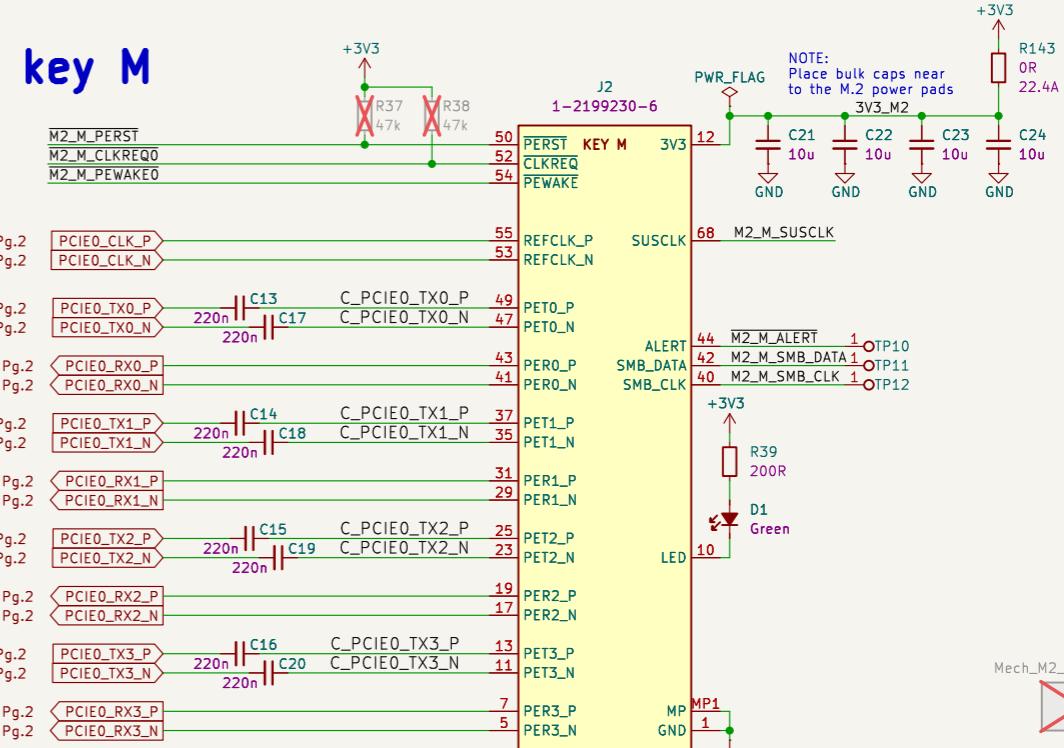
PCIe0 Root Port / Endpoint mode selector



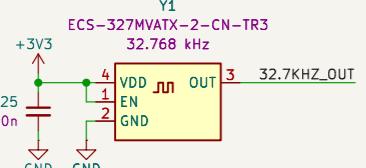
M.2 PCIE_WAKE selector



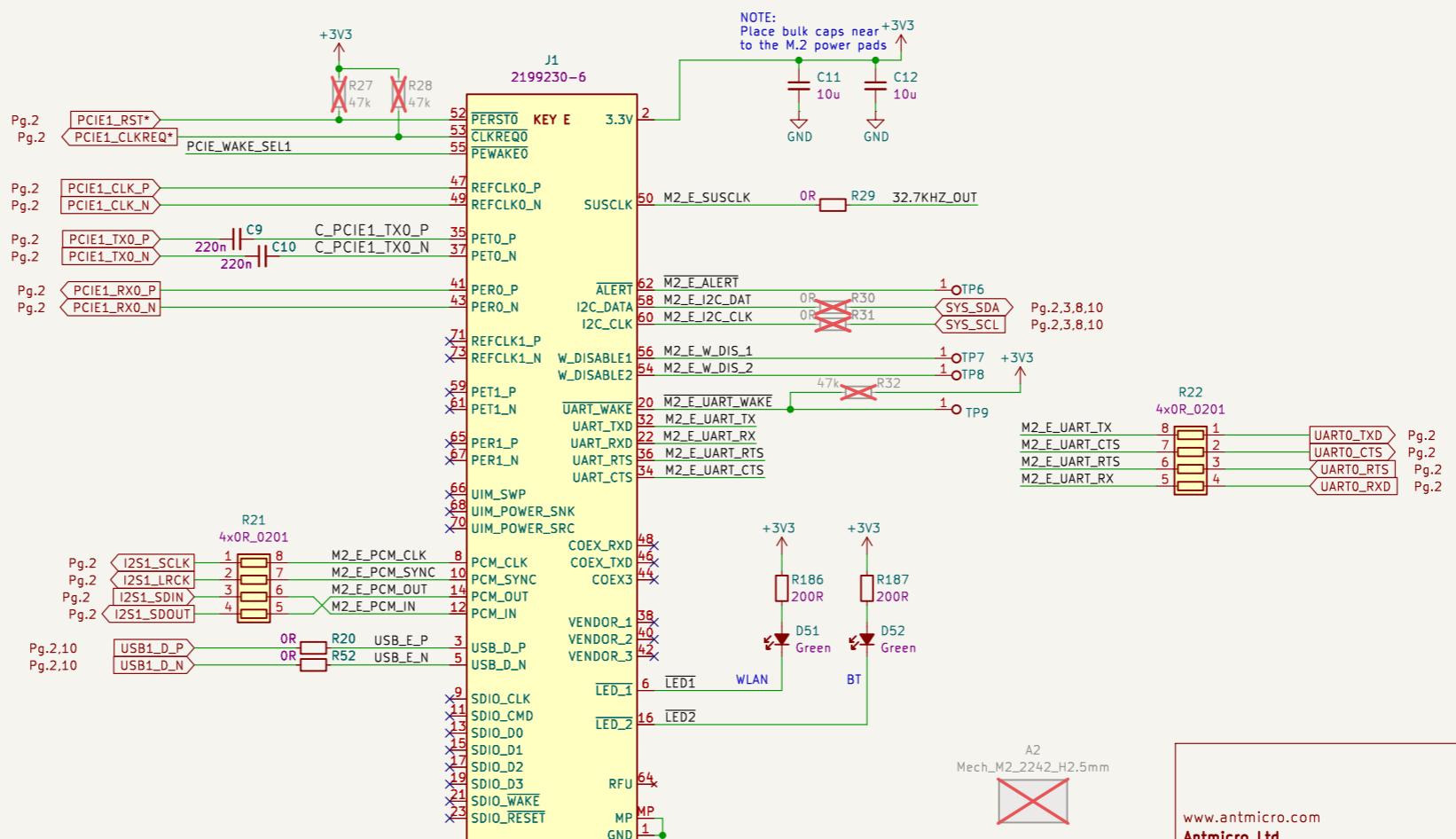
PCIe0 1x4 key M



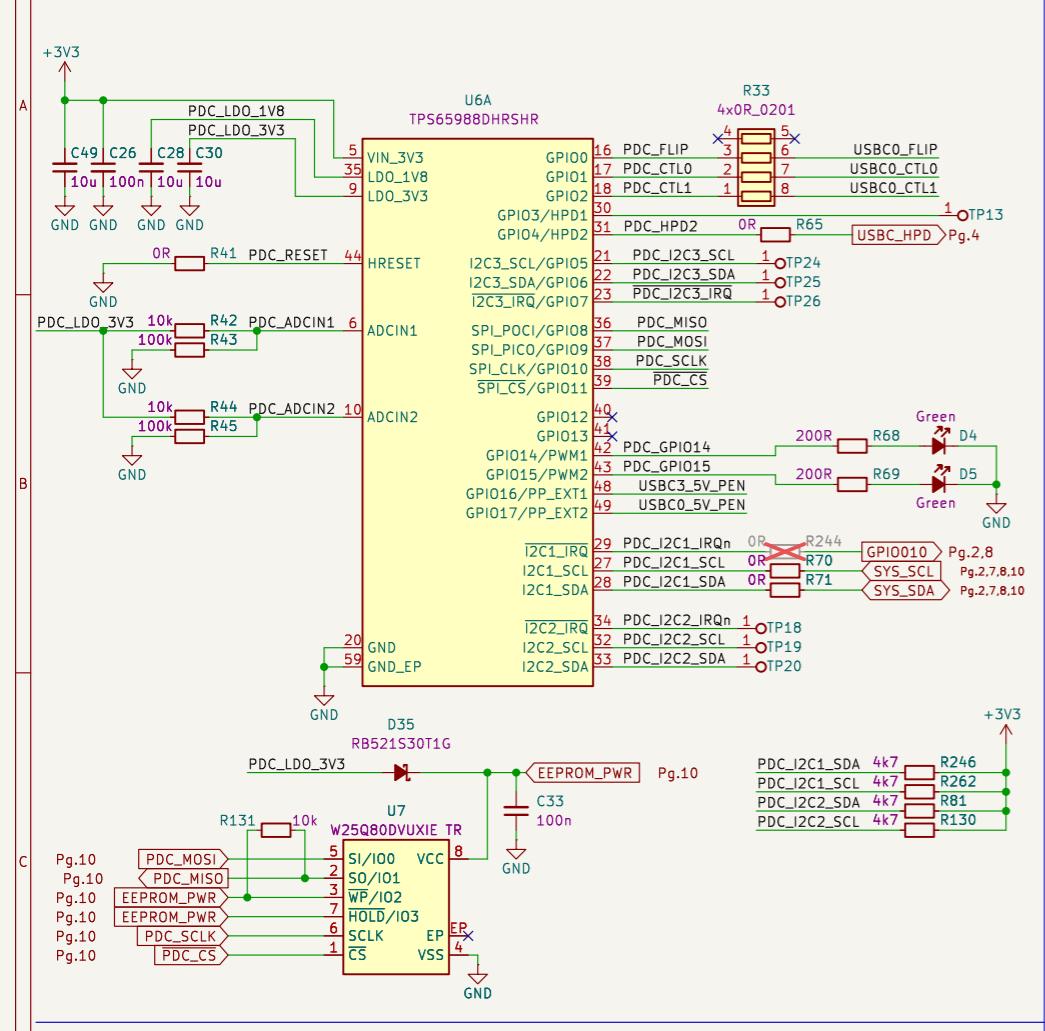
SUSCLK SOURCE



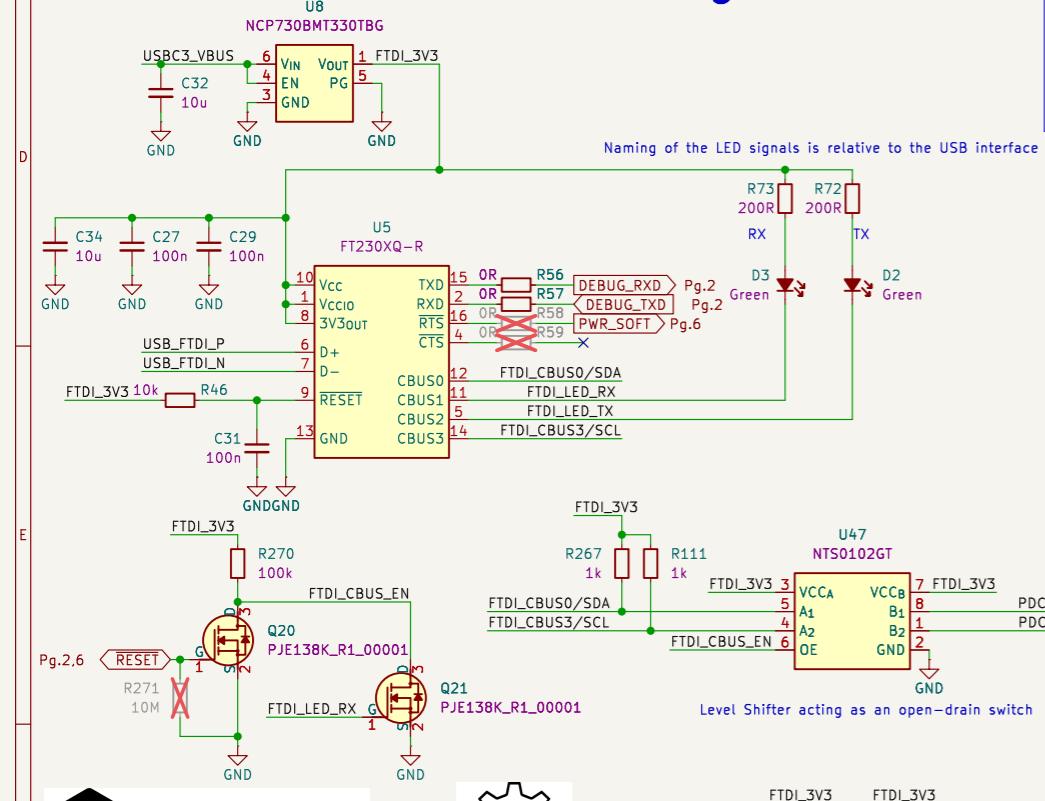
PCIe1 1x1 key E



USB PD Controller

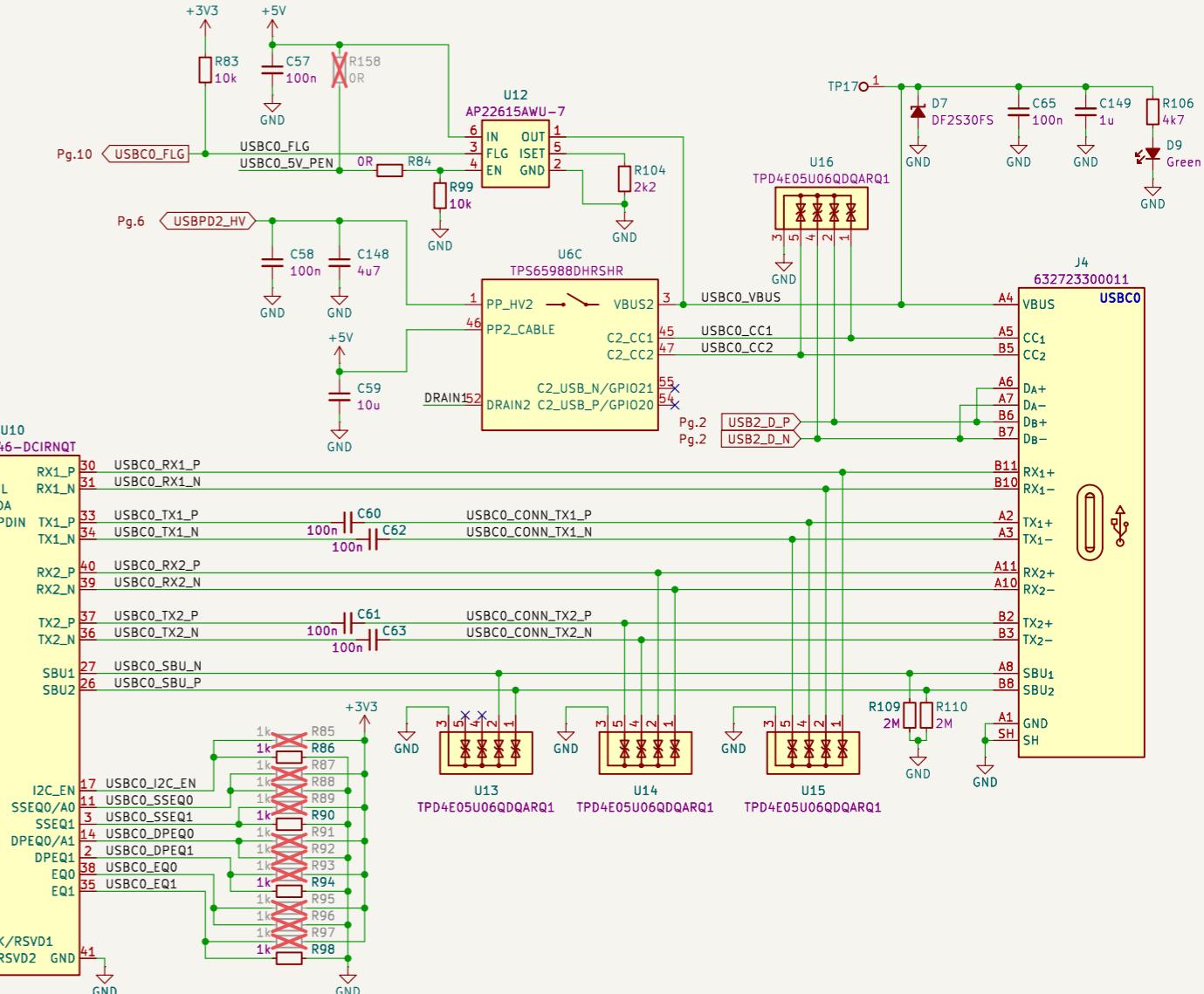


USB-UART Bridge



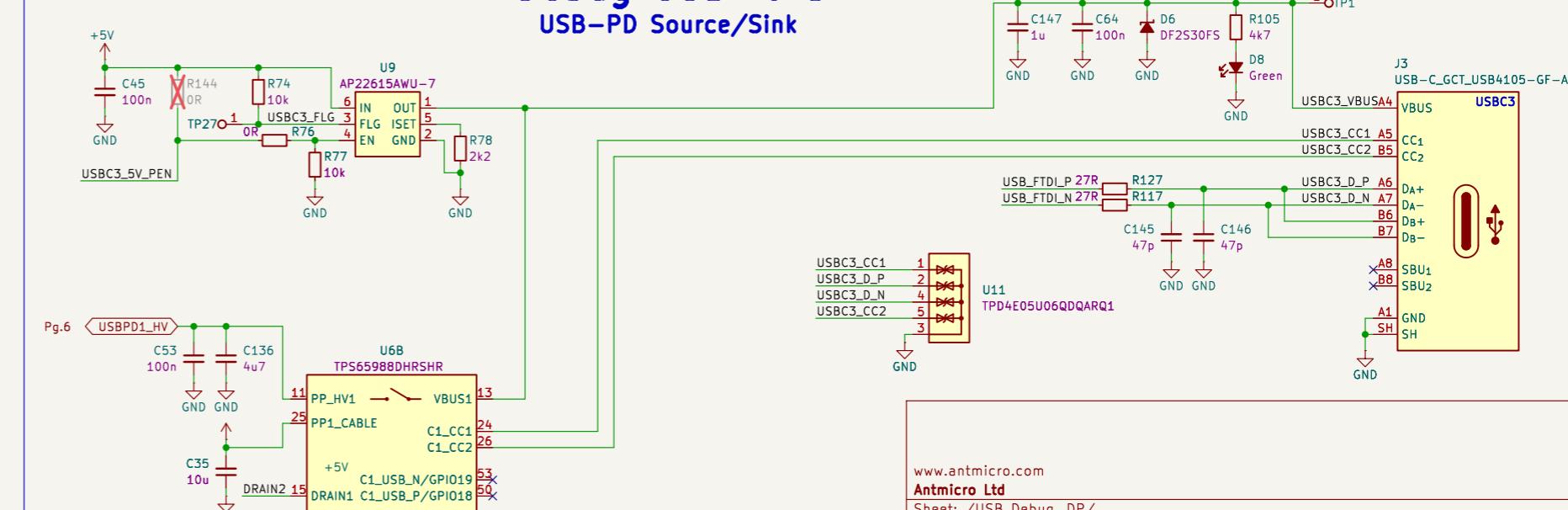
USB-C 0 Display Port alt mode

USB-PD Source/Sink



Debug USB-C 3

USB-PD Source/Sink



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Sheet: /USB Debug, DP/

File: usb.kicad_sch

Title: Jetson Orin Baseboard

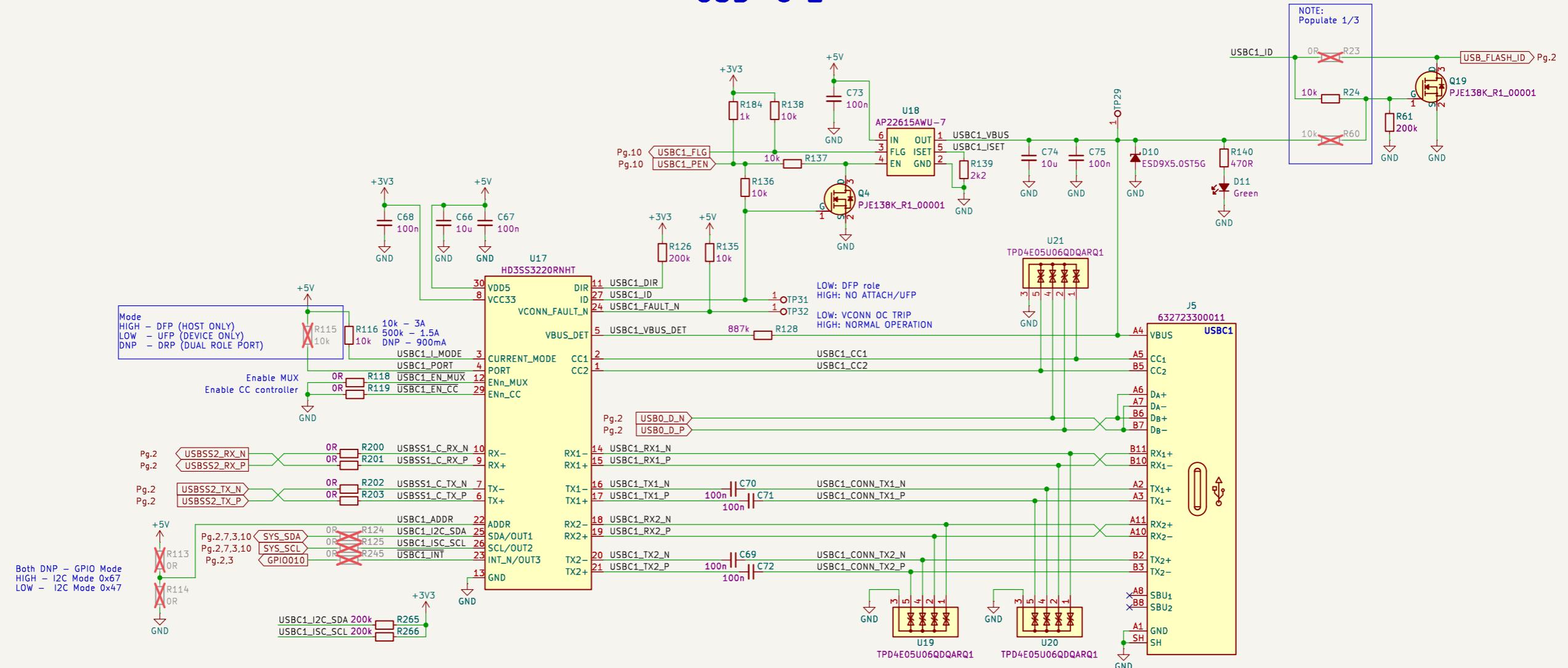
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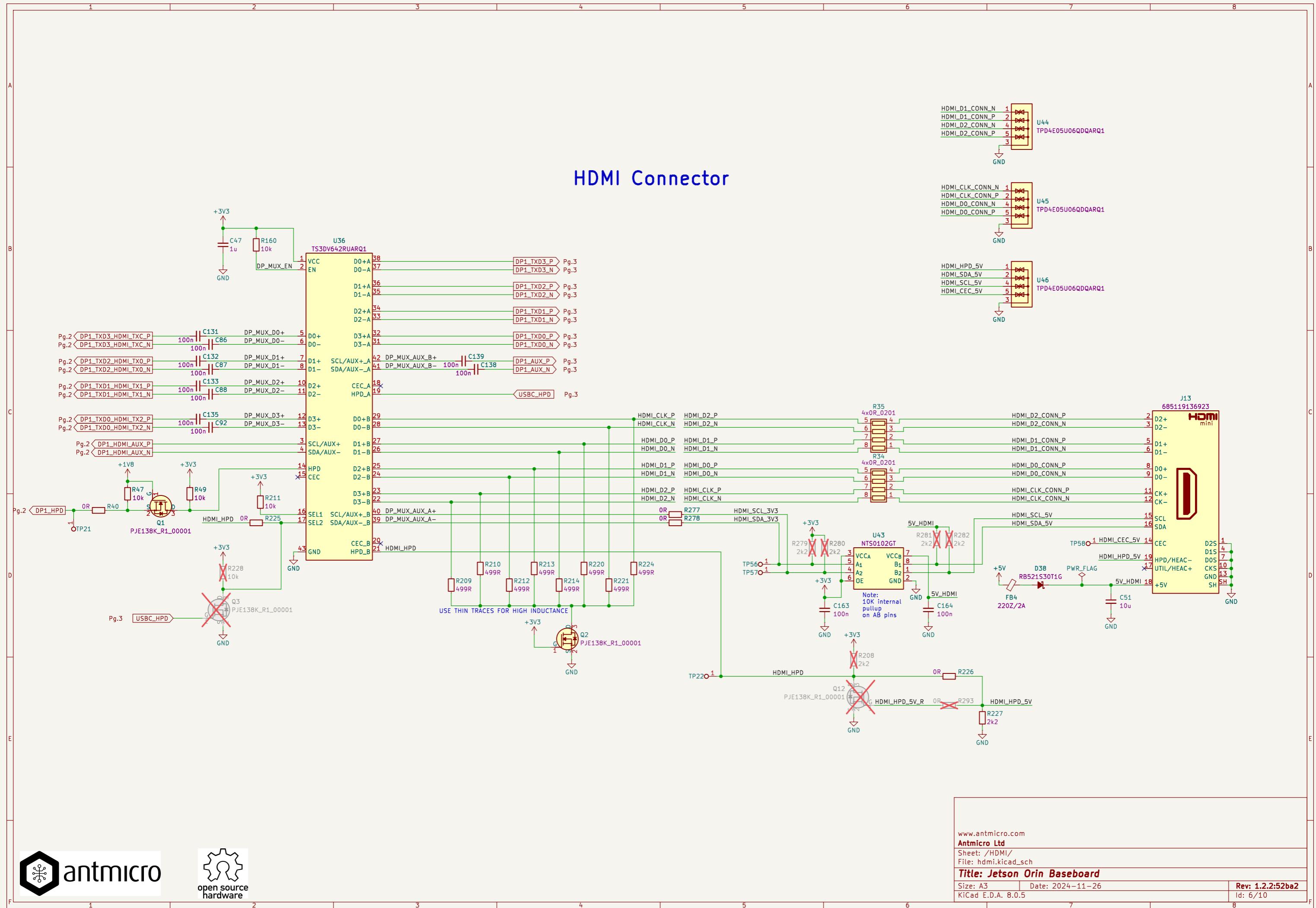
KiCad E.D.A. 8.0.5

Rev: 1.2.2:52ba2

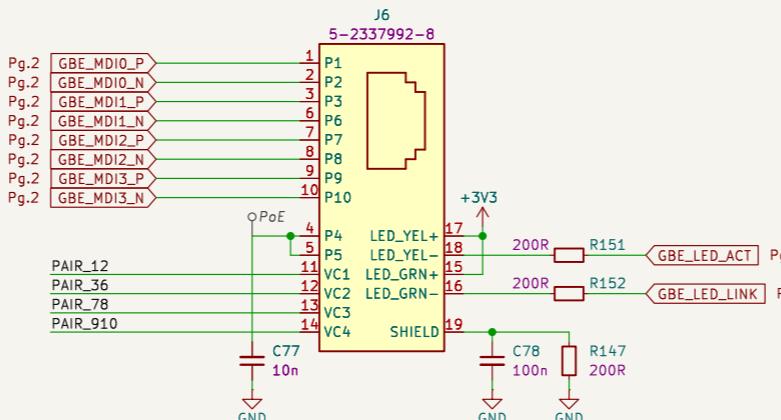
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USB-C 1

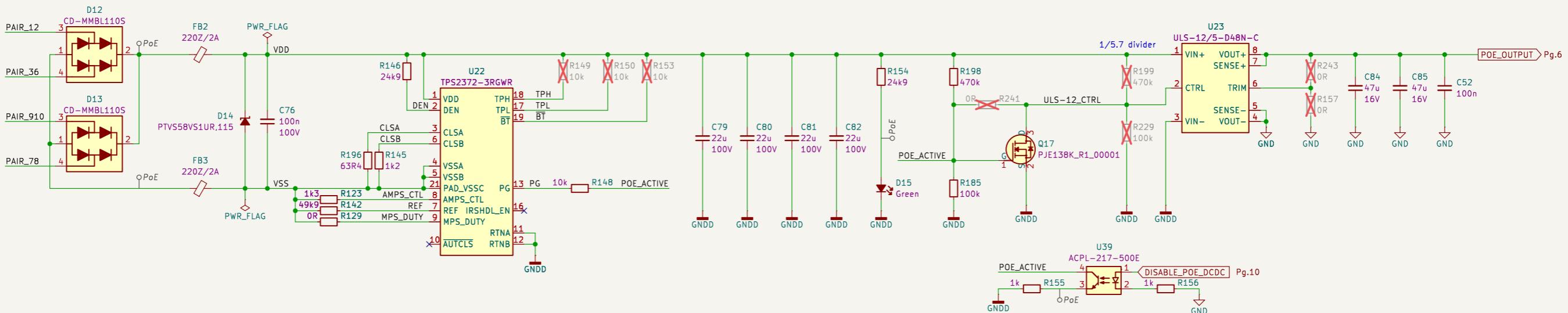


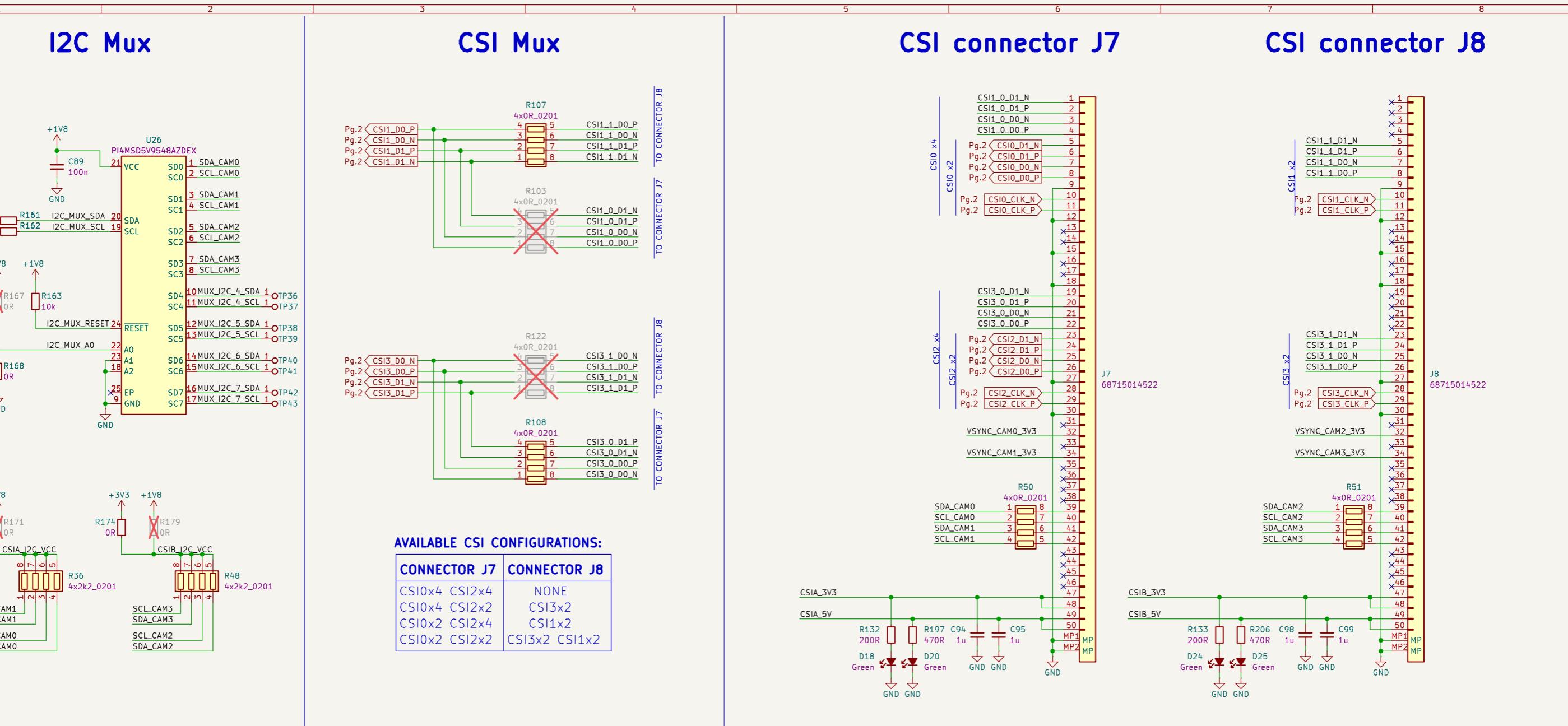


Ethernet Connector



Power over Ethernet





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Sheet: /CSI/

File: csi.kicad_sch

Title: Jetson Orin Baseboard

Size: A3 Date: 2024-11-26

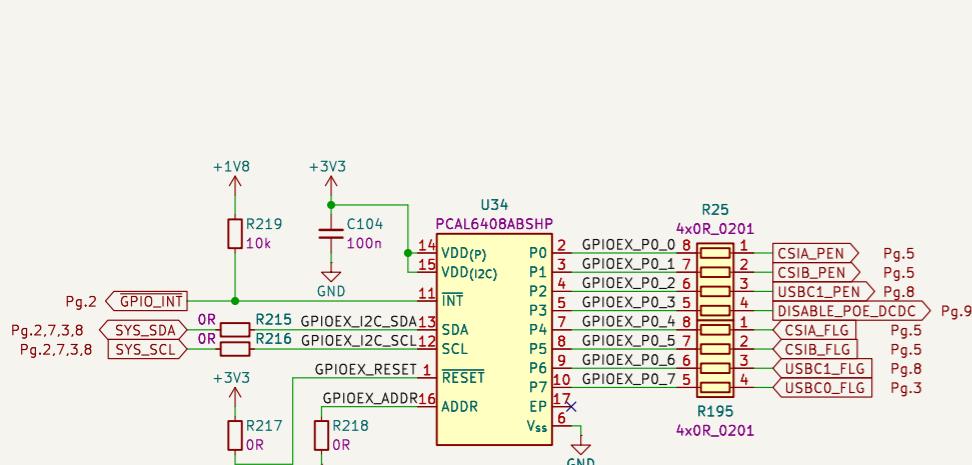
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Rev: 1.2.2:52ba2

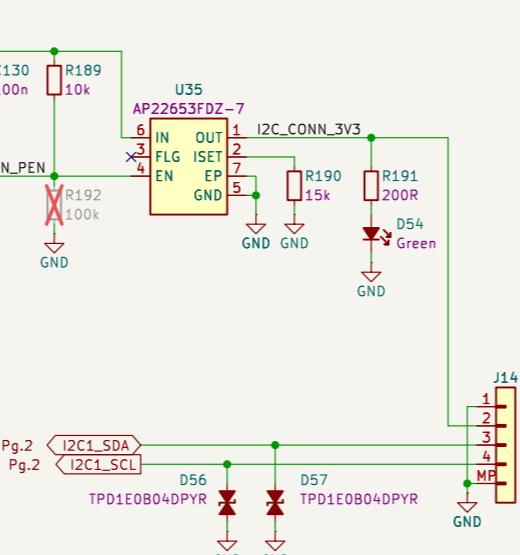
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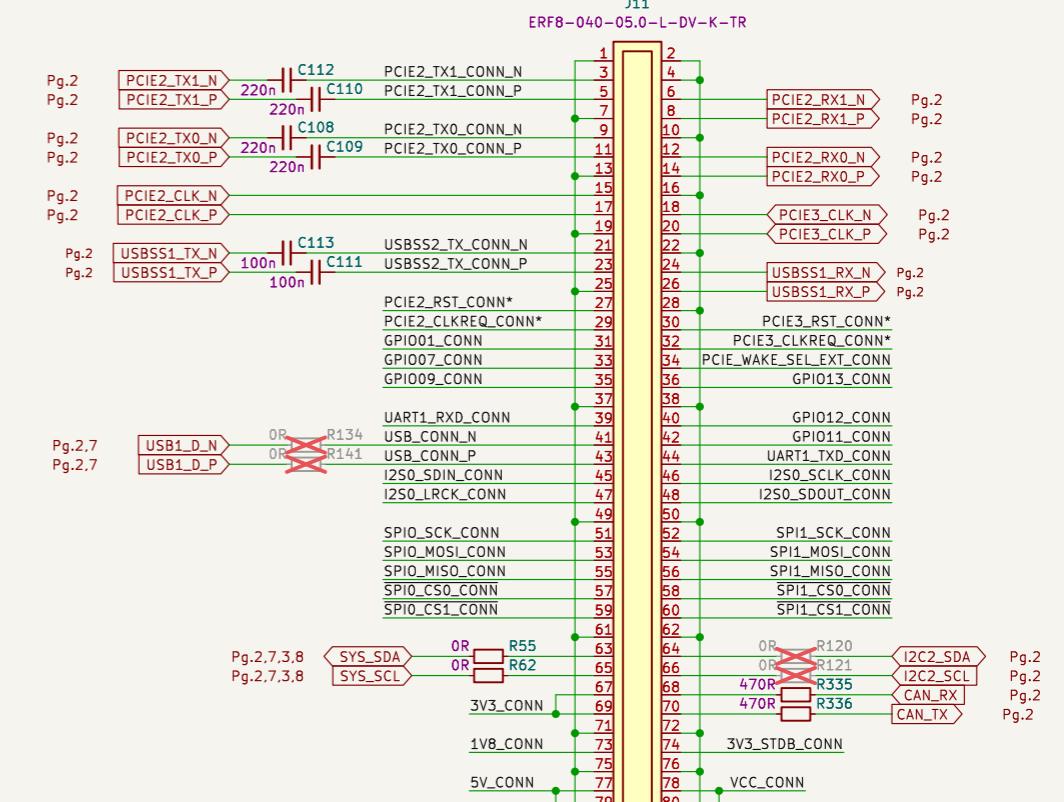
GPIO expander



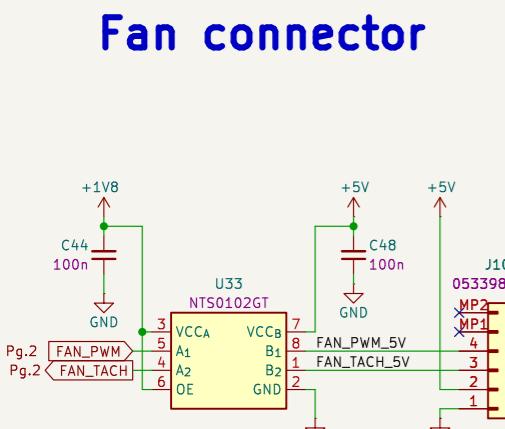
I2C connector



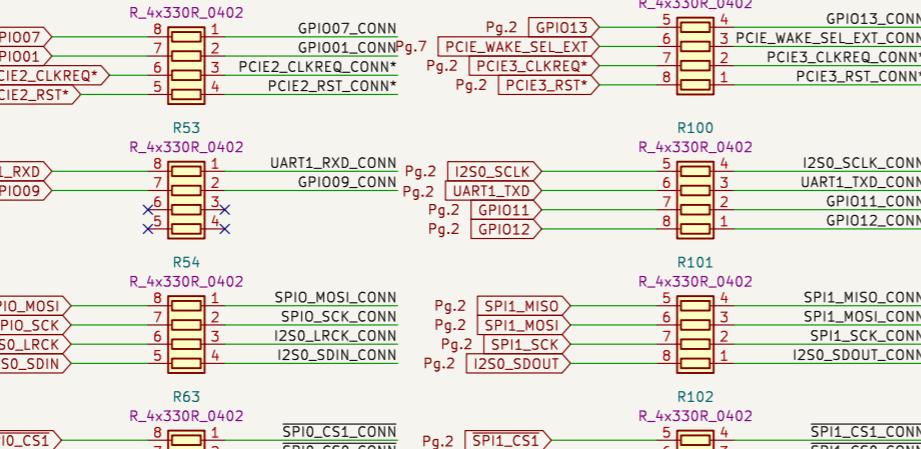
Expansion connector



Fan connector

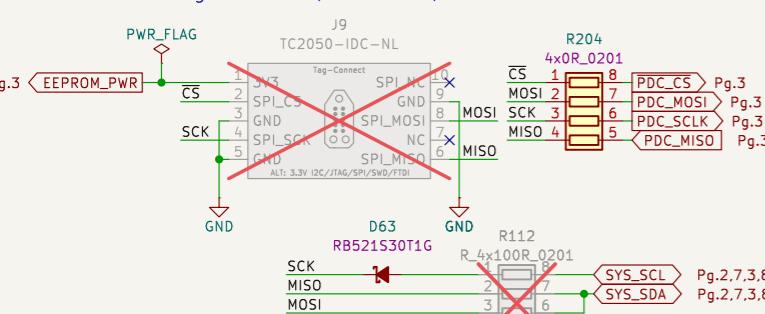


Expansion connector resistors

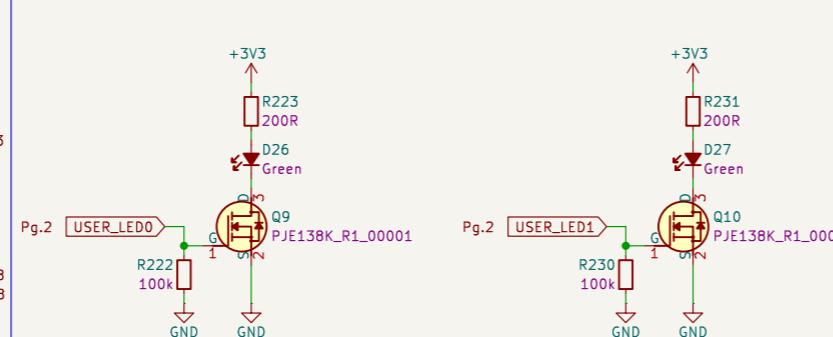


Debug connector

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



LED indicators



Buttons

