

1 2 3 4 5 6 7 8

Jetson Orin Baseboard

github.com/antmicro/jetson-orin-baseboard

A

B

C

D

E

F

A

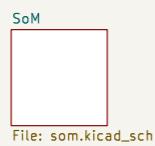
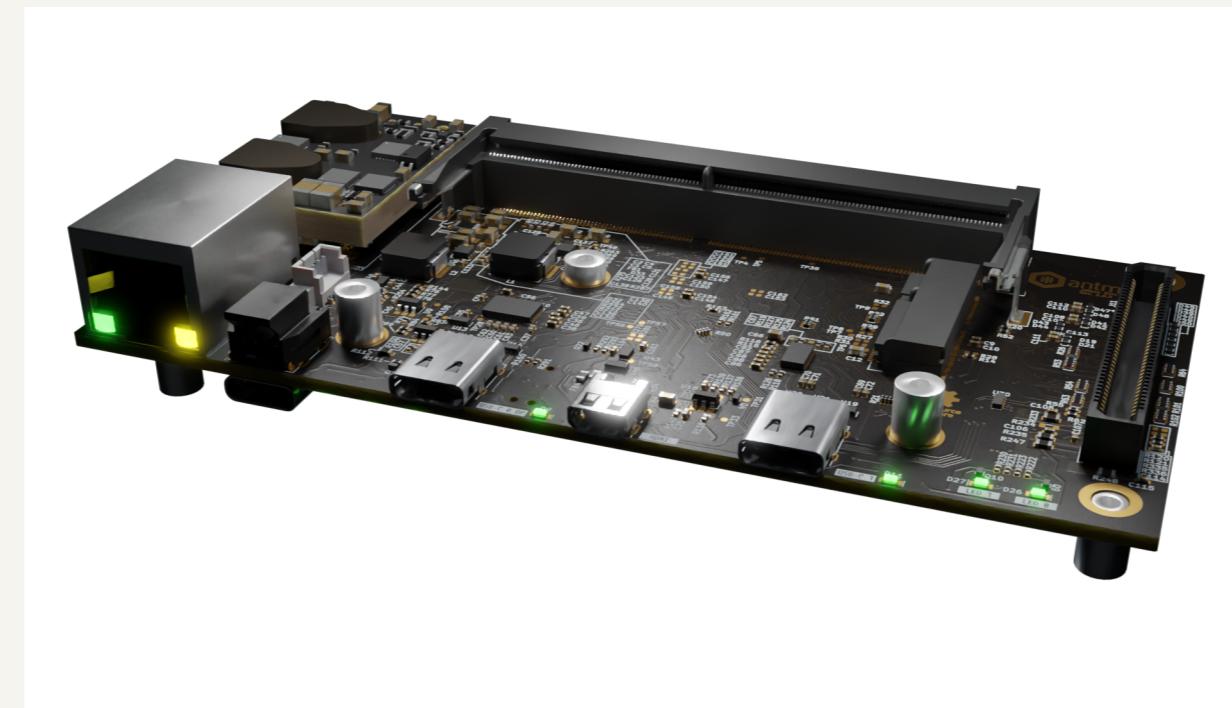
B

C

D

E

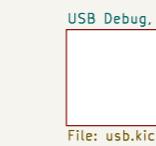
F



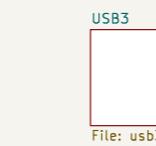
File: som.kicad_sch



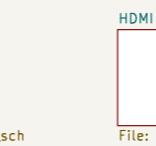
File: m_2.kicad_sch



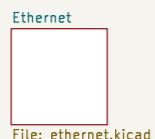
File: usb.kicad_sch



File: usb3.kicad_sch



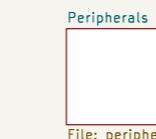
File: hdmi.kicad_sch



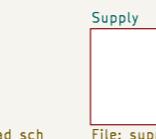
File: ethernet.kicad_sch



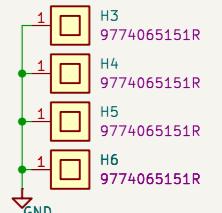
File: csi.kicad_sch



File: peripherals.kicad_sch



File: supply.kicad_sch



www.antmicro.com
Antmicro Ltd

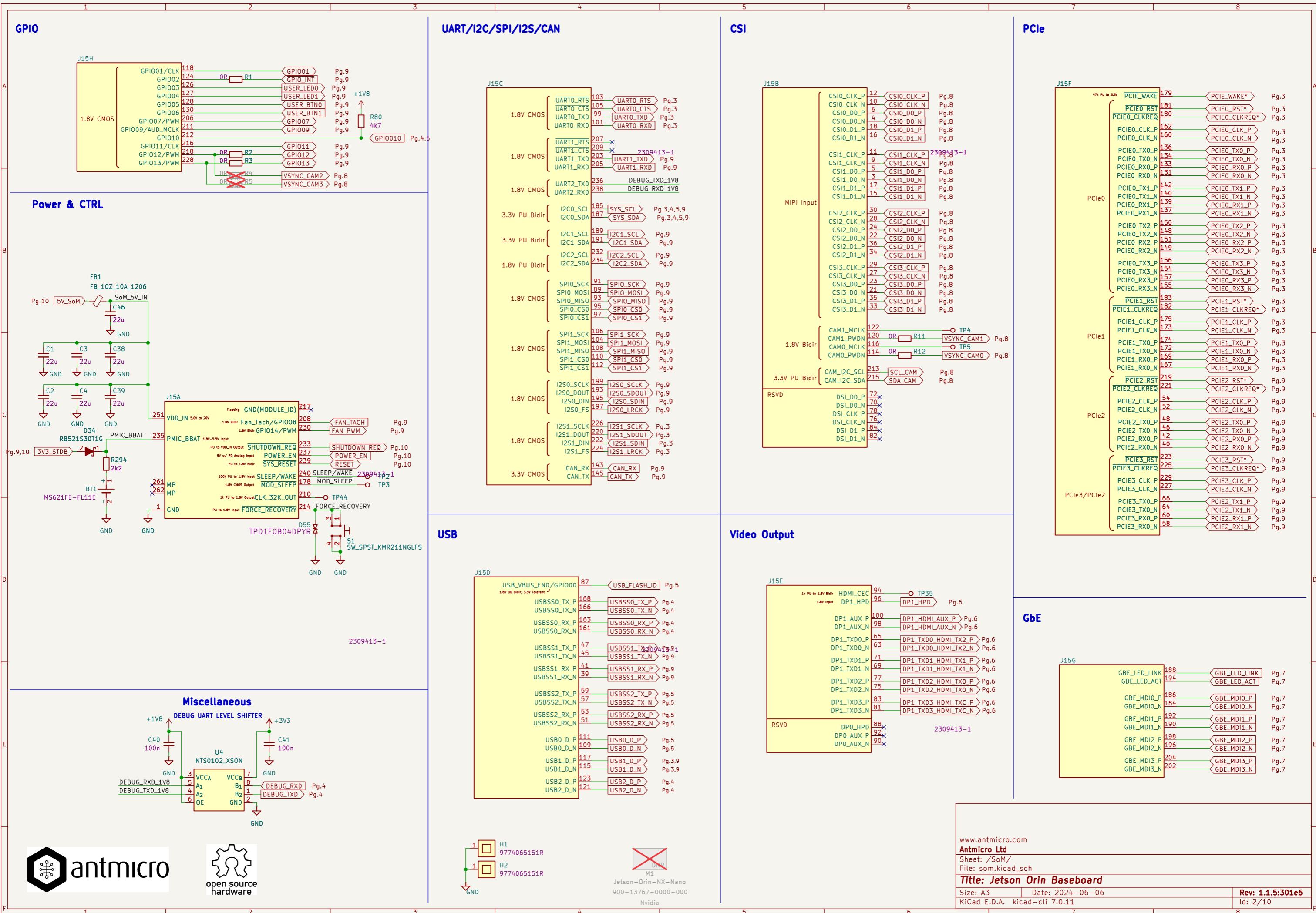
Sheet: / File: jetson-orin-baseboard.kicad_sch

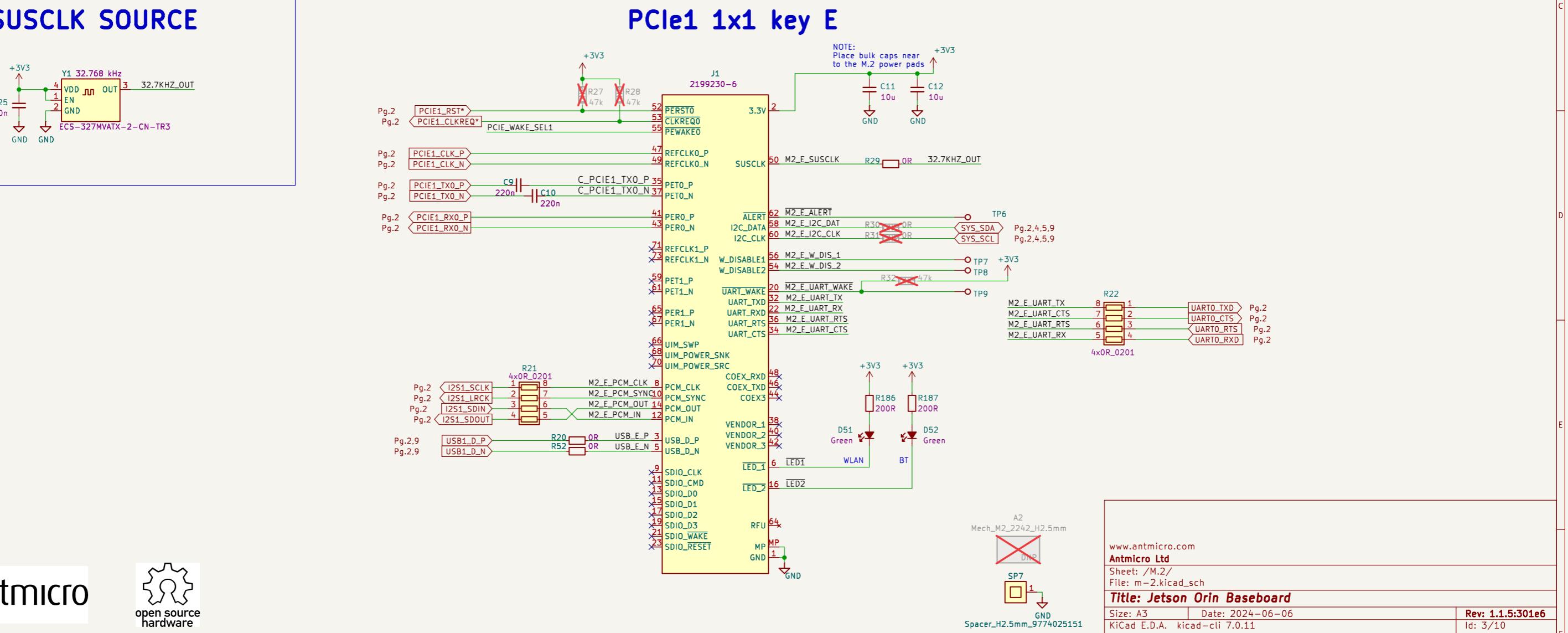
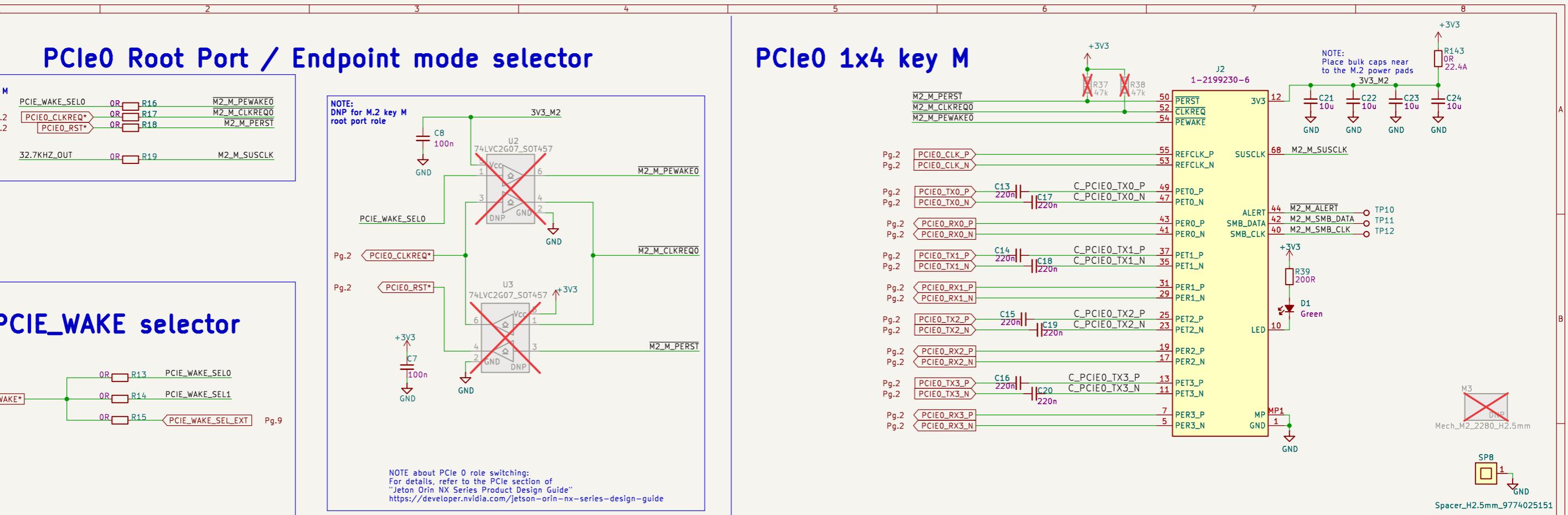
Title: Jetson Orin Baseboard

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

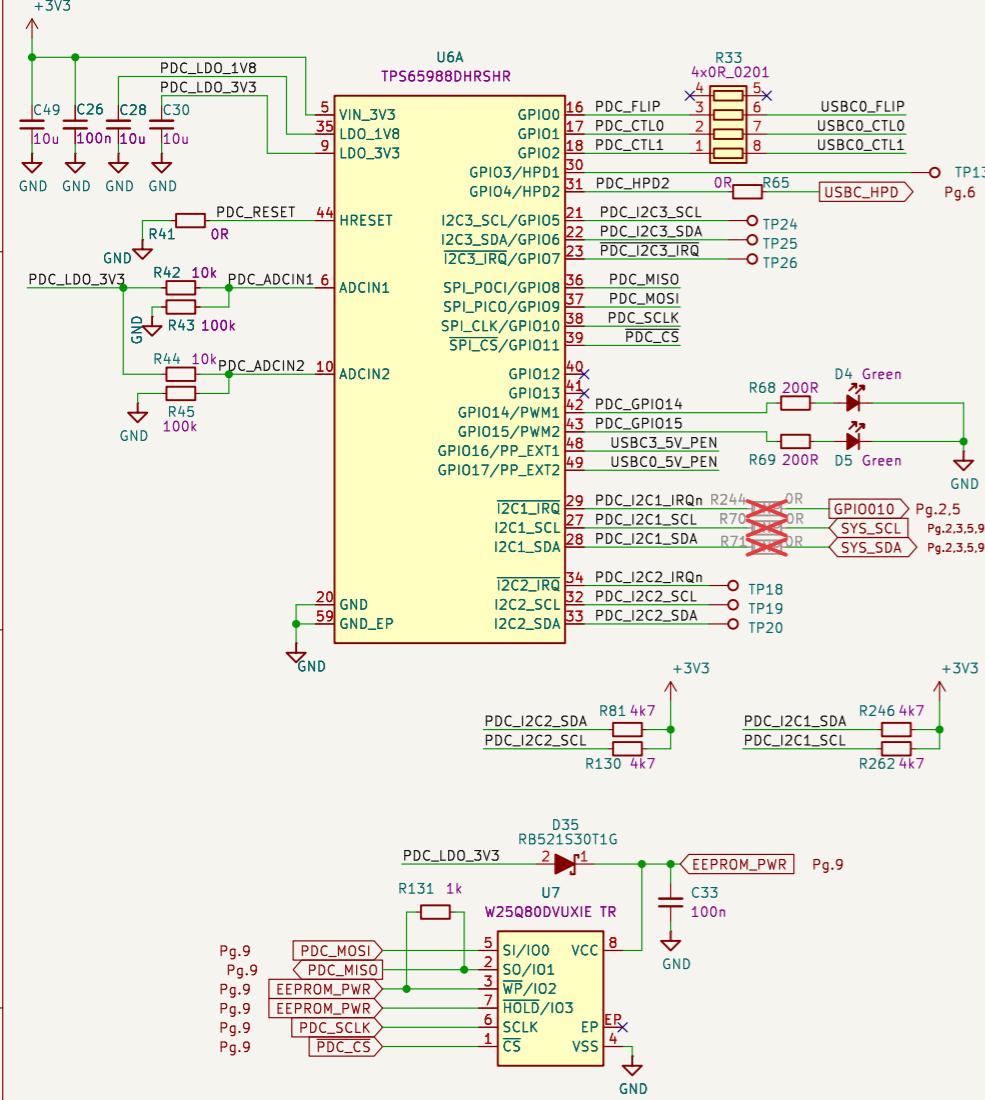
Rev: 1.1.5:301e6 Id: 1/10

1 2 3 4 5 6 7 8



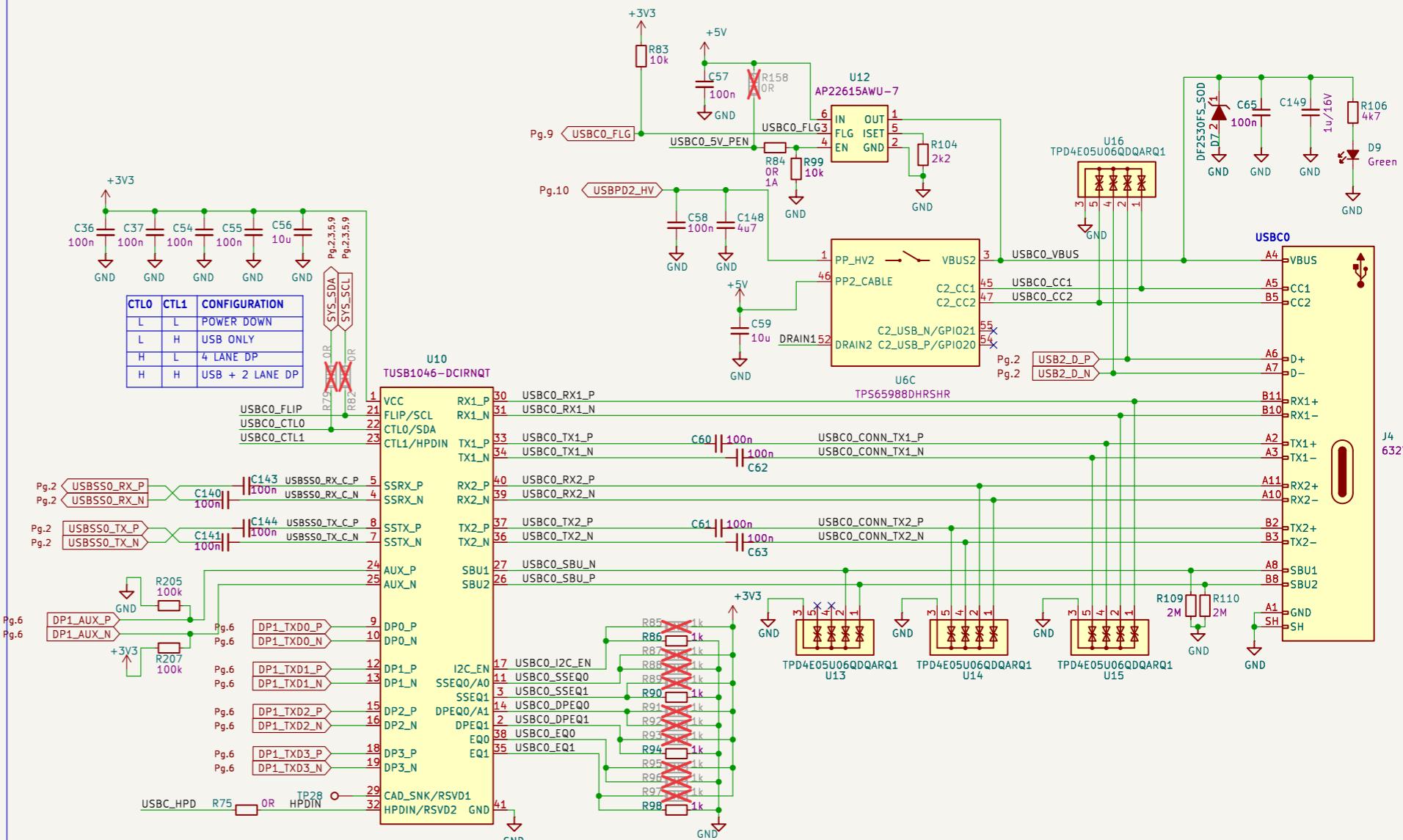


USB PD Controller

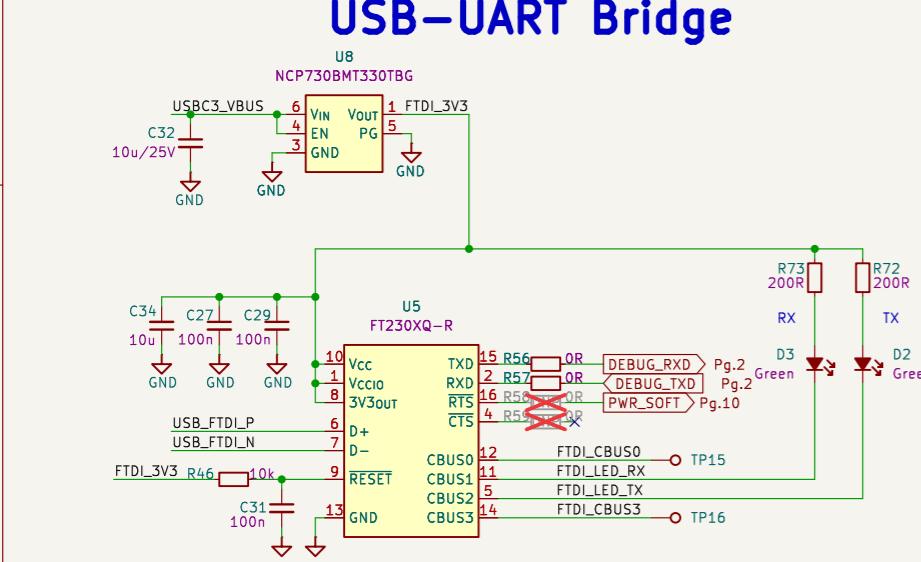


USB-C 0 Display Port alt mode

USB-PD Source/Sink

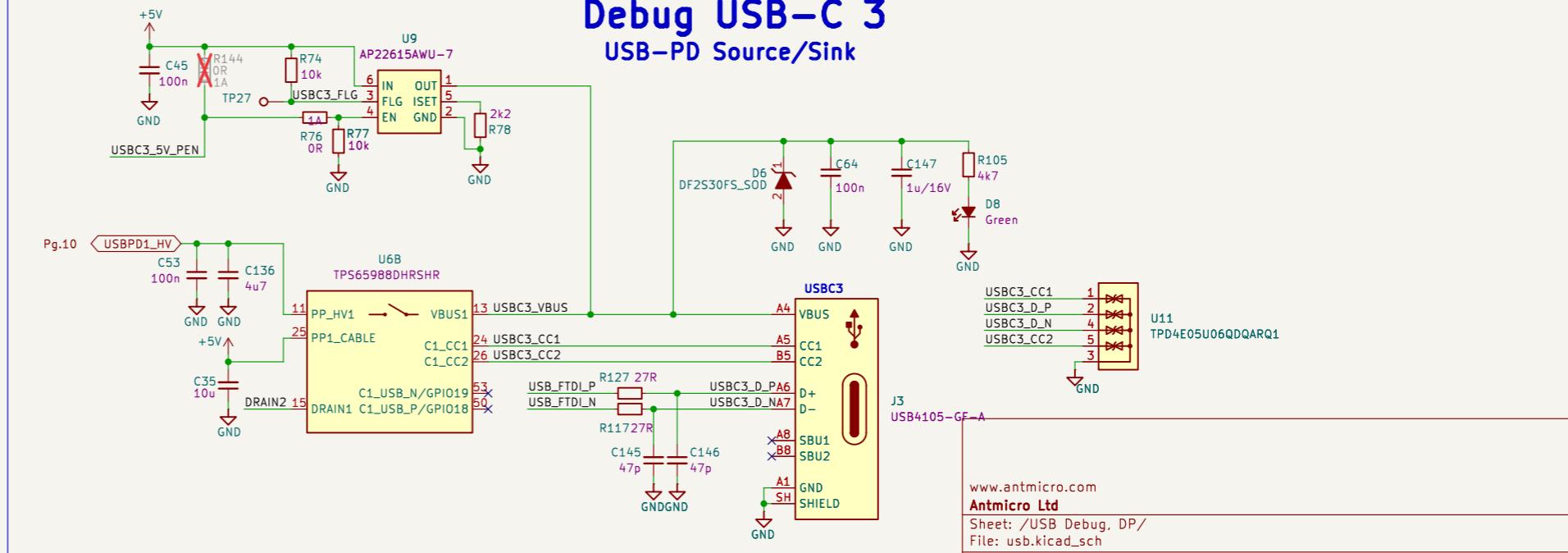


USB-UART Bridge

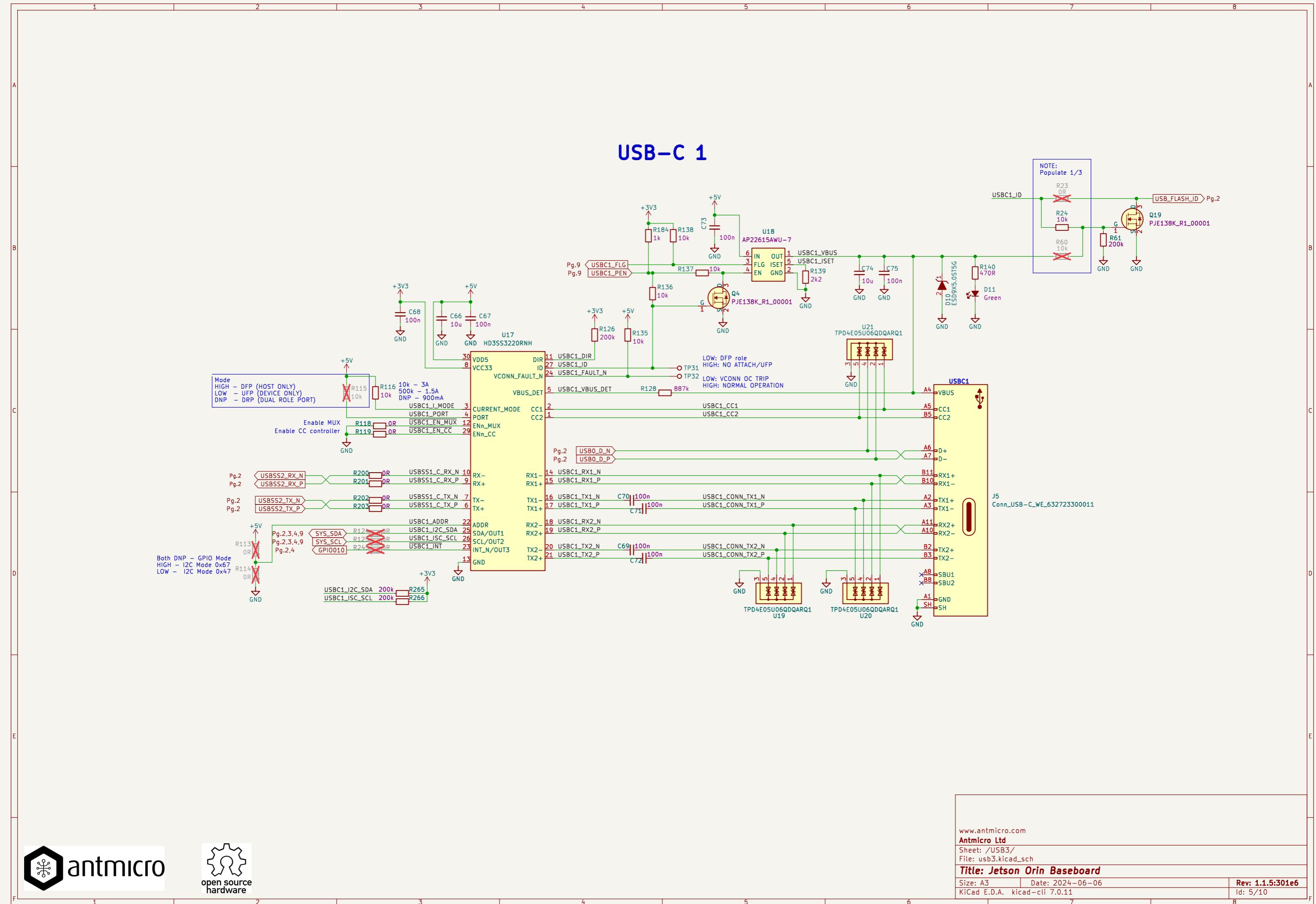


Debug USB-C 3

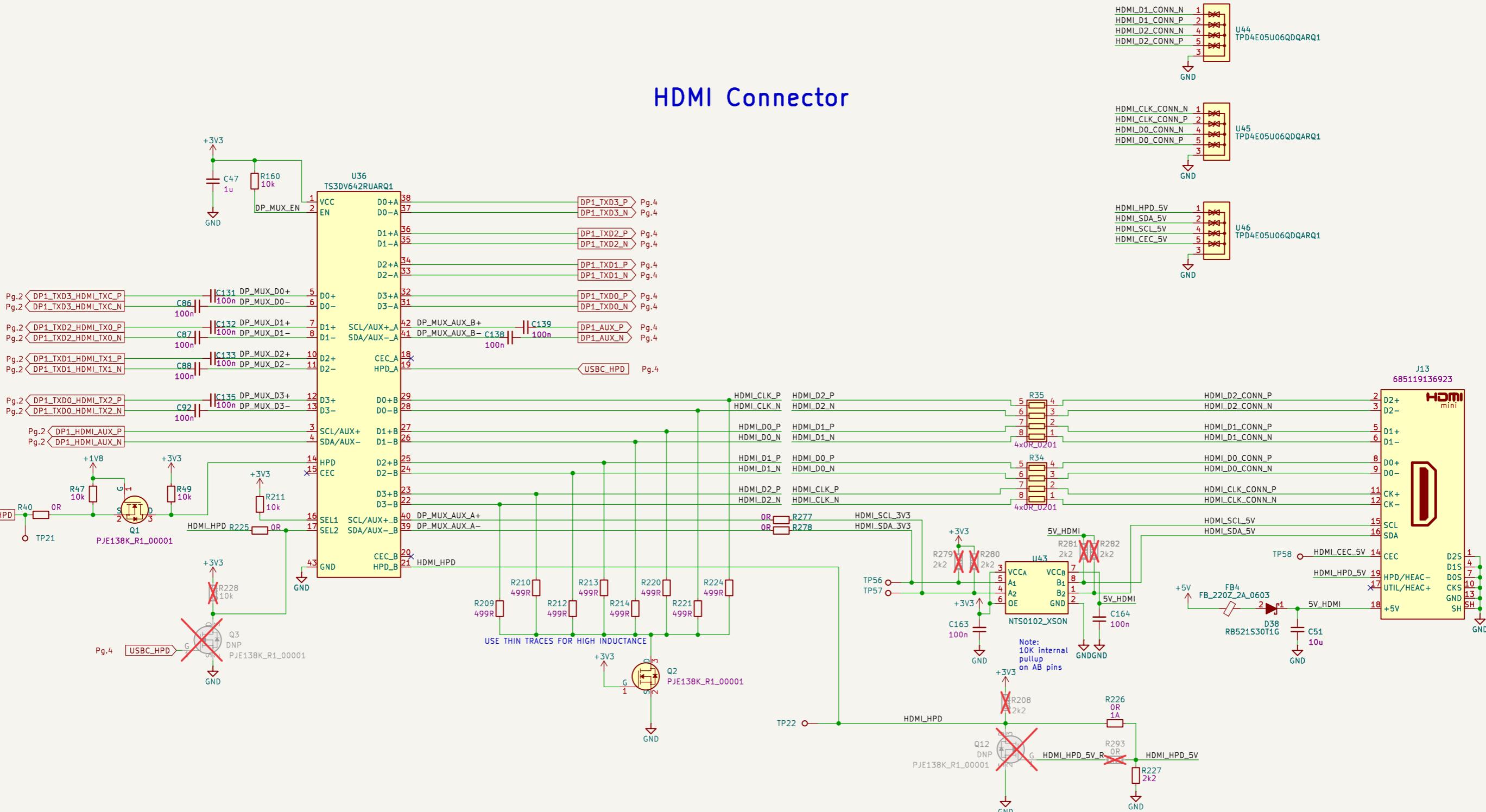
USB-PD Source/Sink

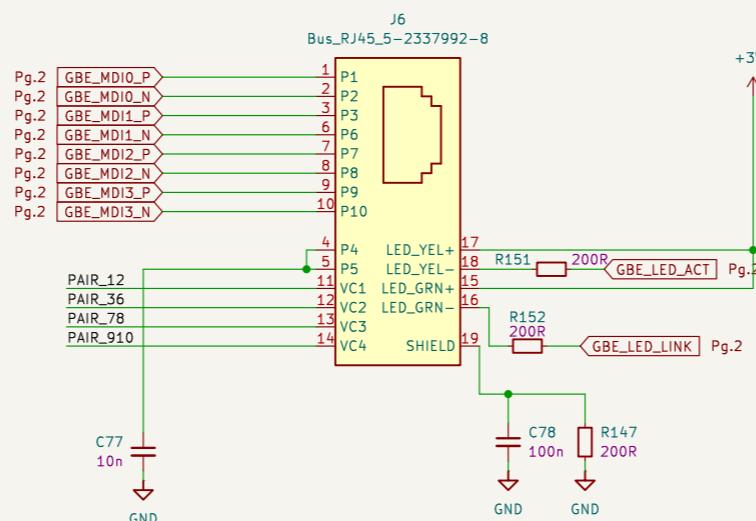


www.antmicro.com	Sheet: /USB Debug, DP/
Antmicro Ltd	File: usb.kicad_sch
Title: Jetson Orin Baseboard	
Size: A3	Date: 2024-06-06
KiCad E.D.A. kicad-cl 7.0.11	Rev: 1.1.5:301e6
	Id: 4/10

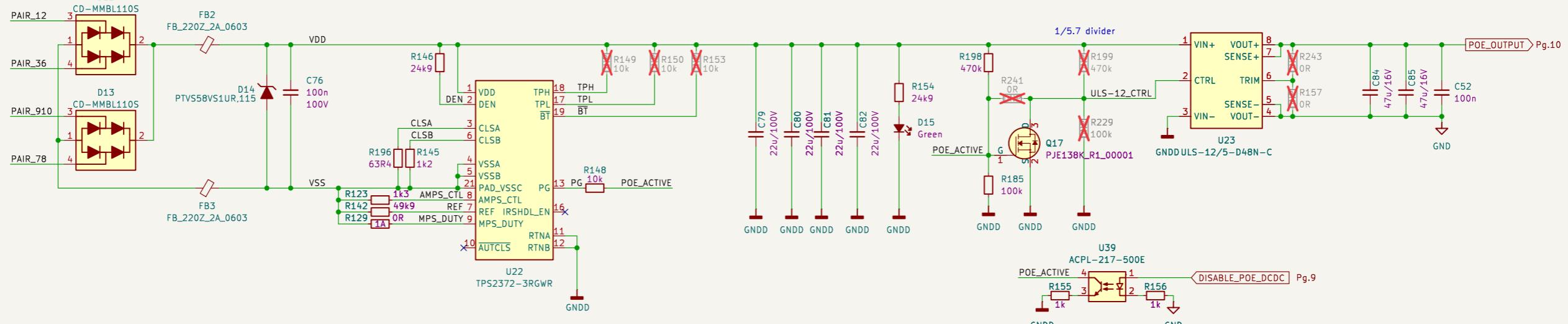


HDMI Connector

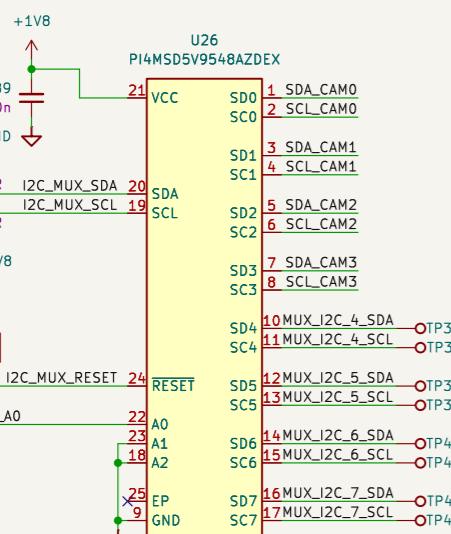




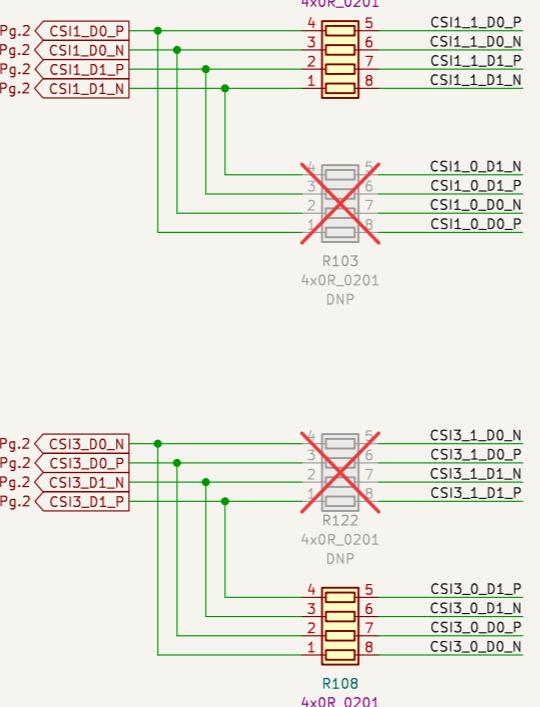
Power over Ethernet



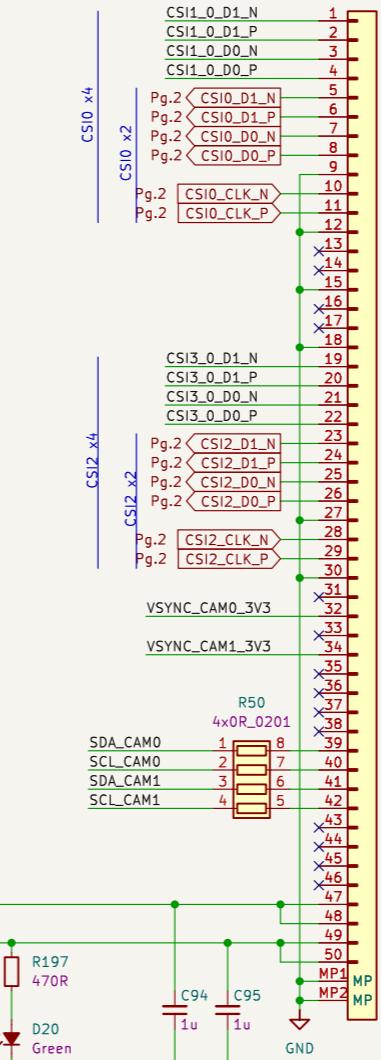
I2C Mux



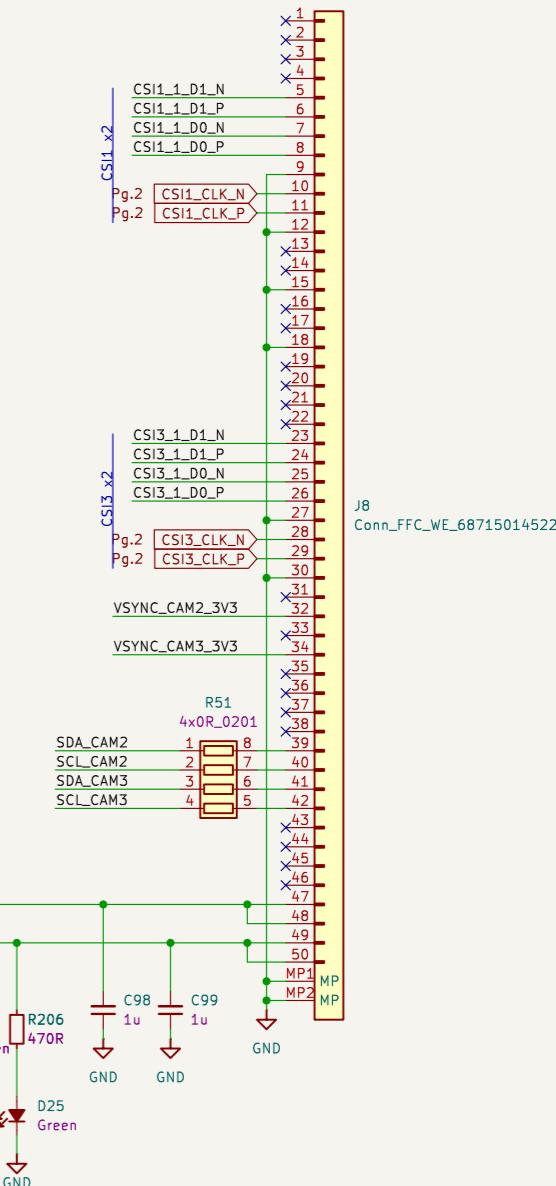
CSI Mux



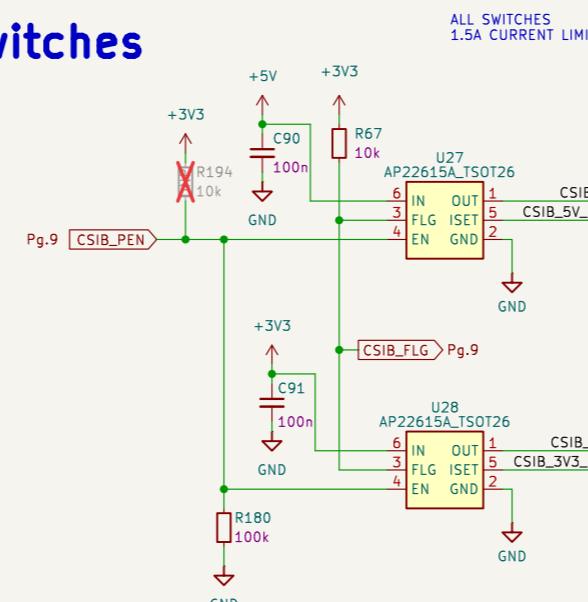
CSI connector J7



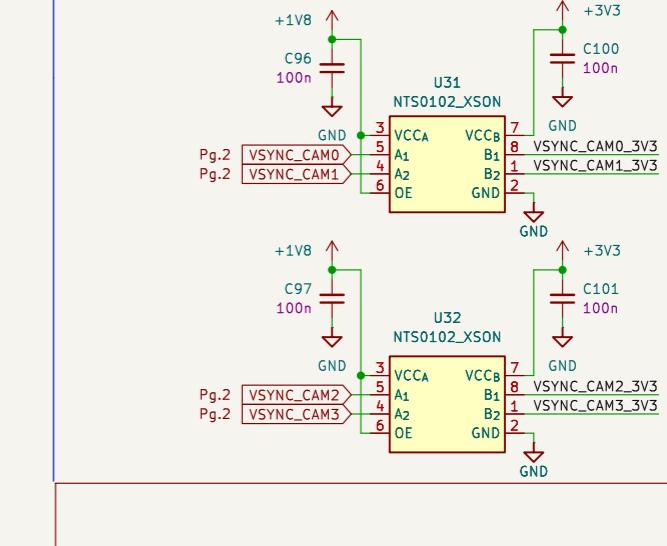
CSI connector J8



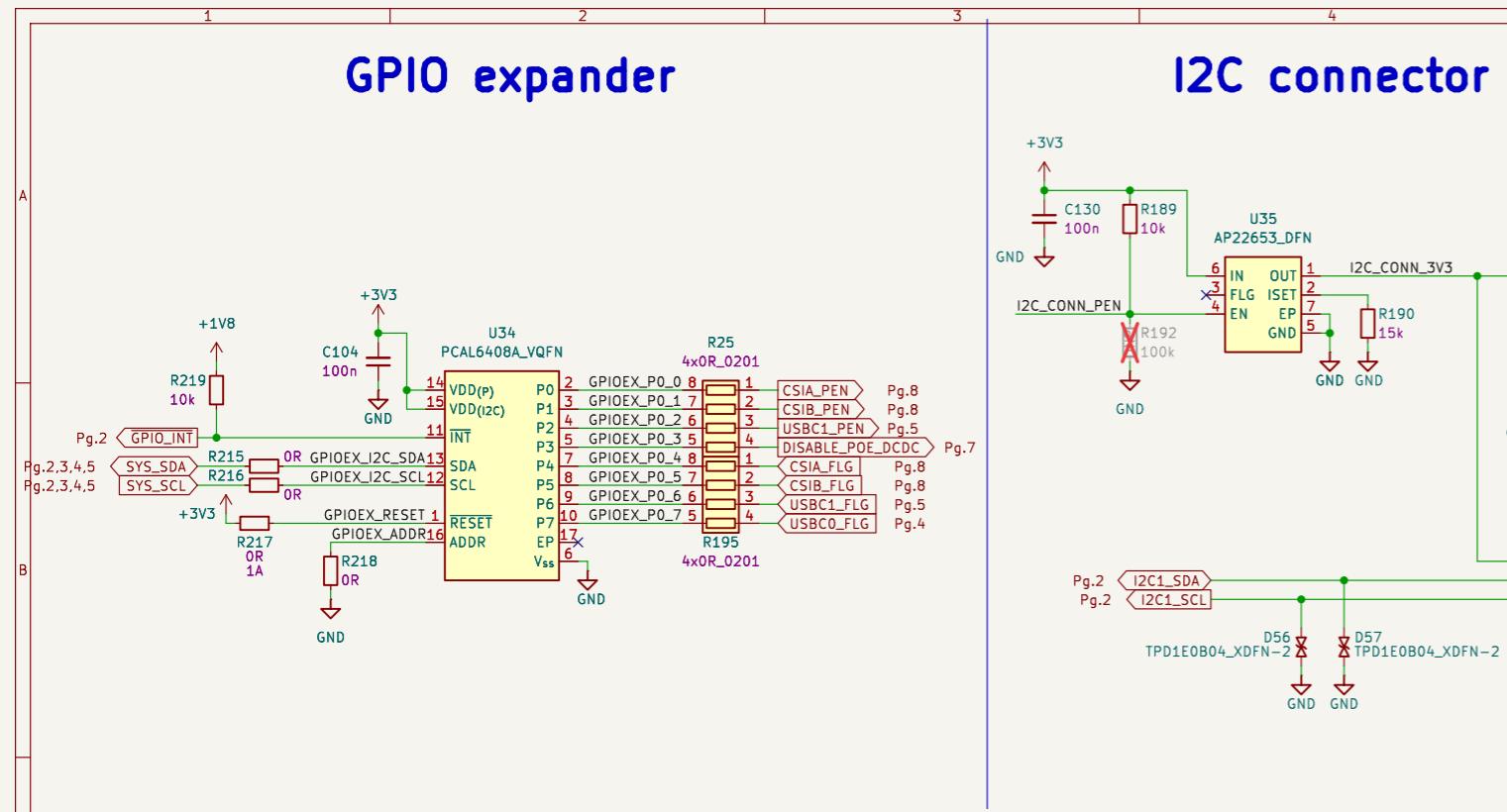
Power switches



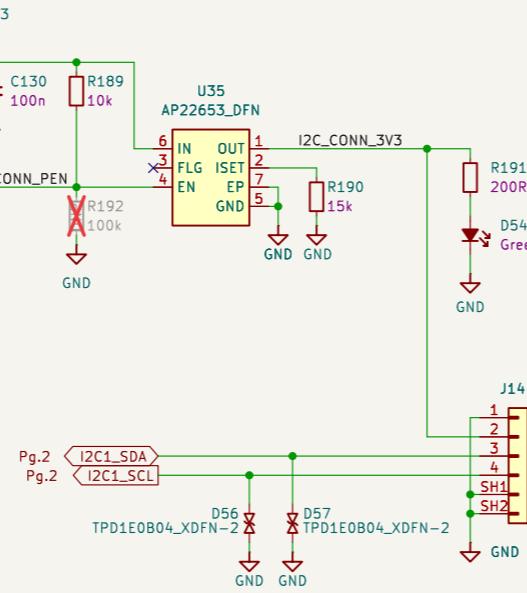
Level shifters



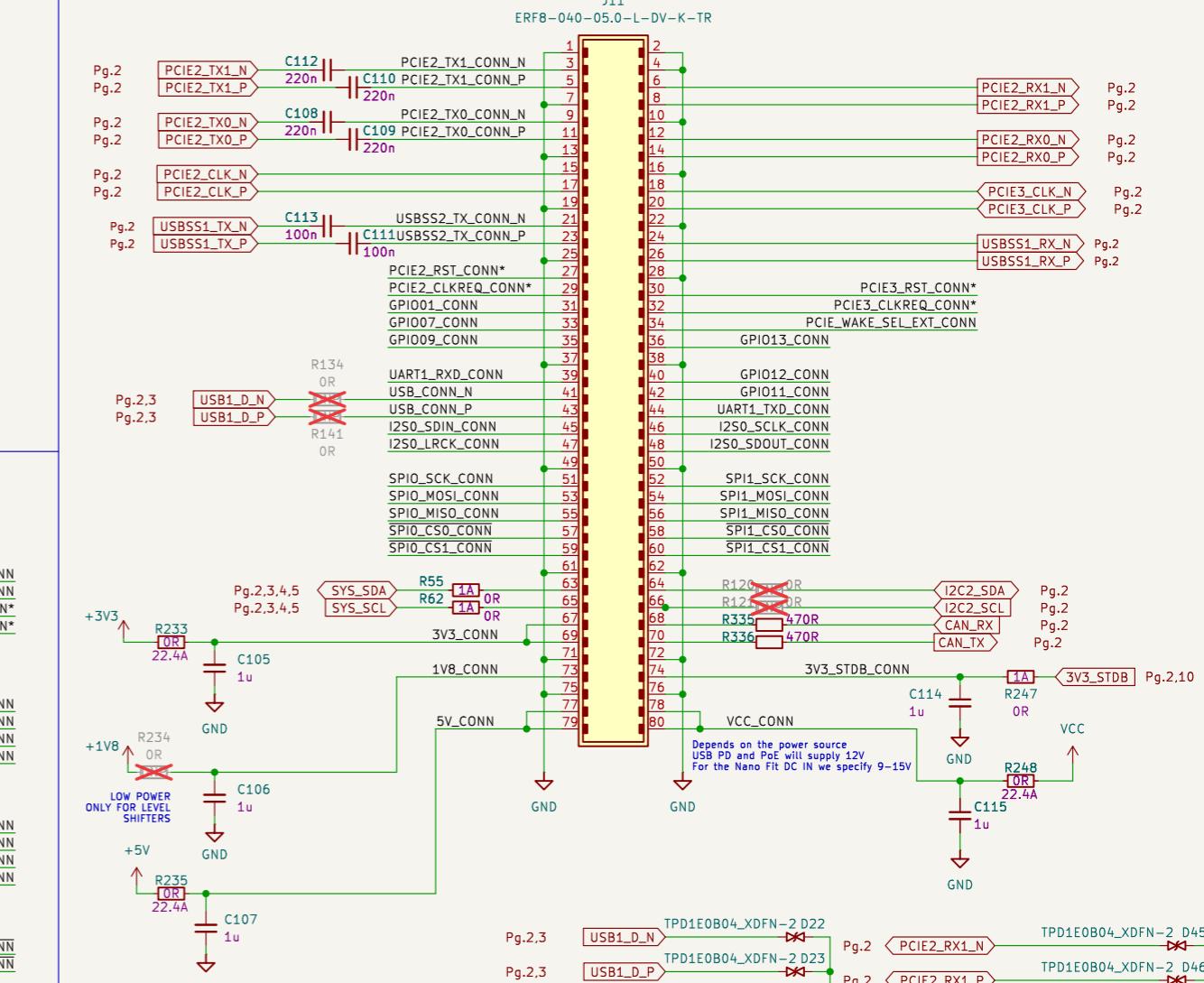
GPIO expander



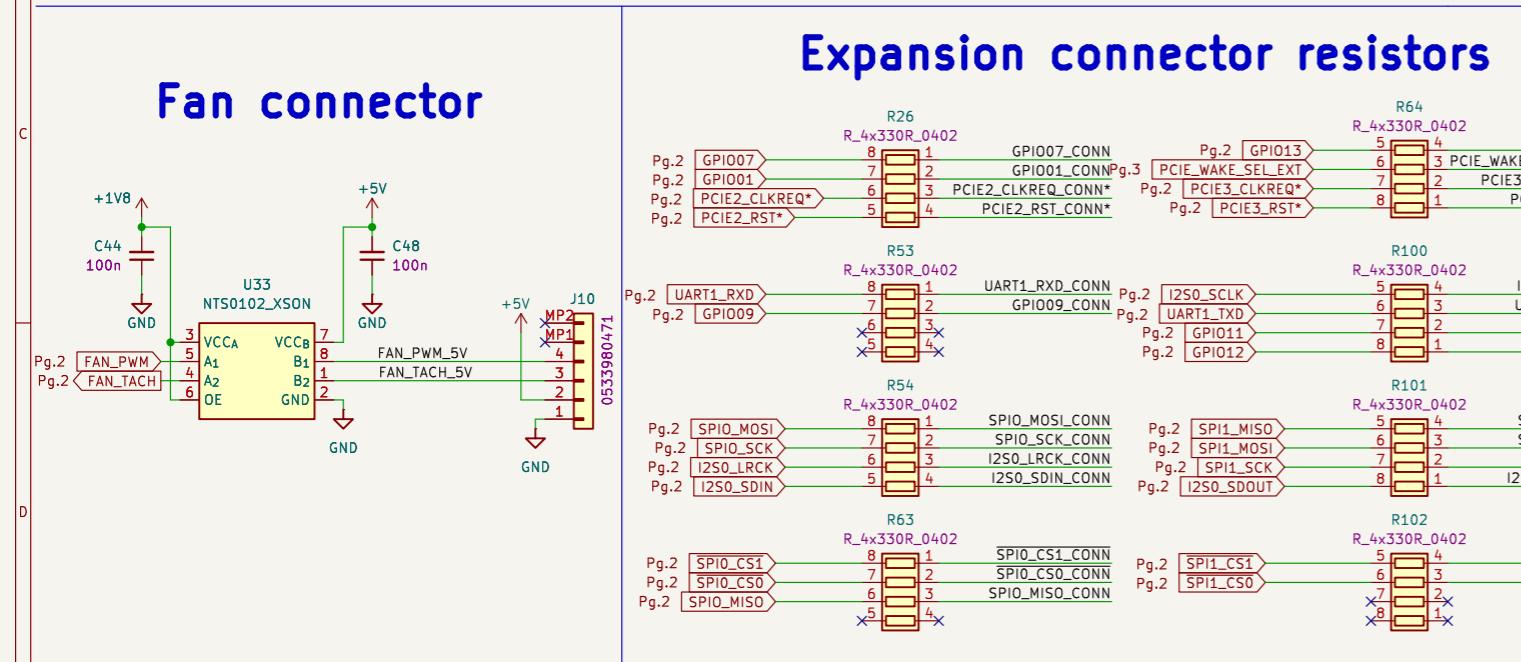
I2C connector



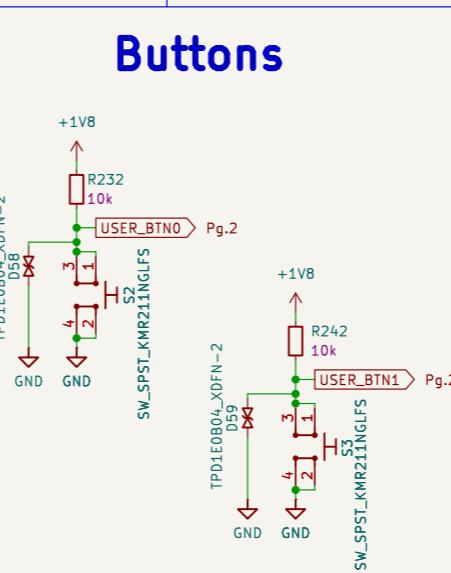
Expansion connector



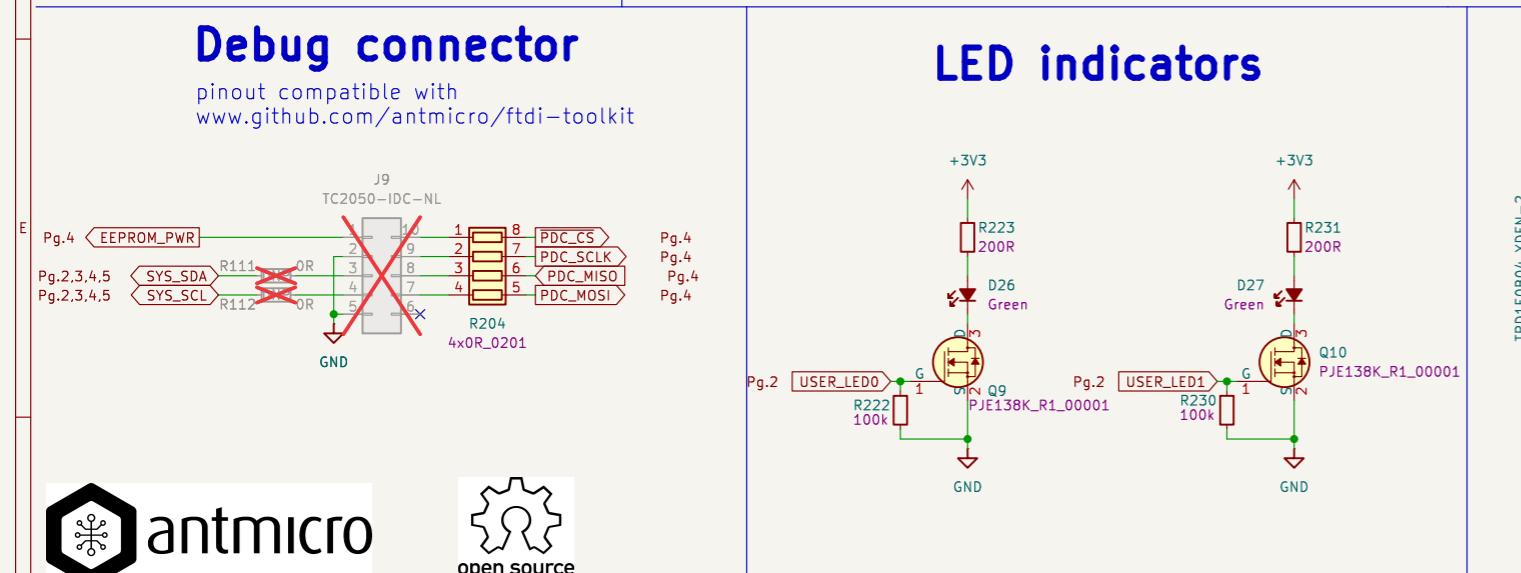
Fan connector



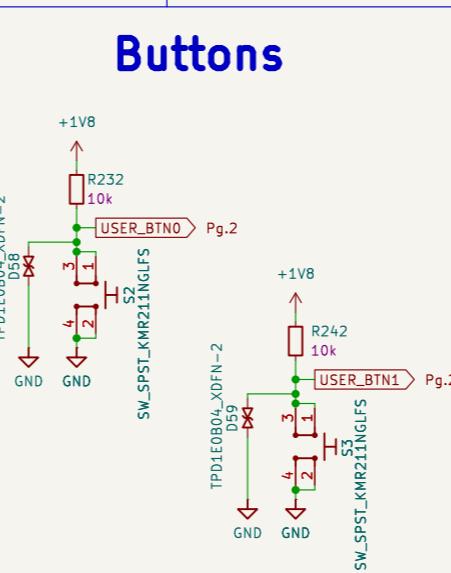
Expansion connector resistors



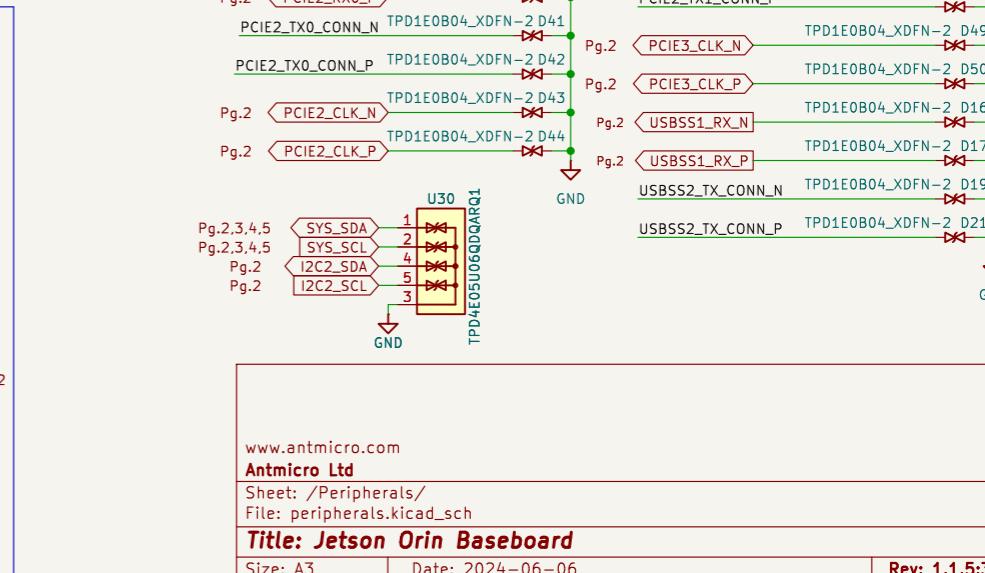
Debug connector



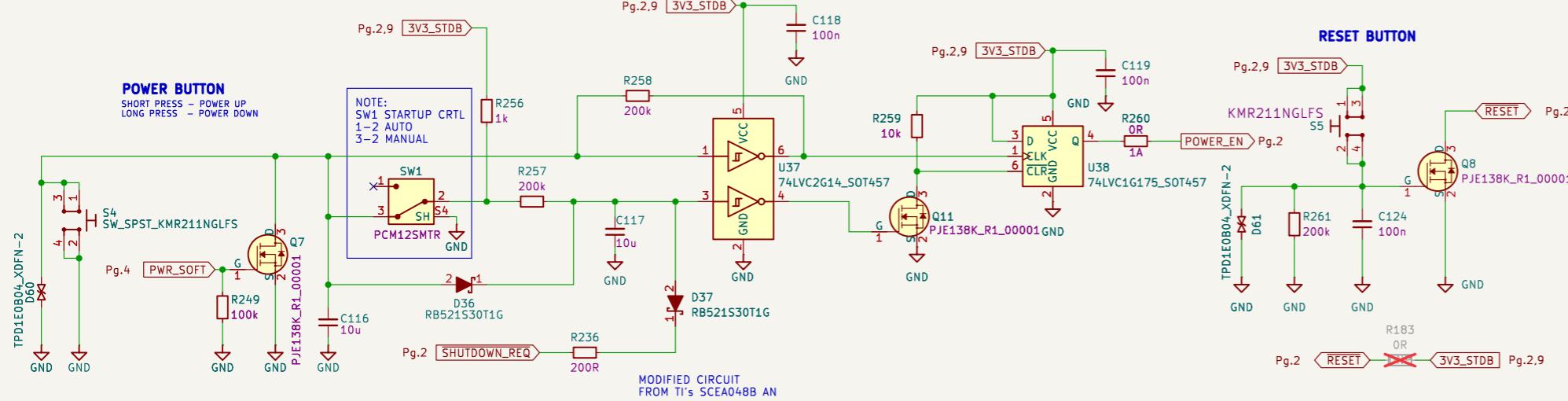
LED indicators



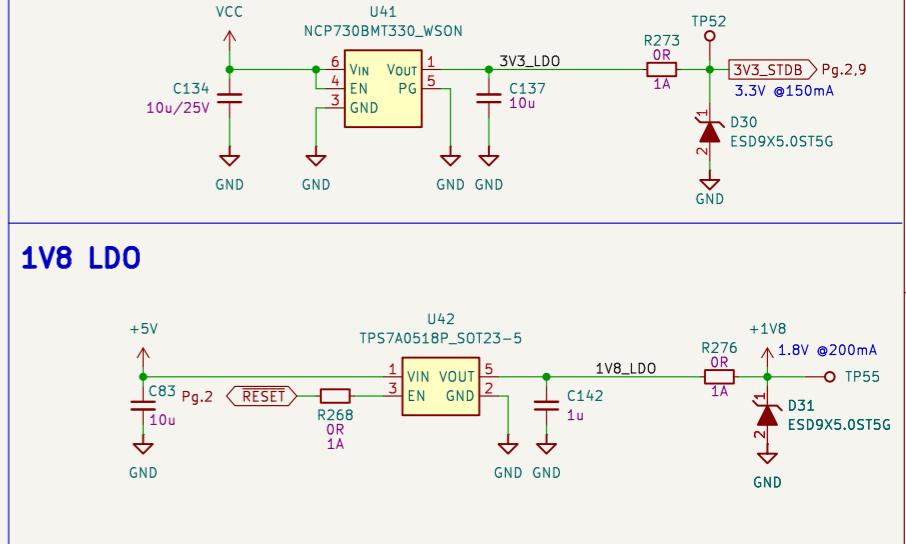
Buttons



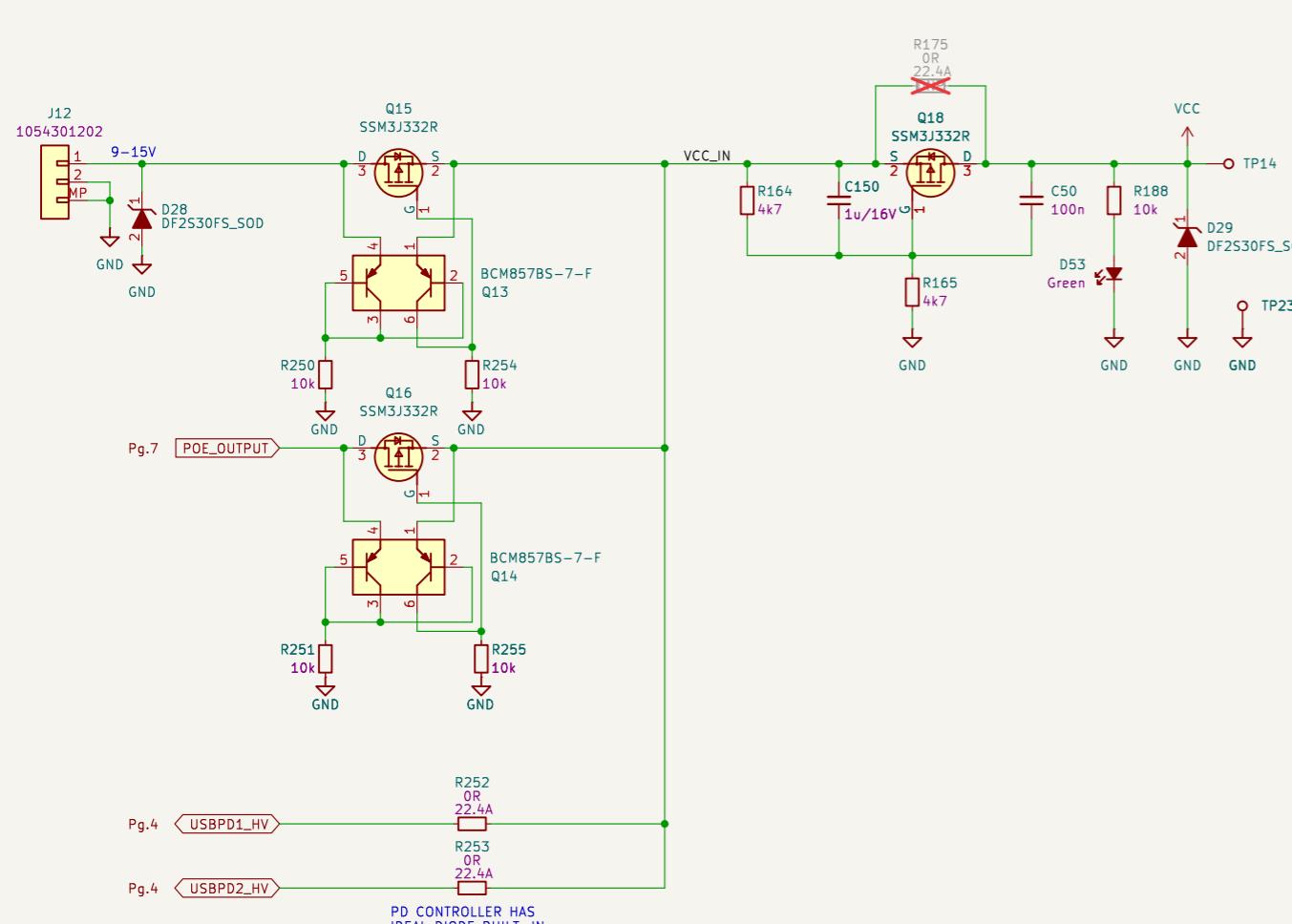
POWER-UP AND RESET CIRCUITRY



3V3 STANDBY LDO



INPUT SELECTOR AND SOFT START



5V DCDC

