

1 2 3 4 5 6 7 8

Jetson Orin Baseboard

github.com/antmicro/jetson-orin-baseboard

A

B

C

D

E

F

A

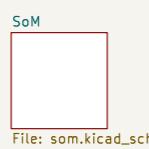
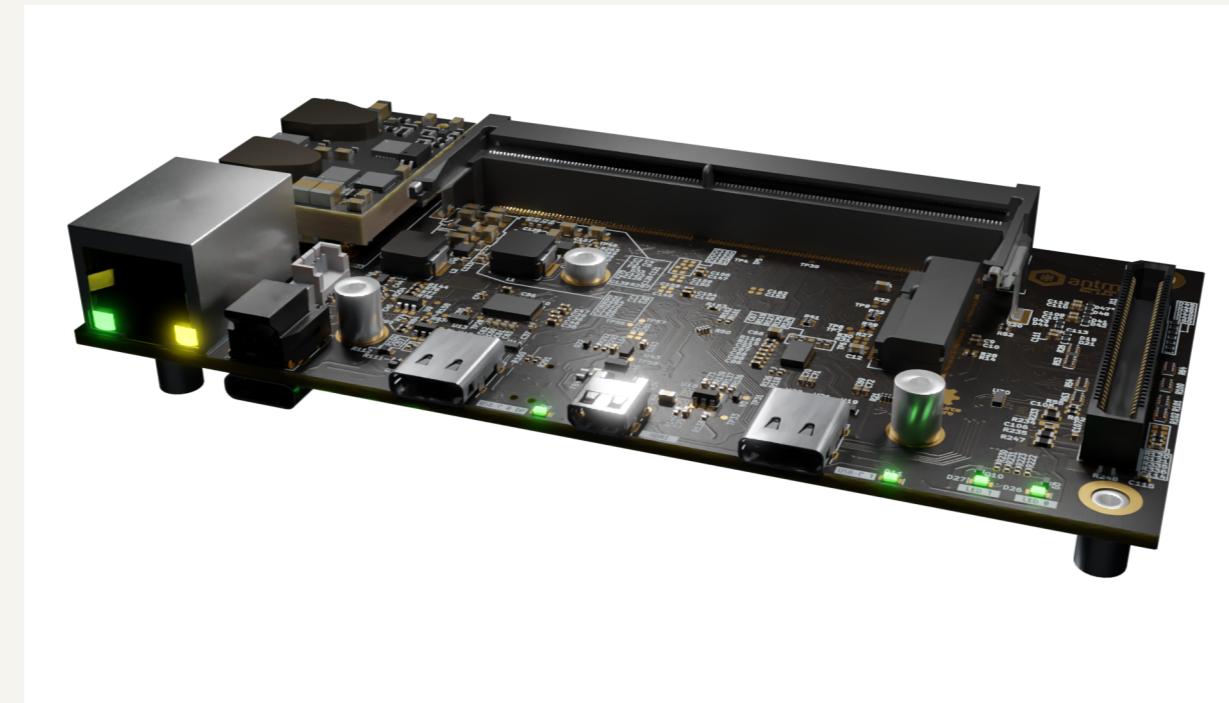
B

C

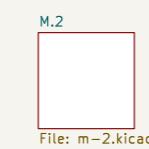
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E

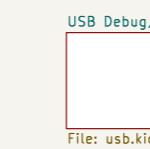
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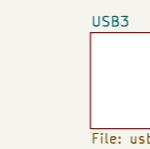
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File: m_2.kicad_sch



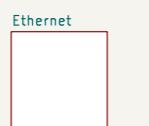
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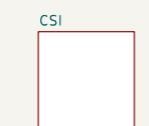
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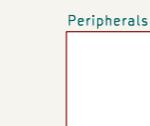
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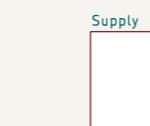
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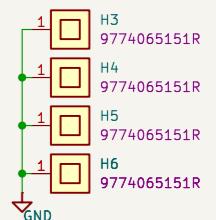
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File: peripherals.kicad_sch



File: supply.kicad_sch



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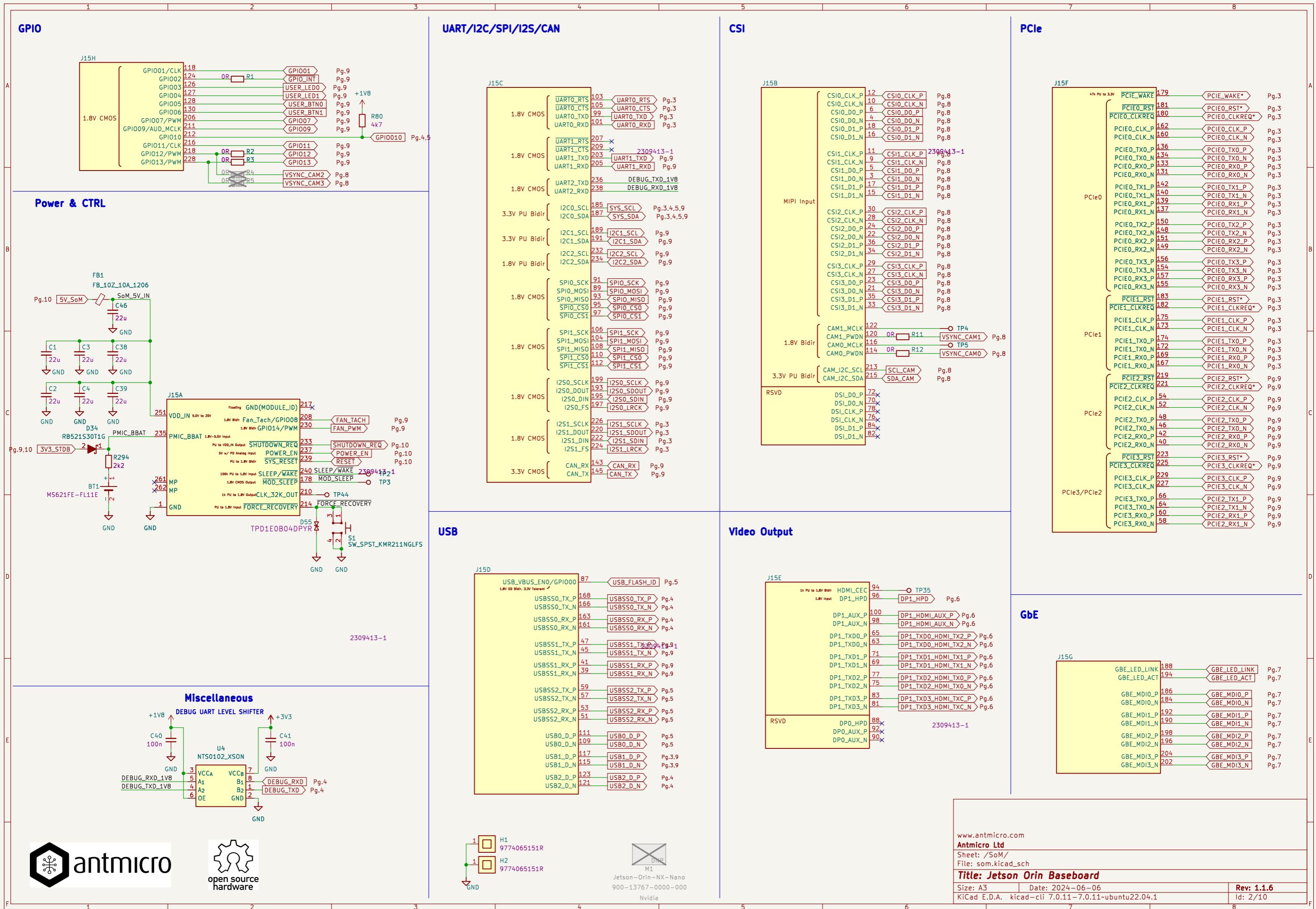
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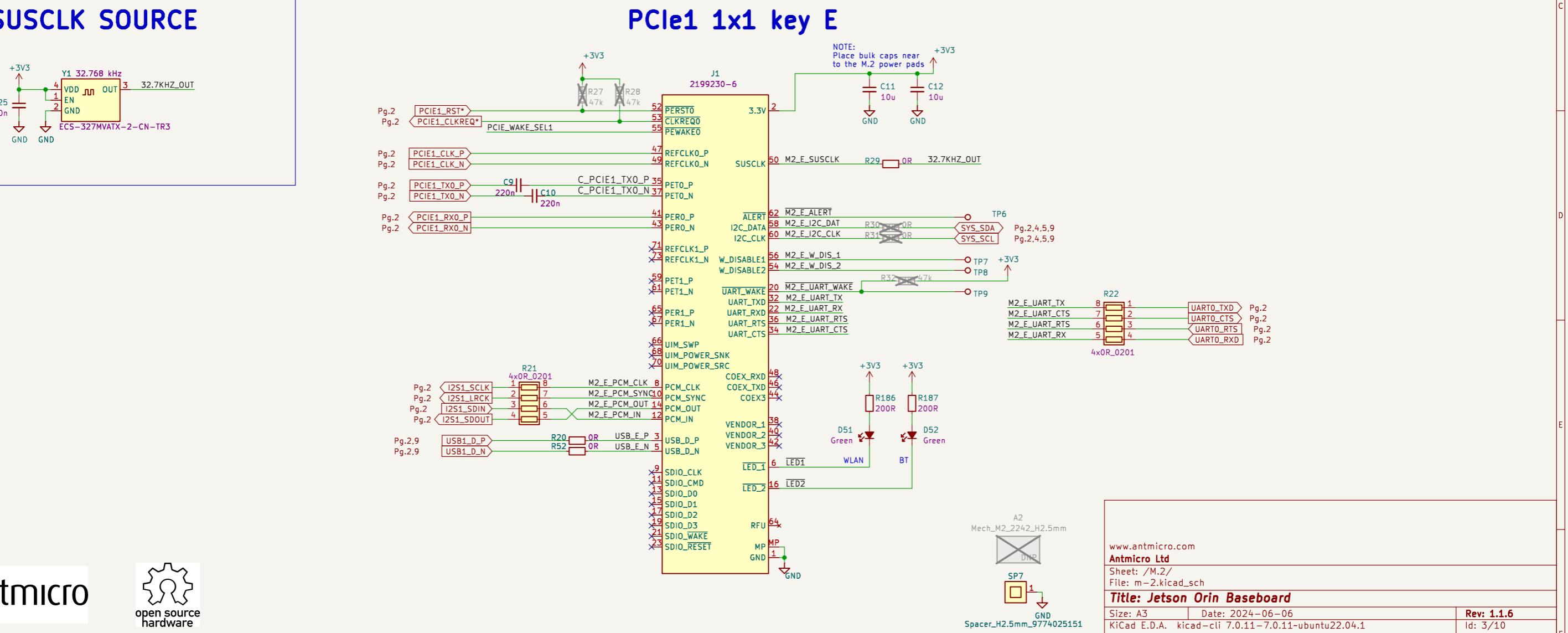
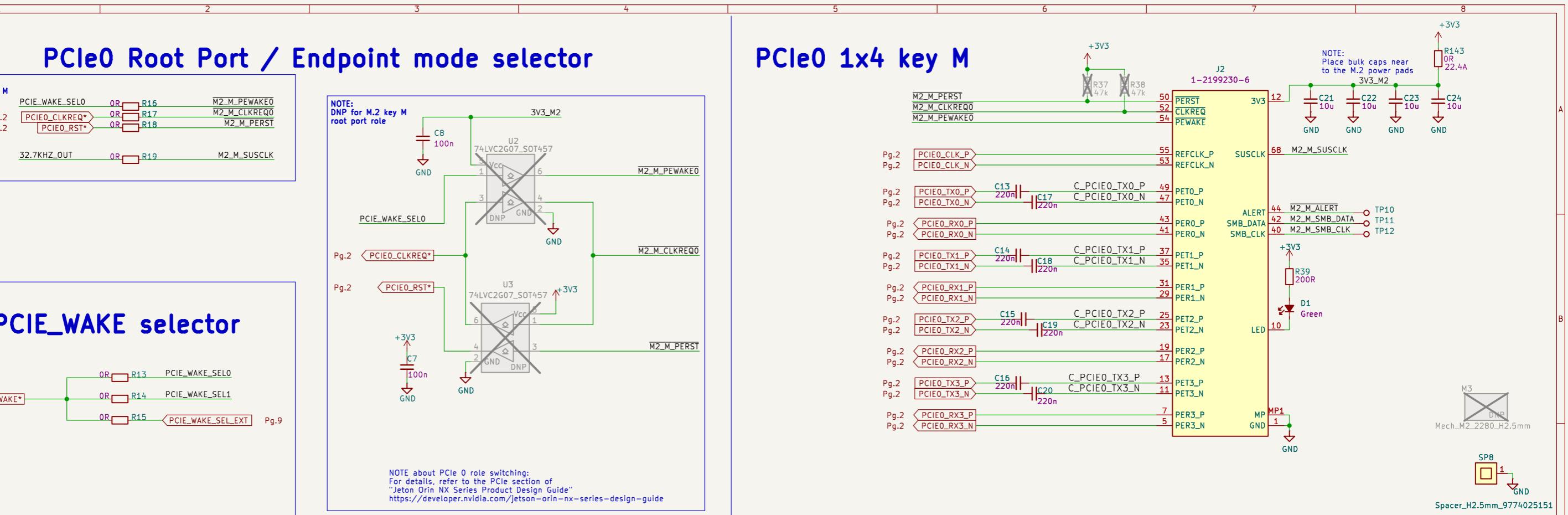
Title: Jetson Orin Baseboard

Size: A3 Date: 2024-06-06
KiCad E.D.A. kicad-cli 7.0.11-7.0.11-ubuntu22.04.1

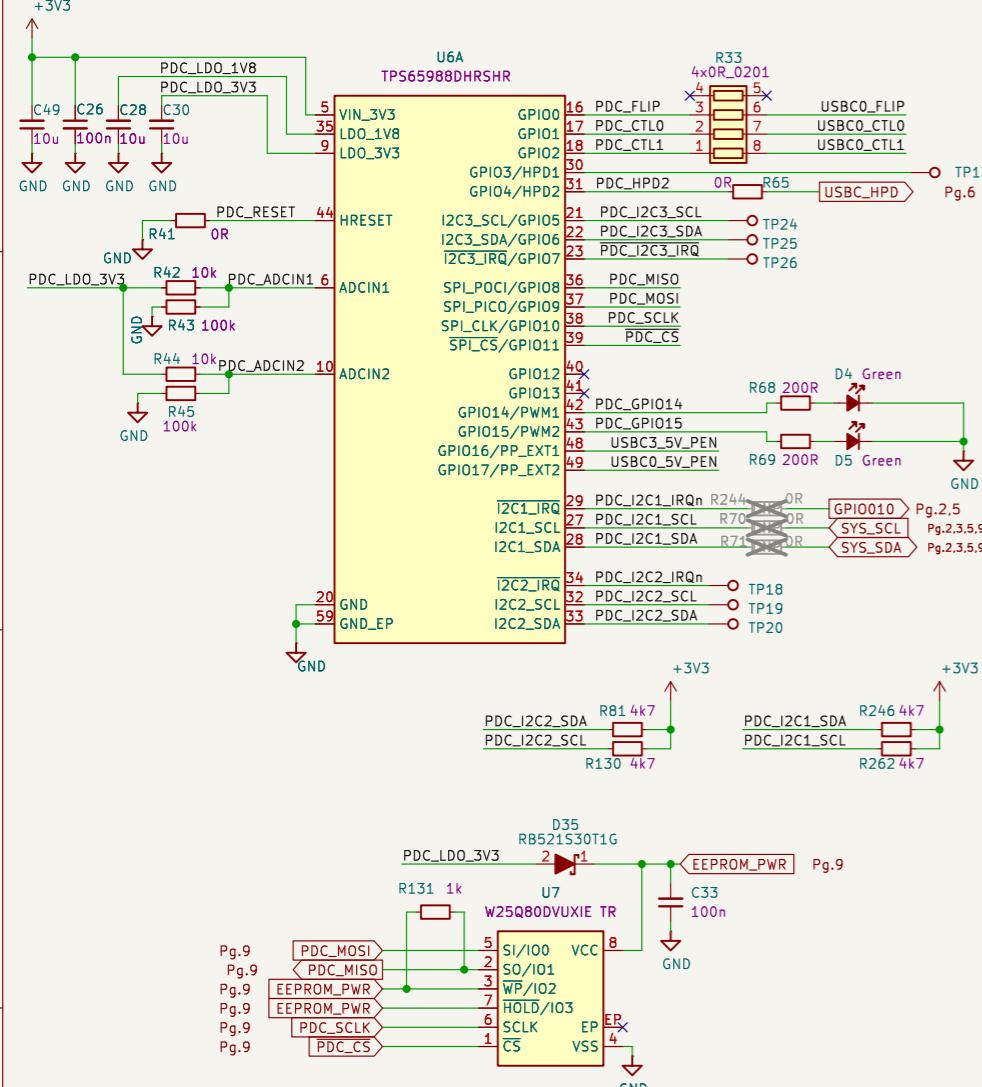
Rev: 1.1.6 Id: 1/10

1 2 3 4 5 6 7 8



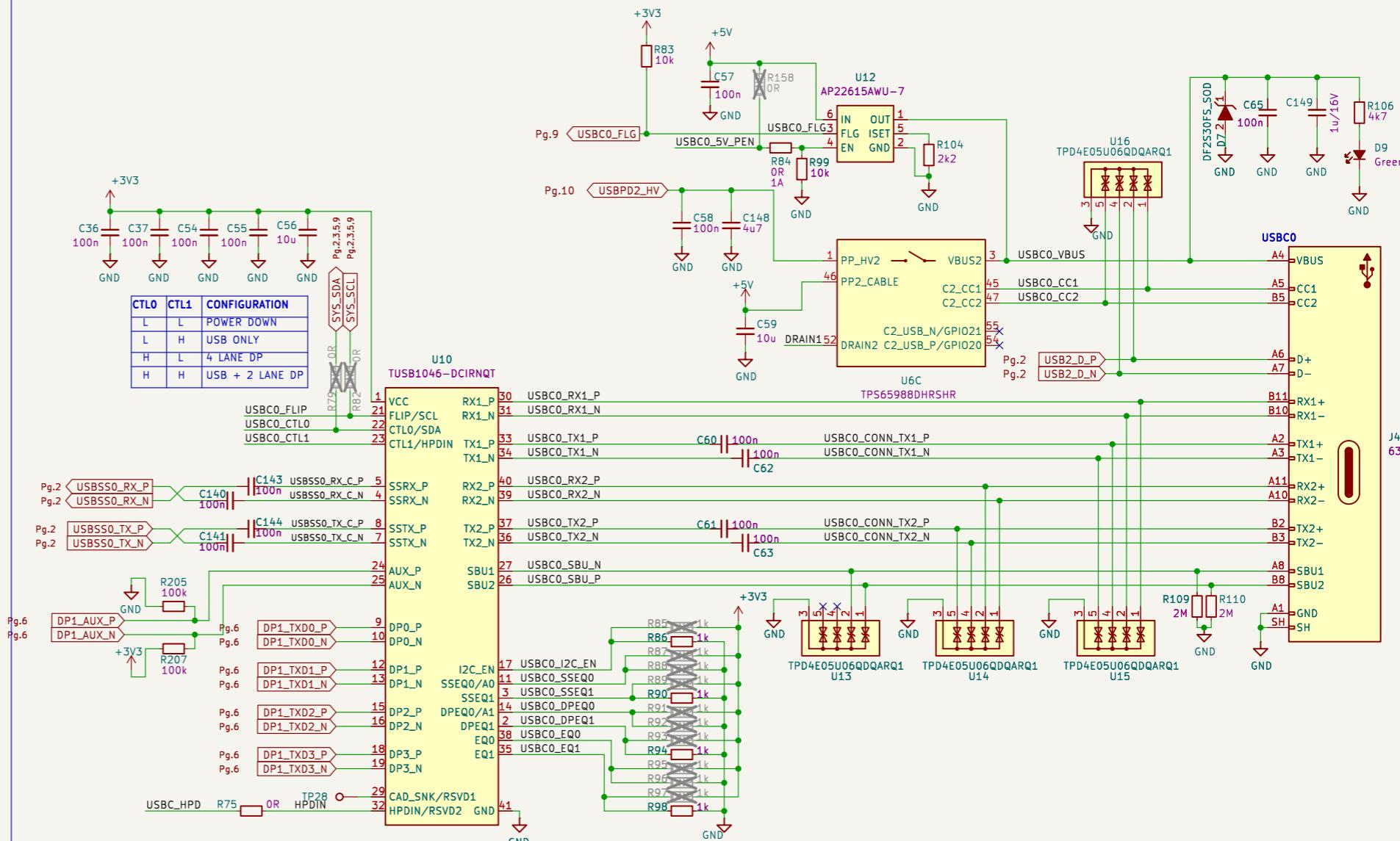


USB PD Controller

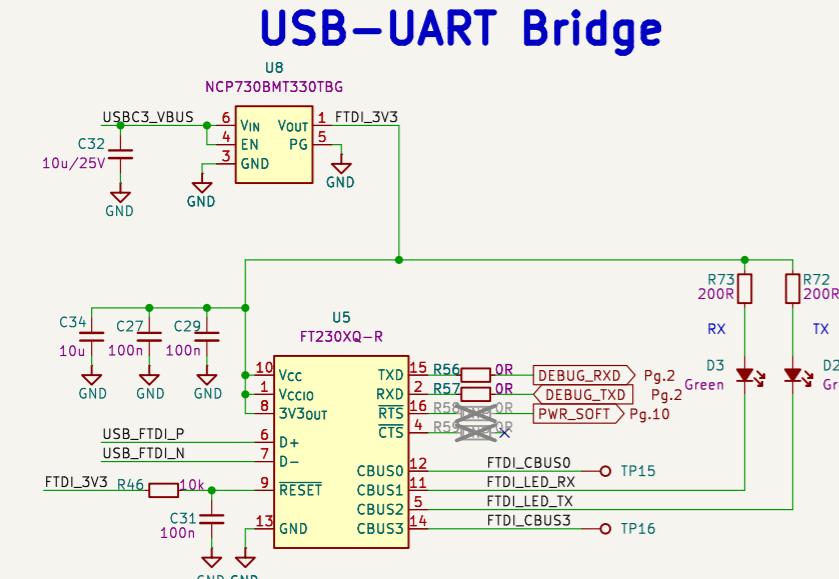


USB-C 0 Display Port alt mode

USB-PD Source/Sink

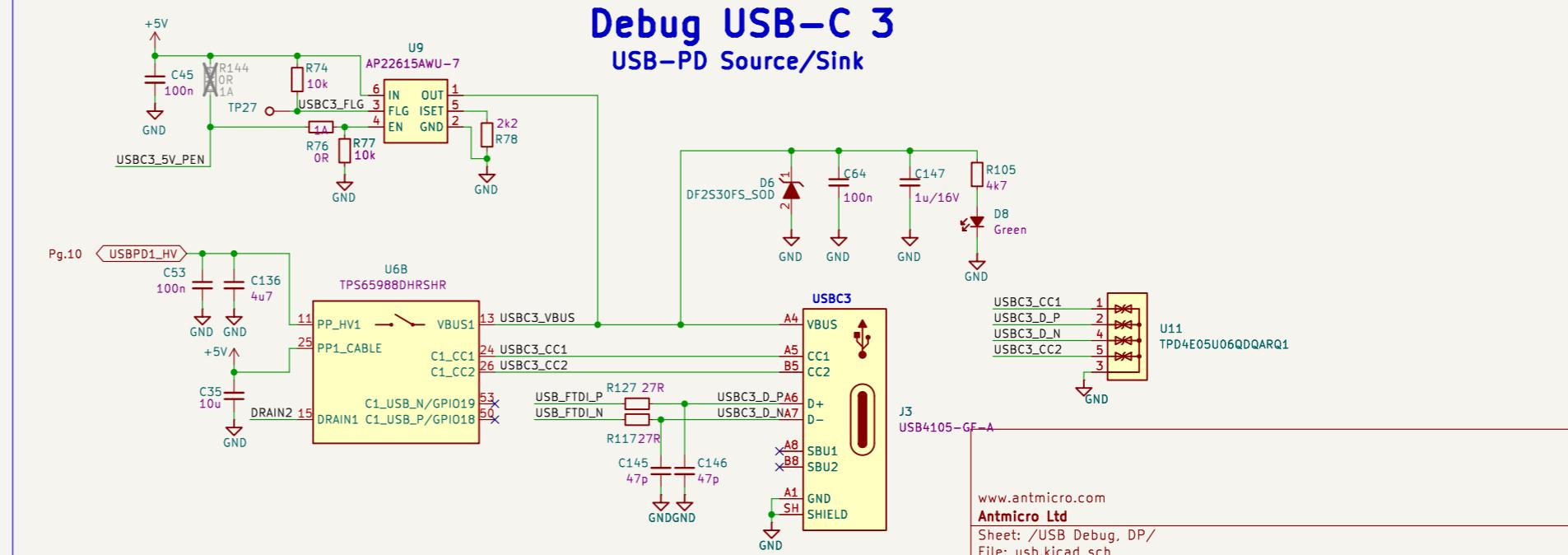


USB–UART Bridge

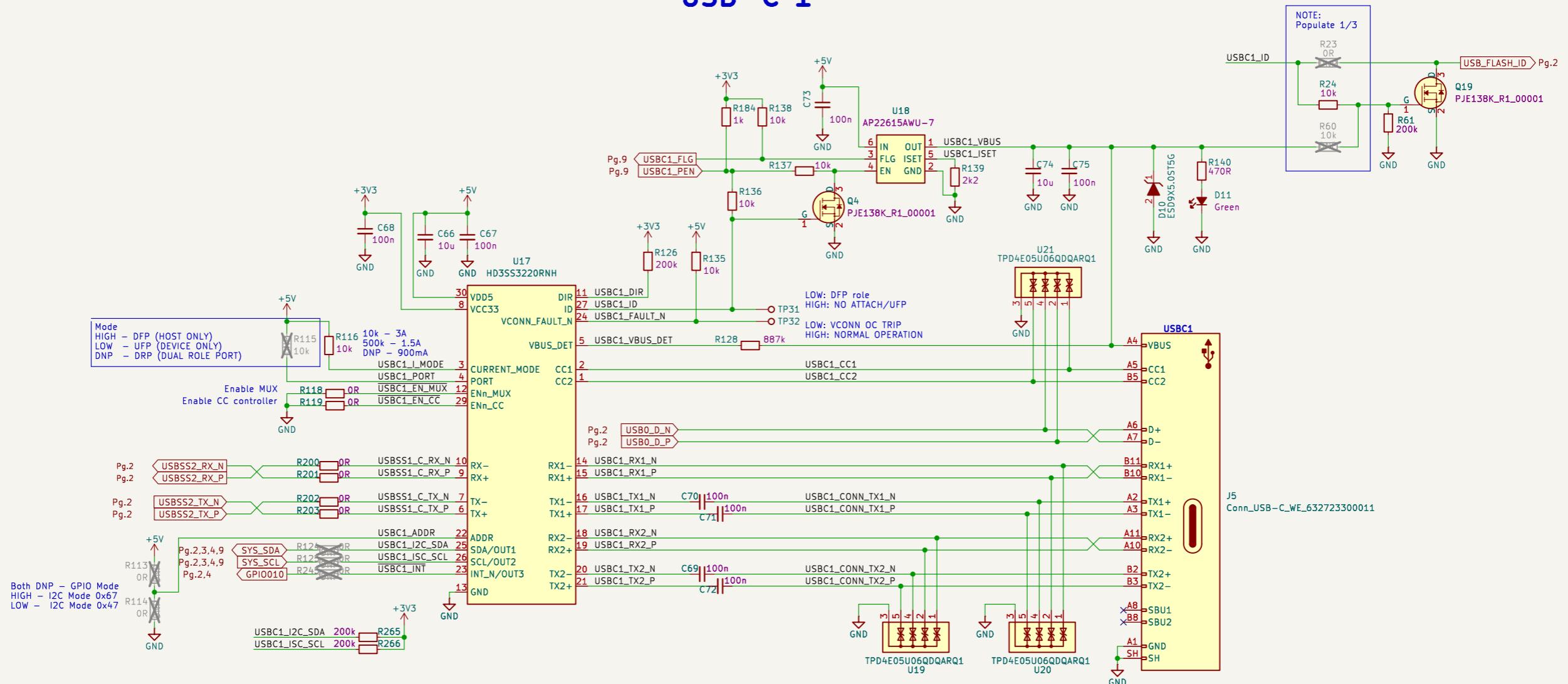


Debug USB-C 3

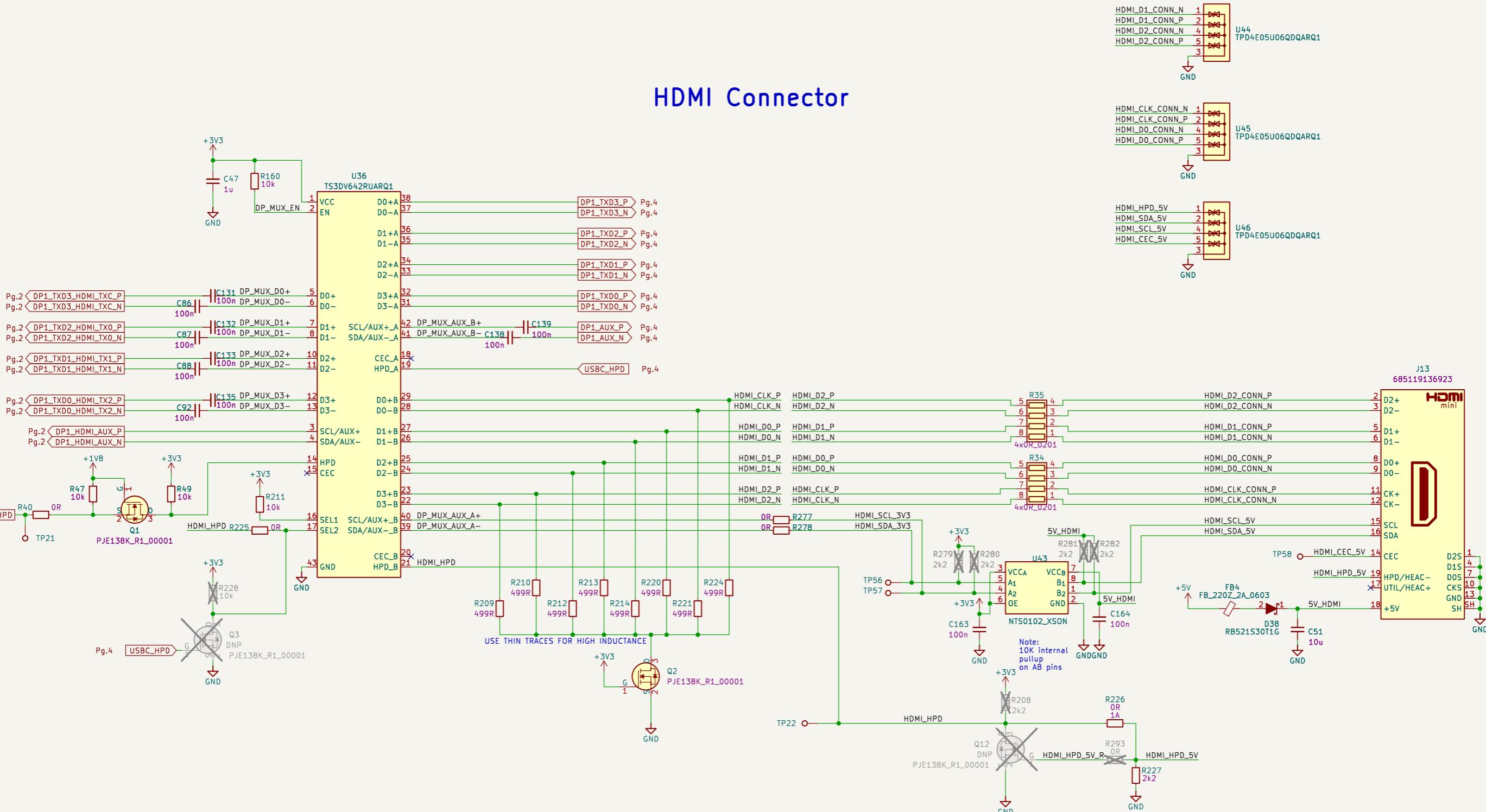
USB-PD Source/Sink



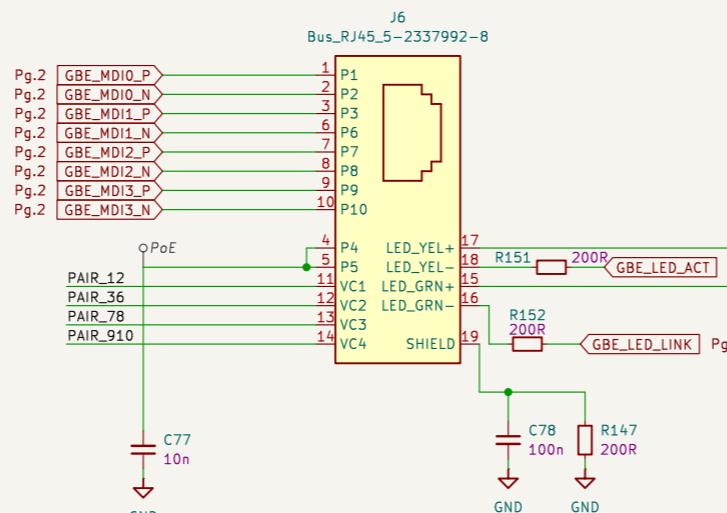
USB-C 1



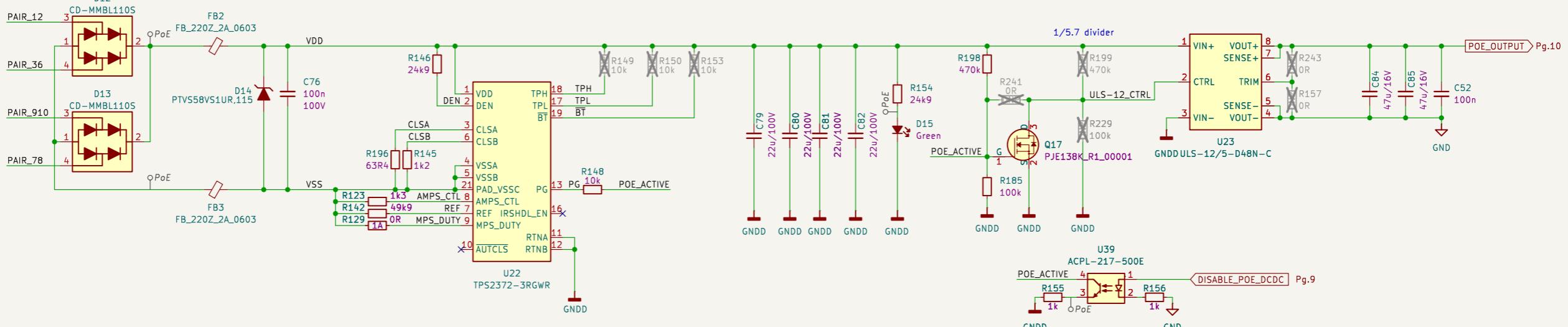
HDMI Connector

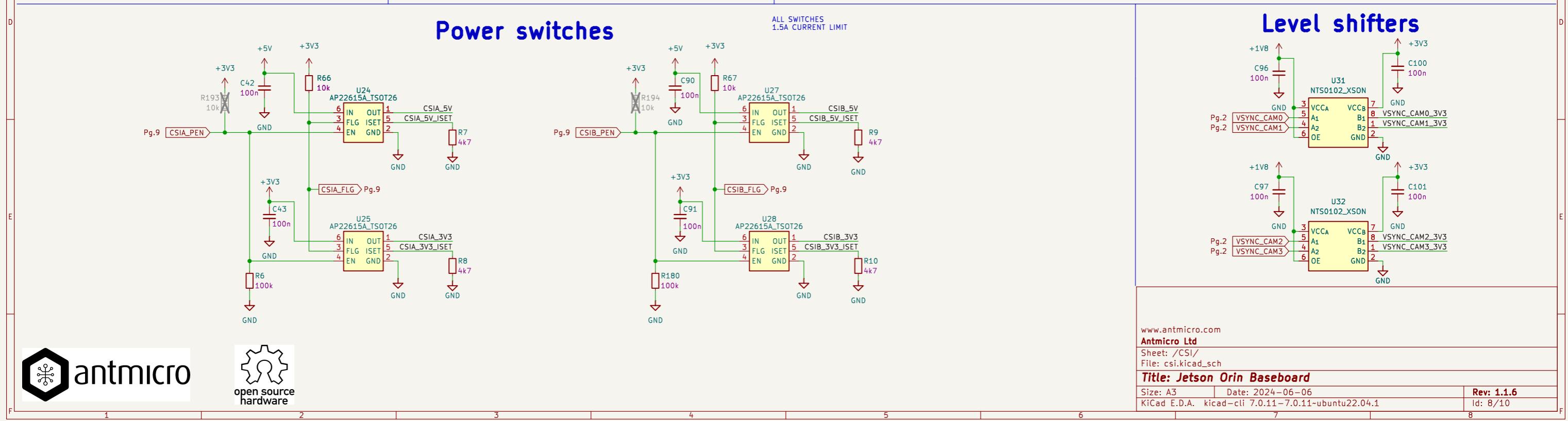
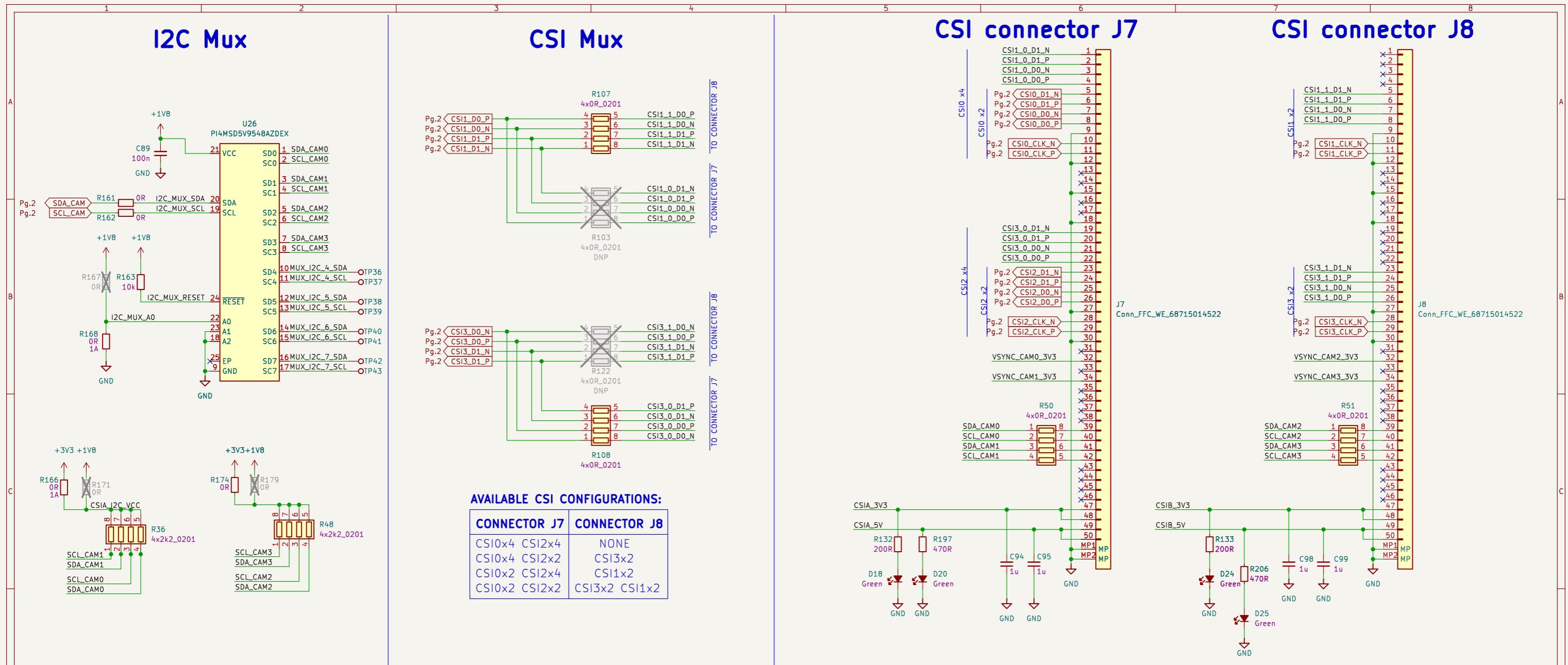


Ethernet Connector

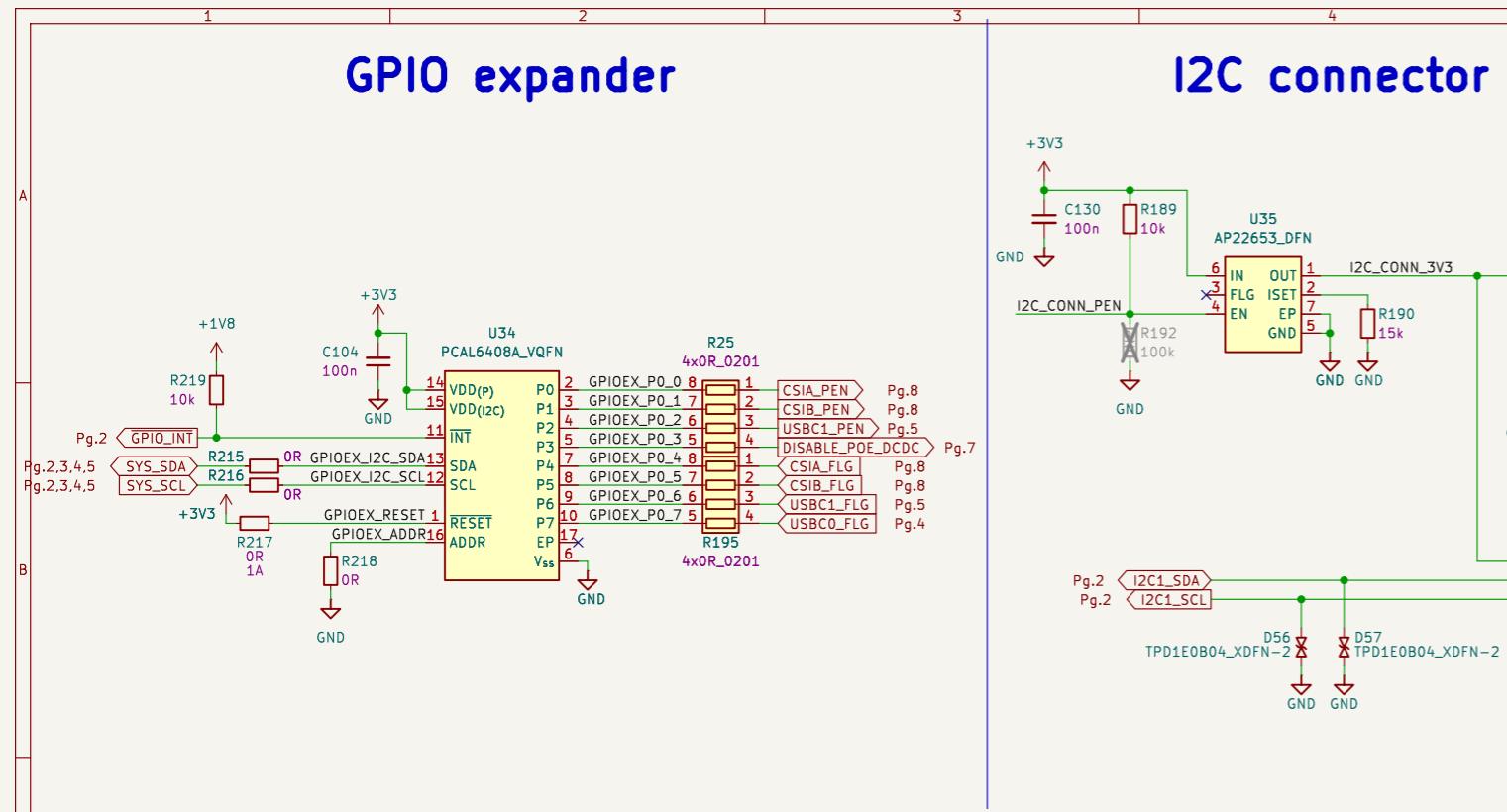


Power over Ethernet

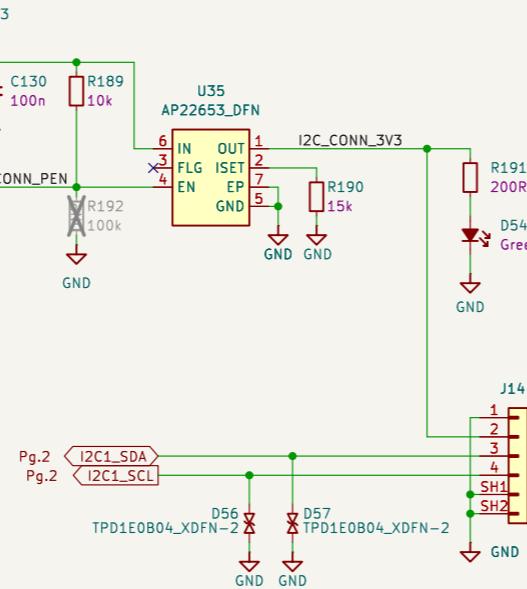




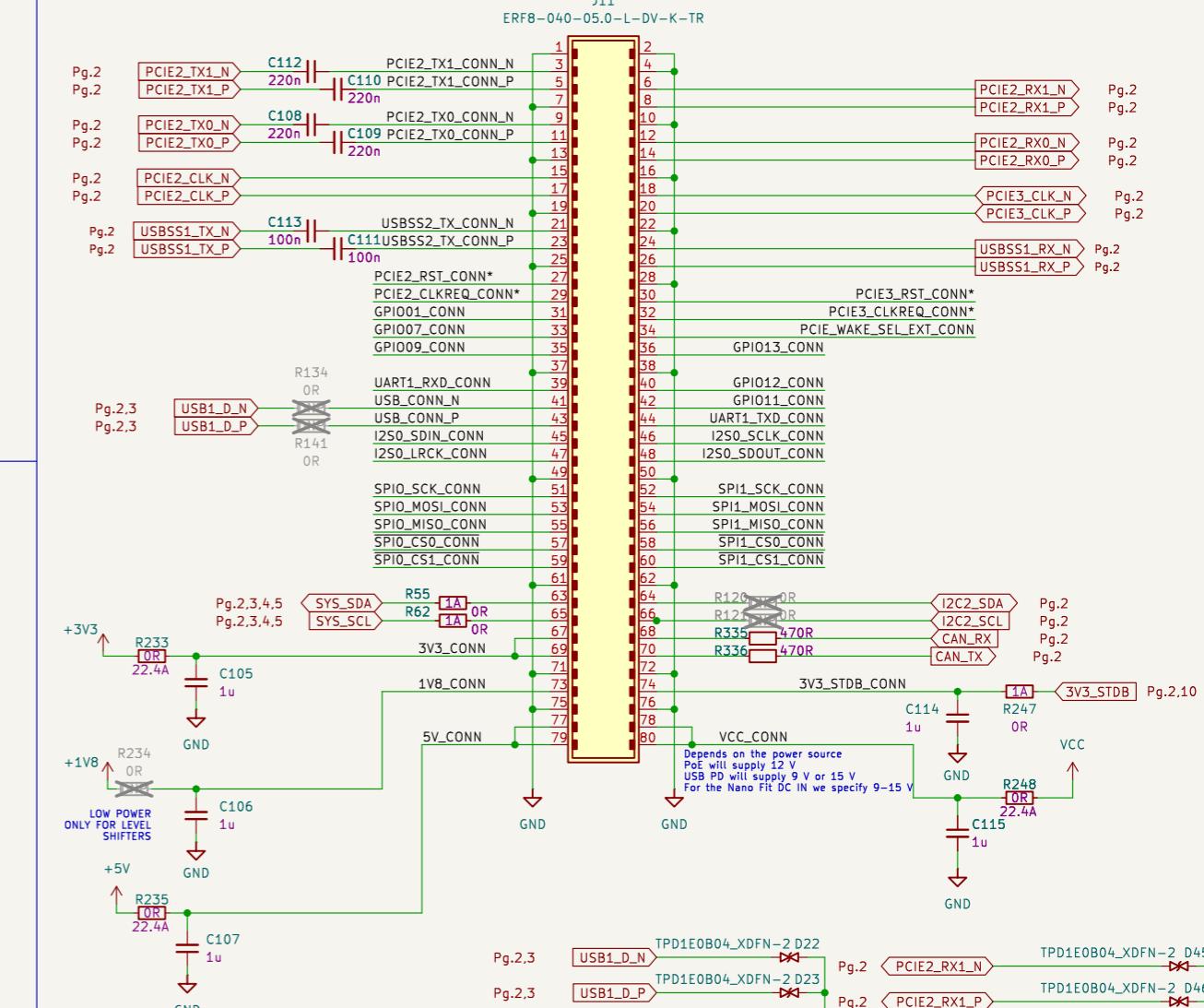
GPIO expander



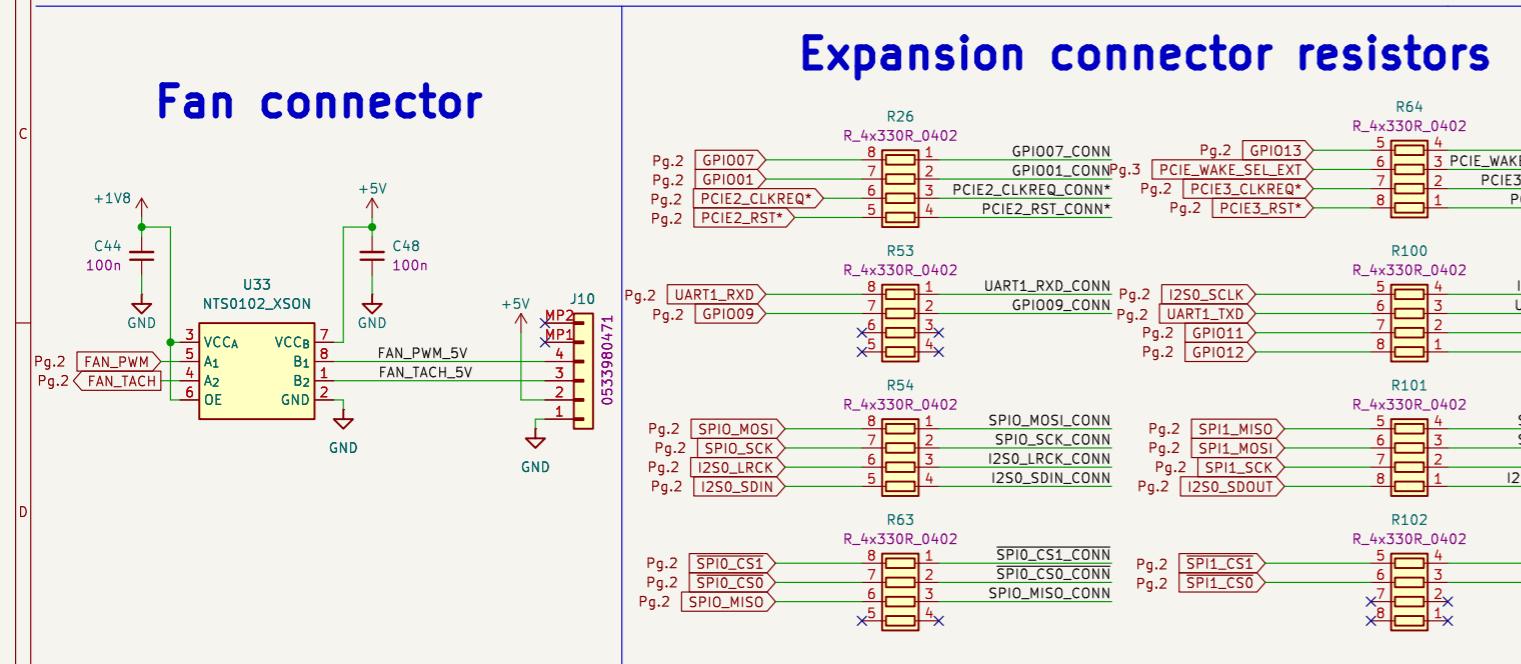
I2C connector



Expansion connector



Fan connector



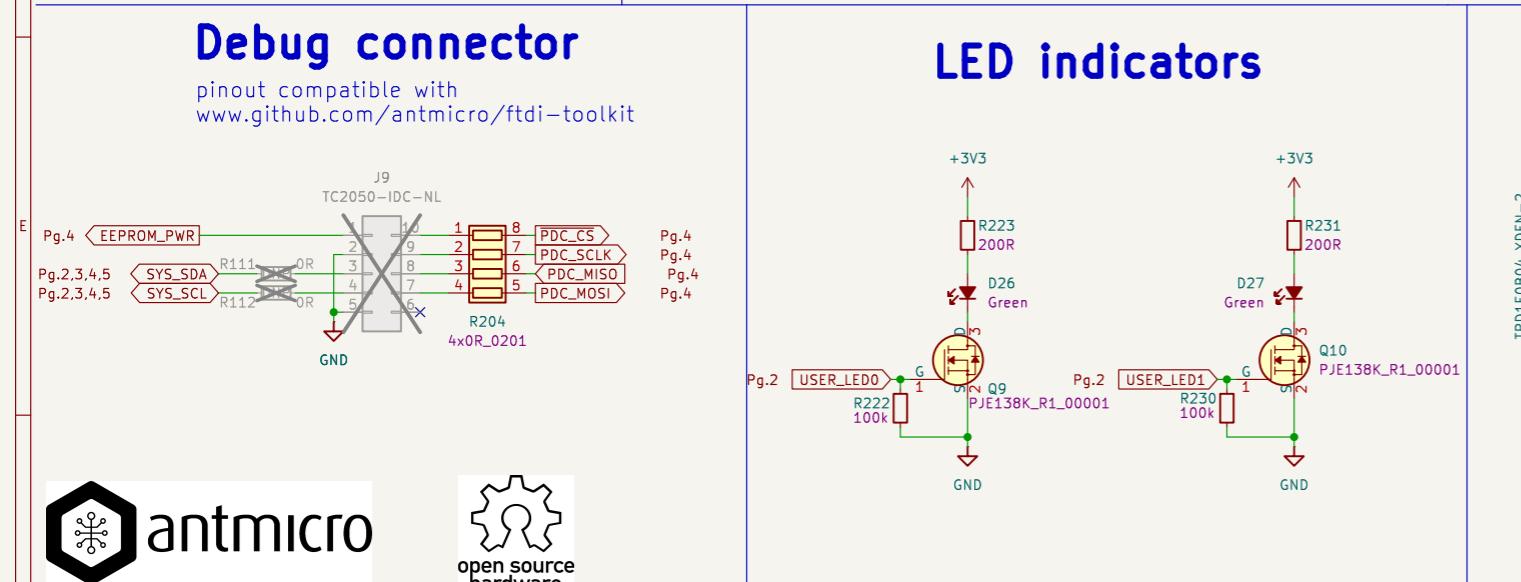
Expansion connector resistors

C

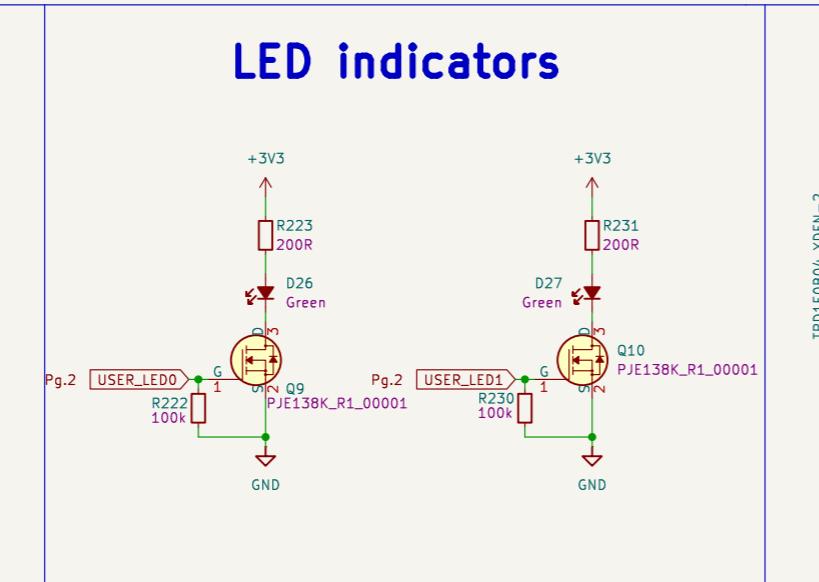
D

Debug connector

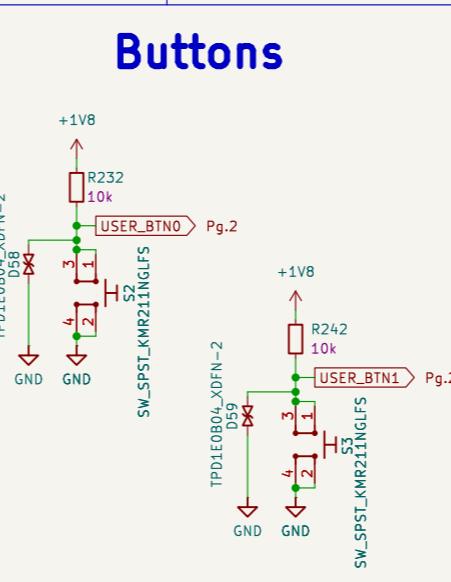
pinout compatible with
www.github.com/antmicro/ftdi-toolkit



LED indicators



Buttons



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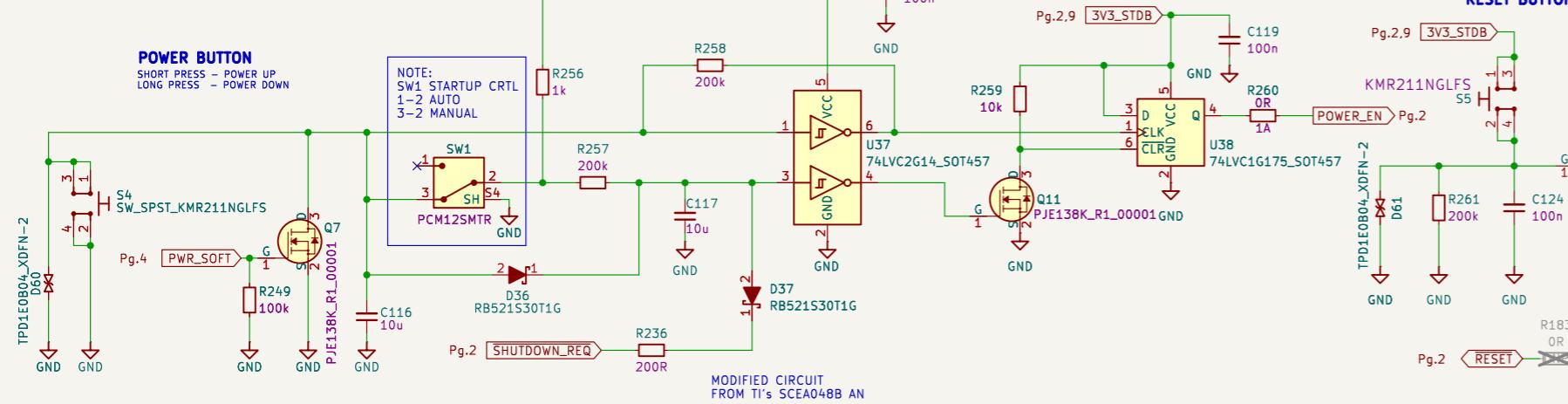
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Title: Jetson Orin Baseboard

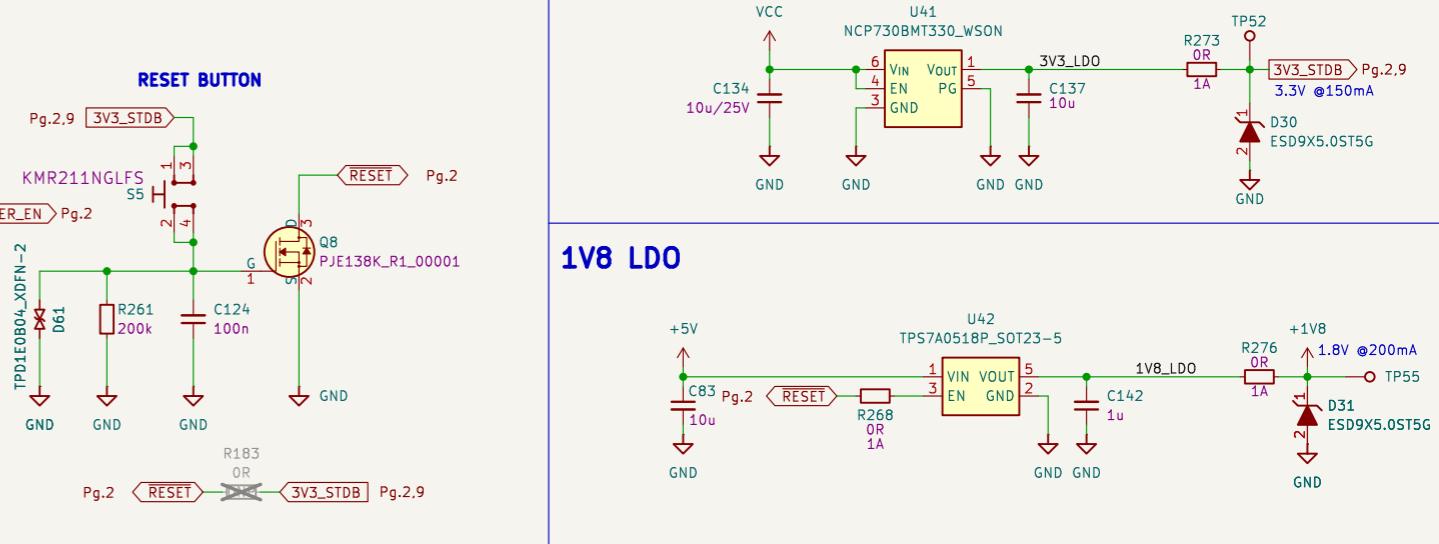
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KiCad E.D.A. kicad-cl 7.0.11-7.0.11-ubuntu22.04.1

Rev: 1.1.6
Id: 9/10

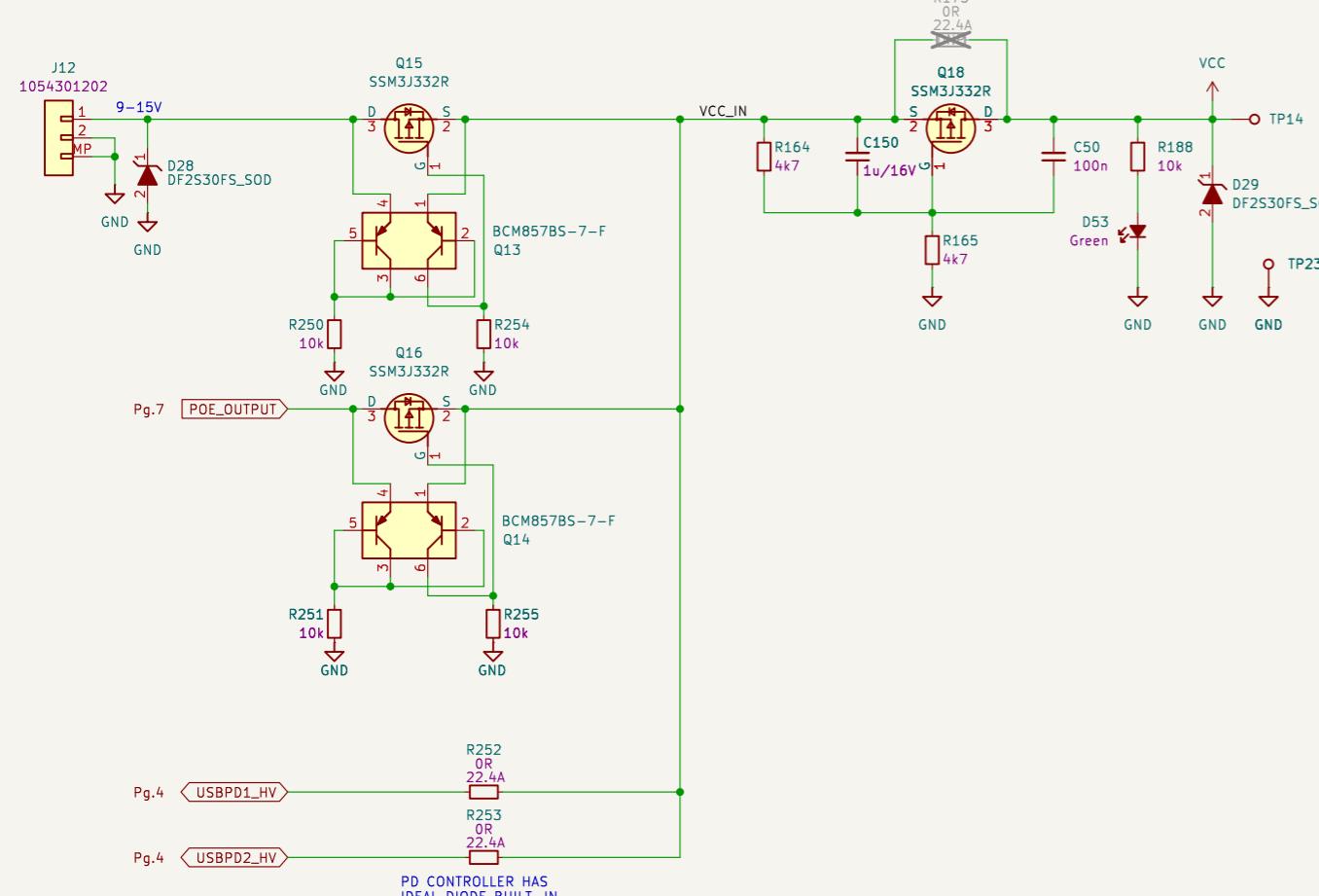
POWER-UP AND RESET CIRCUITY



3V3 STANDBY LDO



INPUT SELECTOR AND SOFT START



5V DCDC

