

1 2 3 4 5 6 7 8

Jetson Orin Baseboard

github.com/antmicro/jetson-orin-baseboard

A

B

C

D

E

F

A

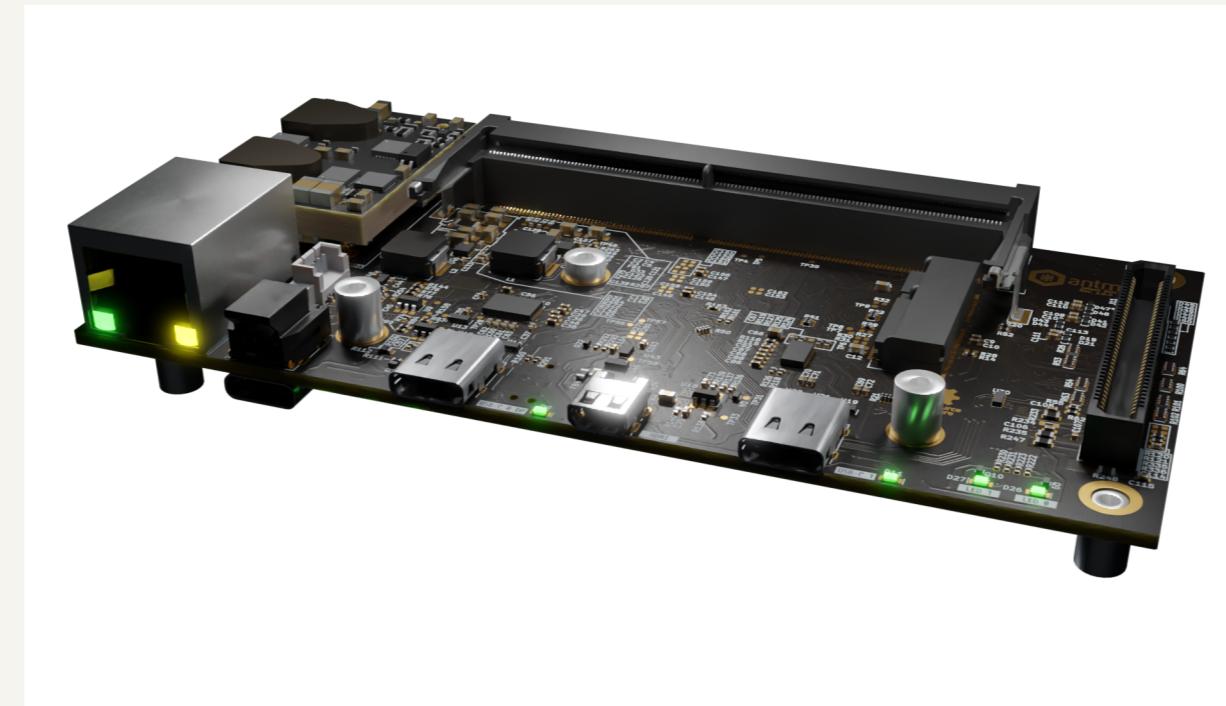
B

C

D

E

F



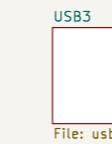
File: som.kicad_sch



File: m-2.kicad_sch



File: usb.kicad_sch



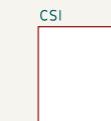
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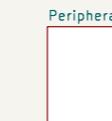
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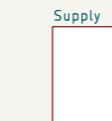
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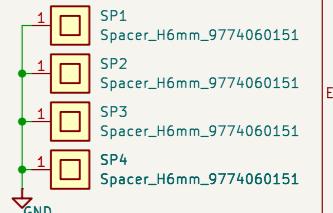
File: csi.kicad_sch



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: 2024-01-05

KiCad E.D.A. kicad-cli 7.0.11

Rev: 1.1.2:49565

Id: 1/10

1

2

3

4

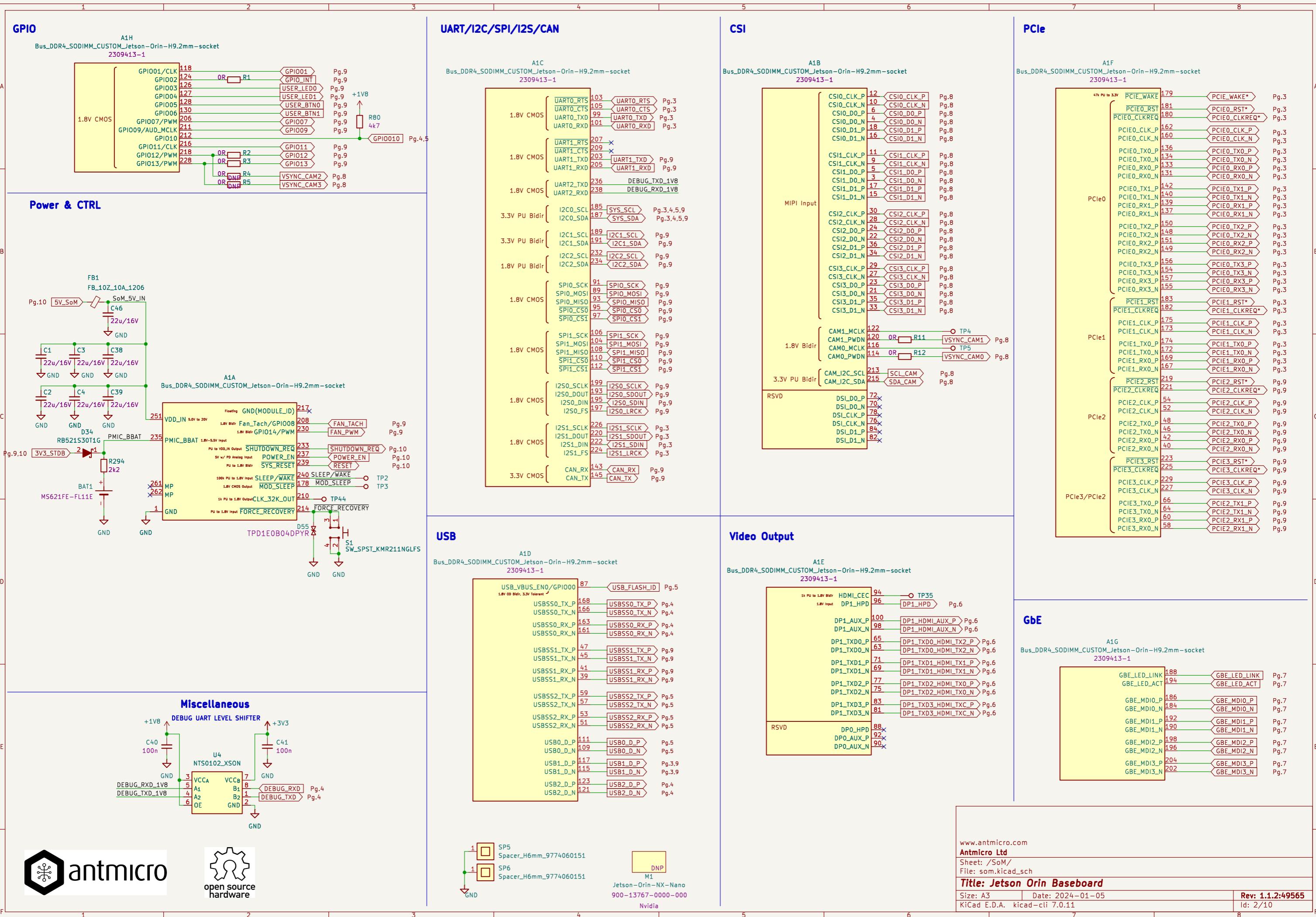
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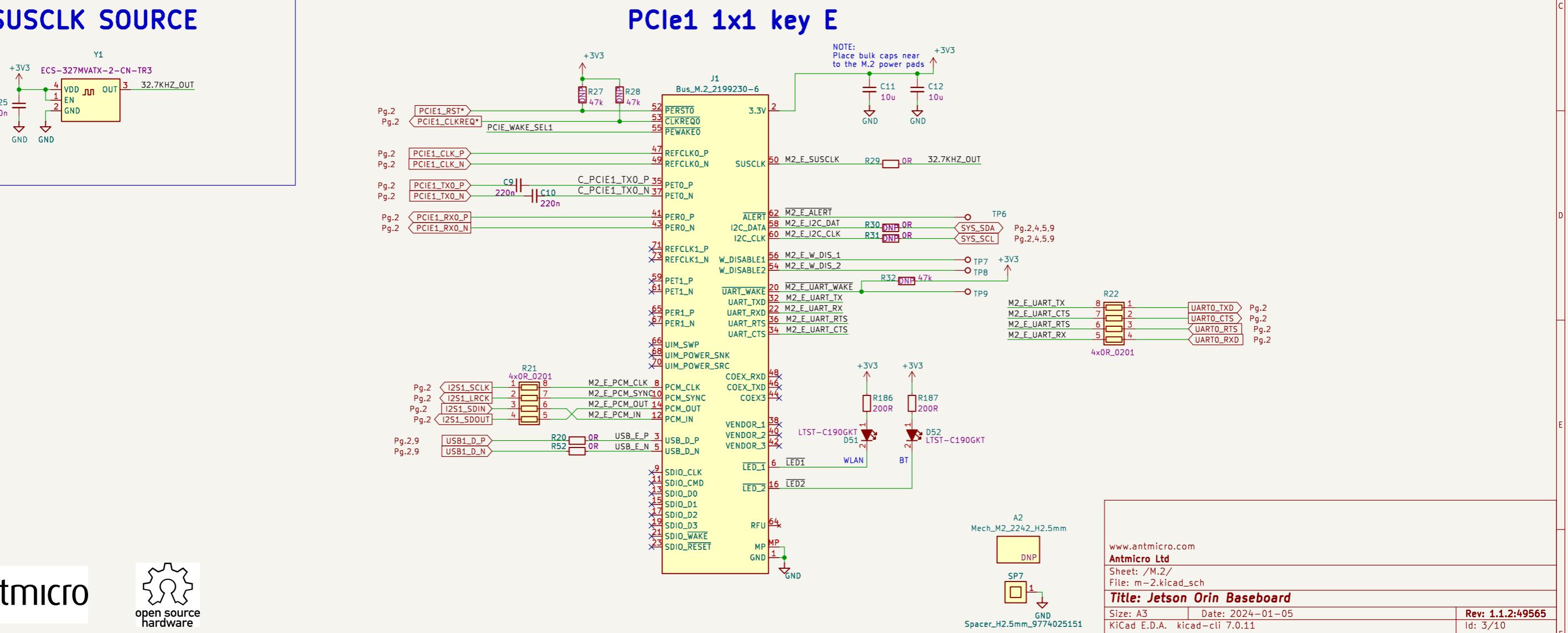
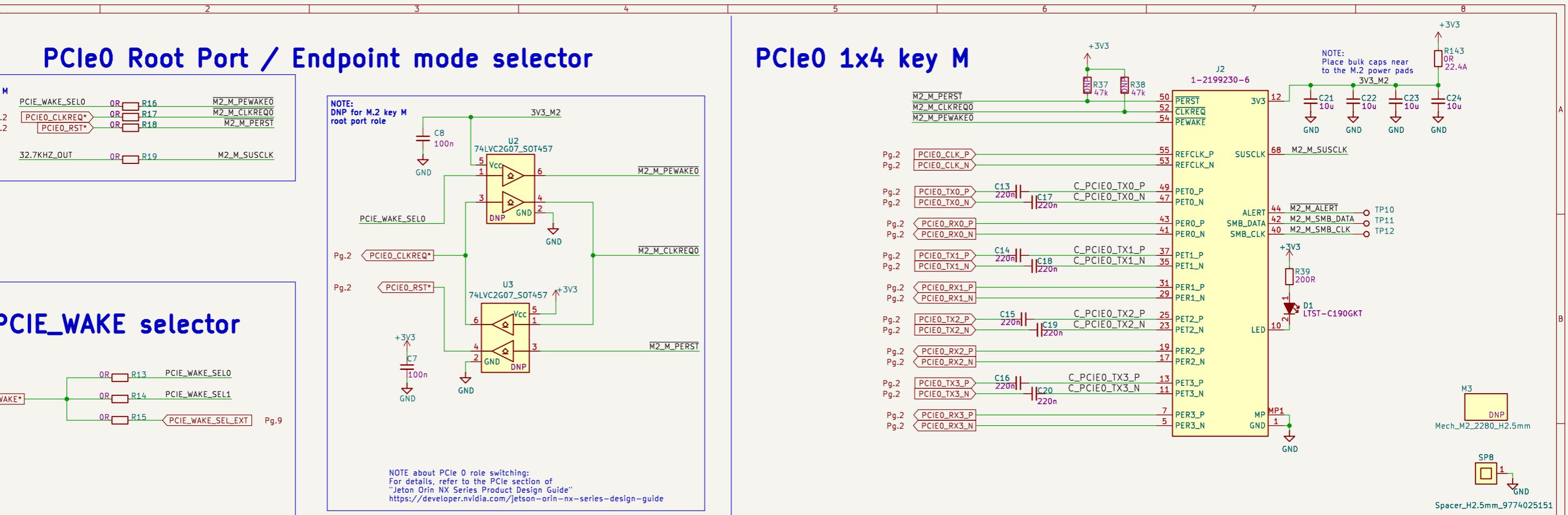
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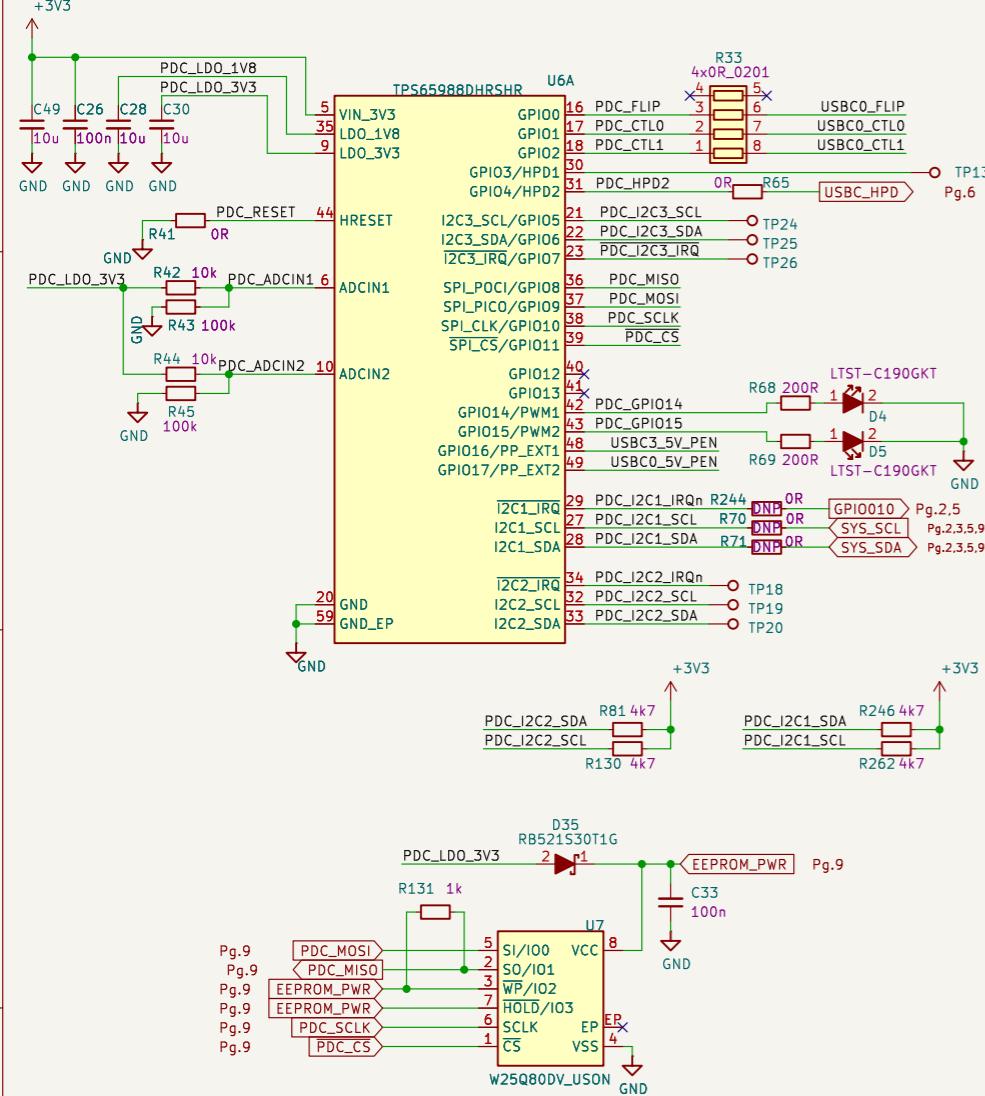
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F



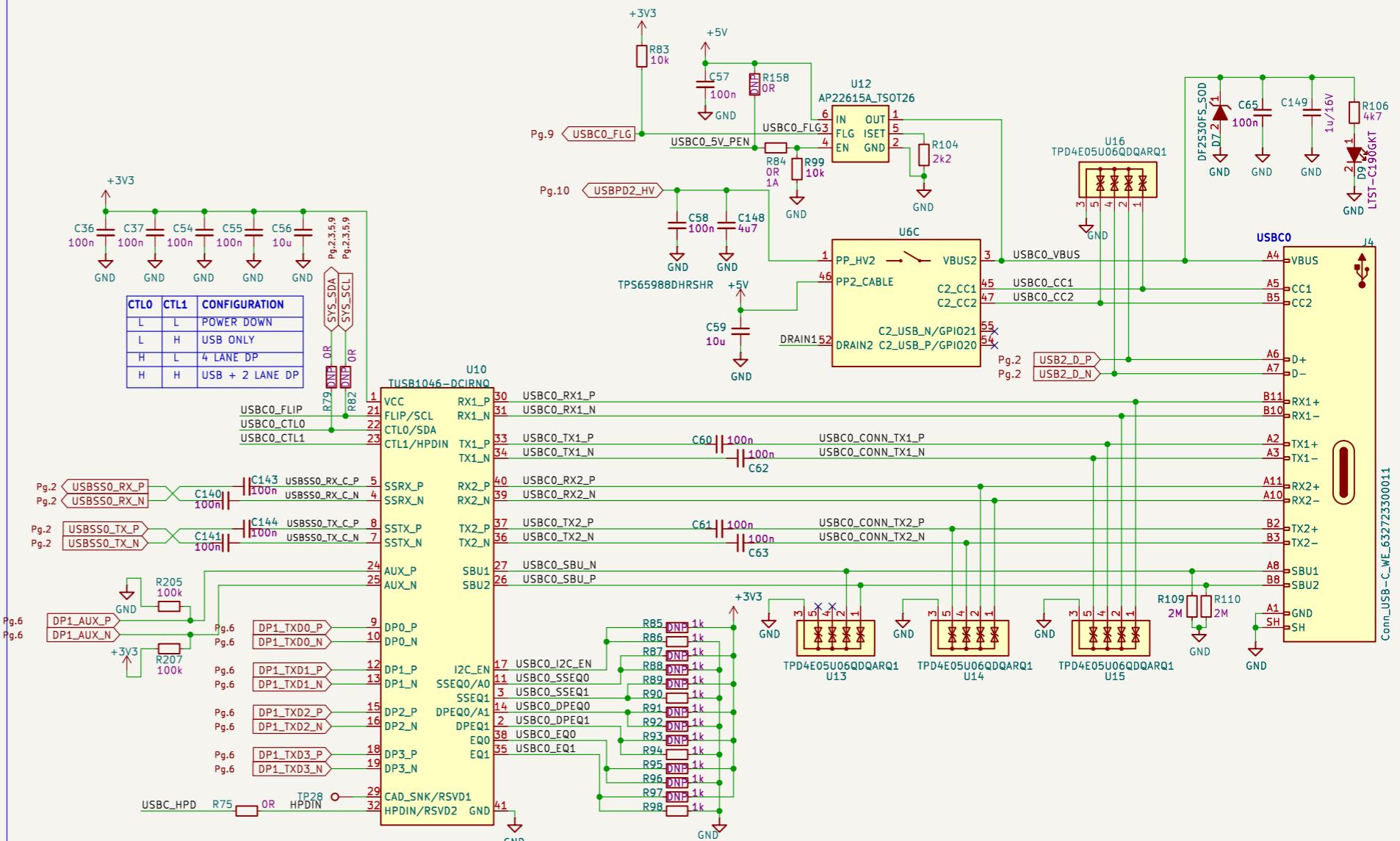


USB PD Controller

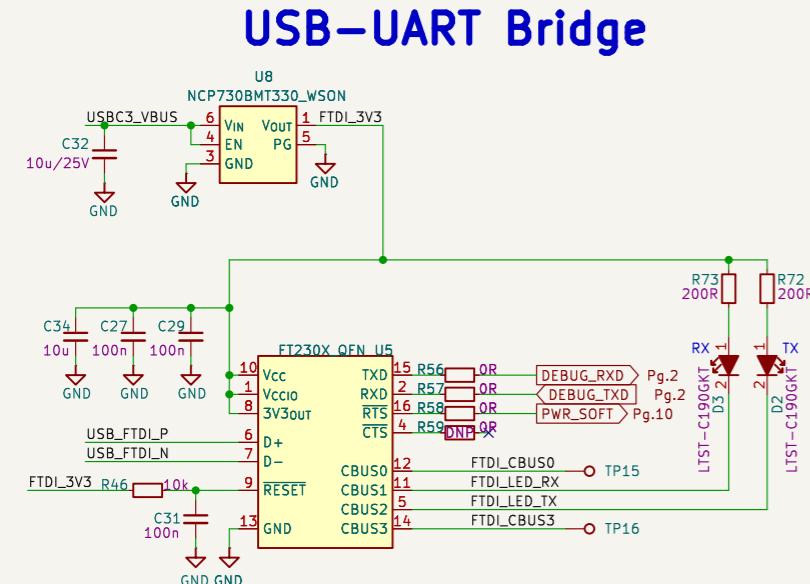


USB-C 0 Display Port alt mode

USB-PD Source/Sink

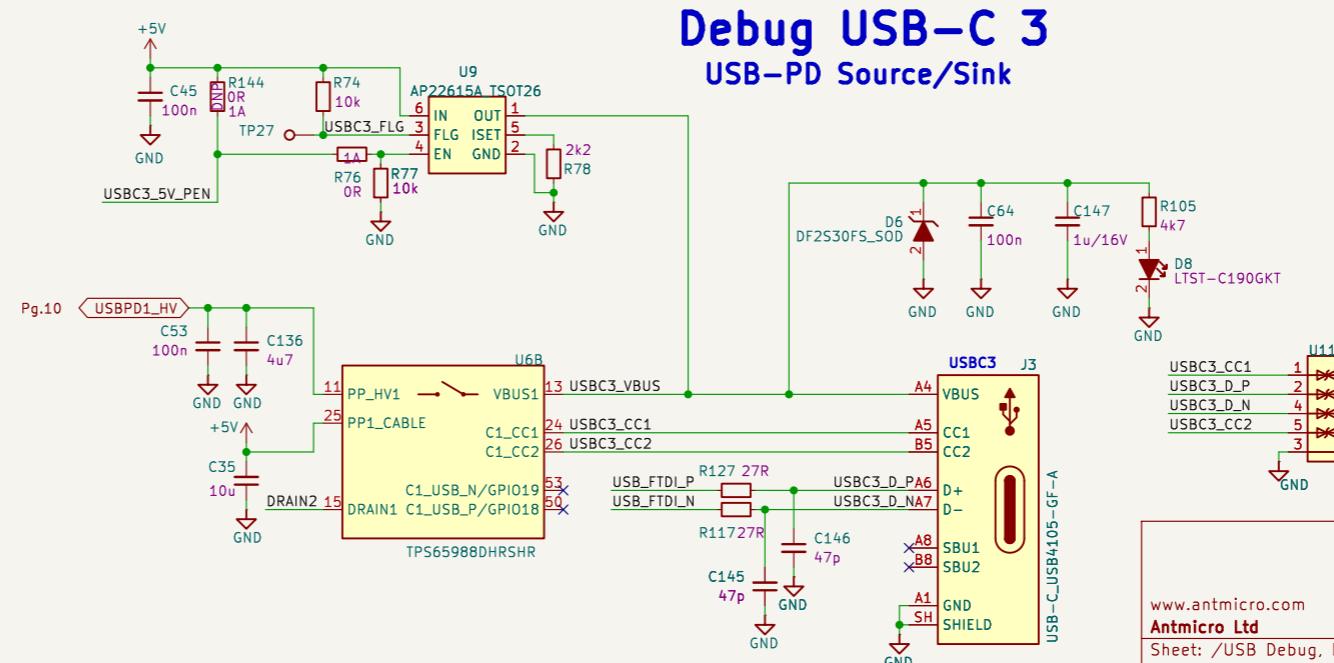


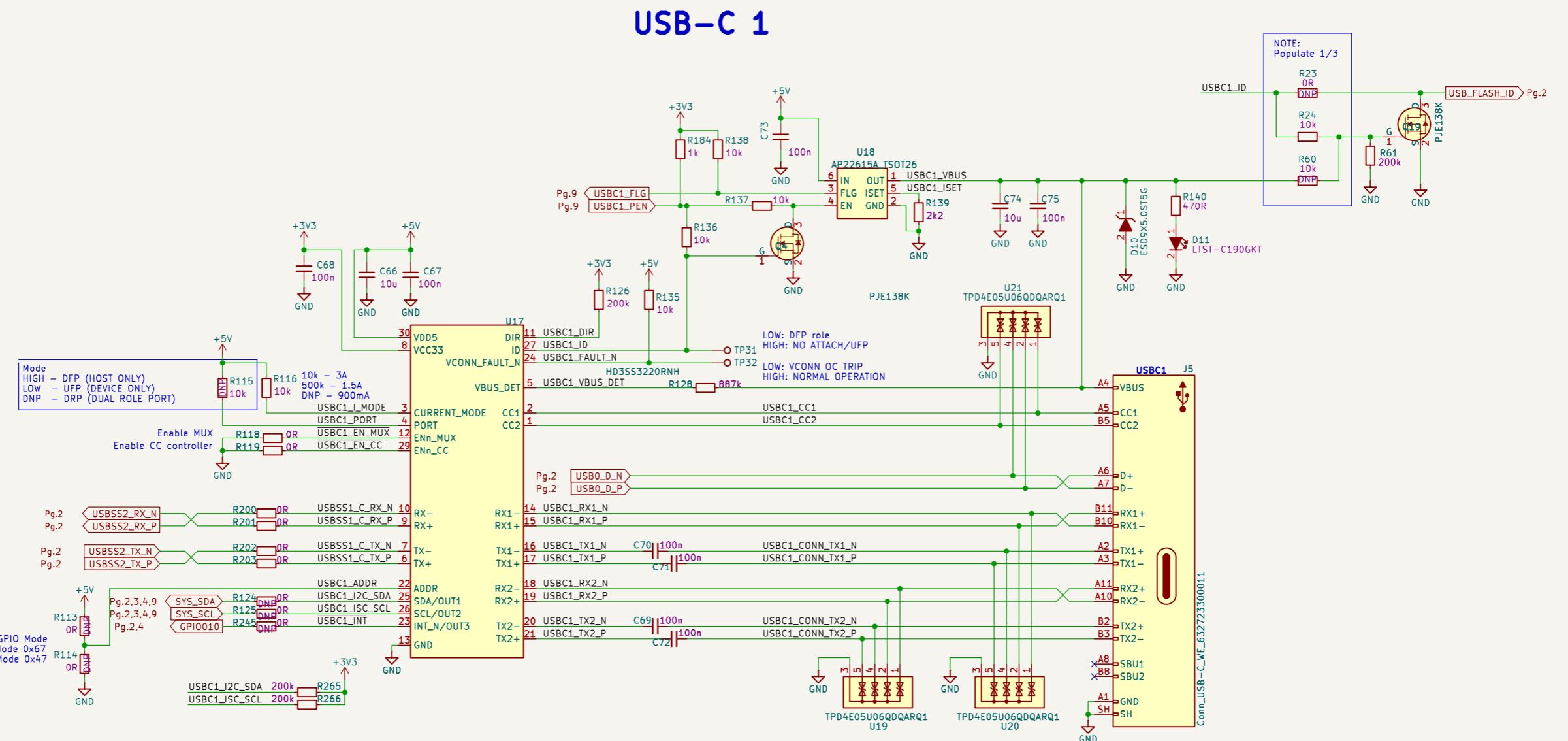
USB–UART Bridge

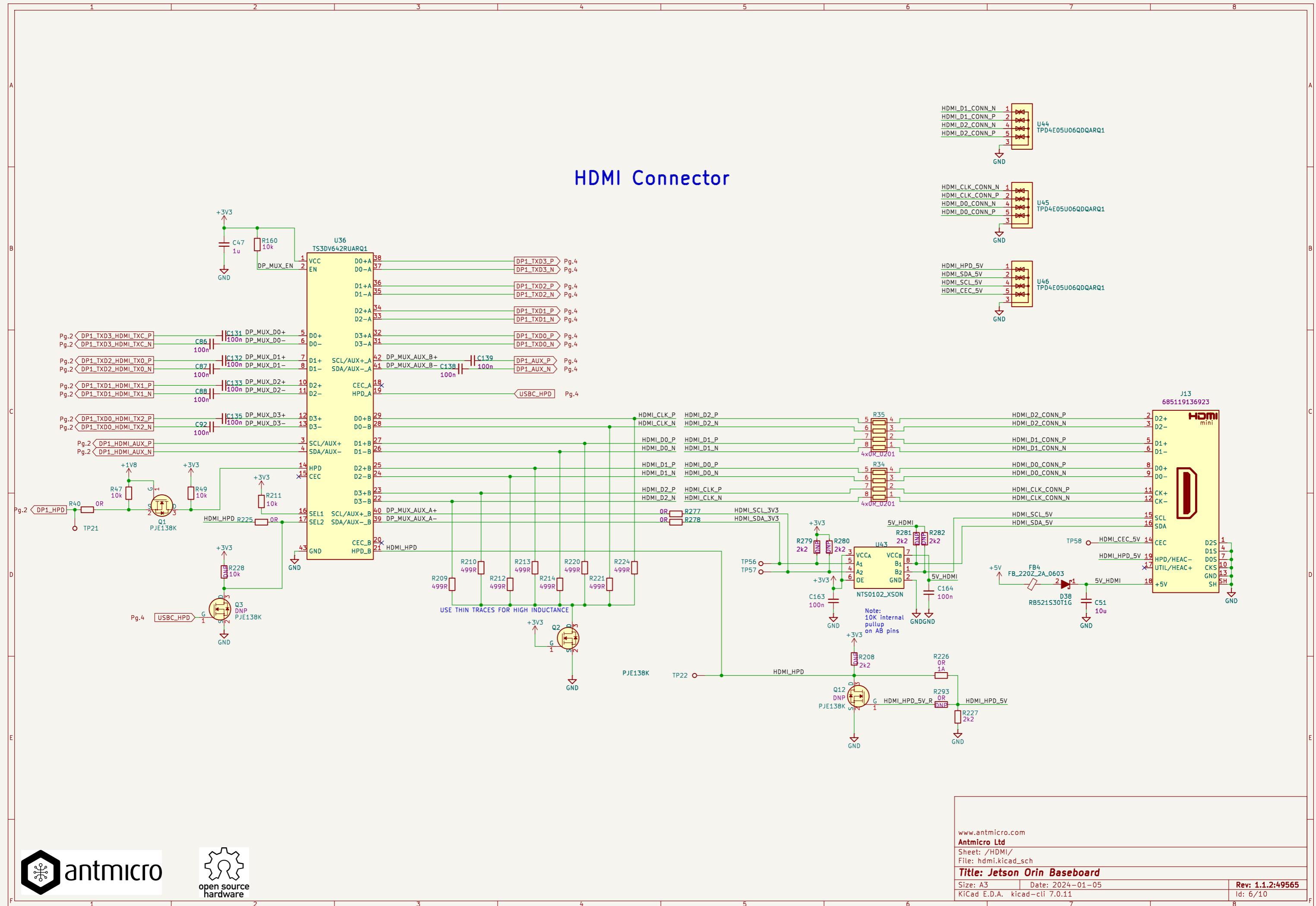


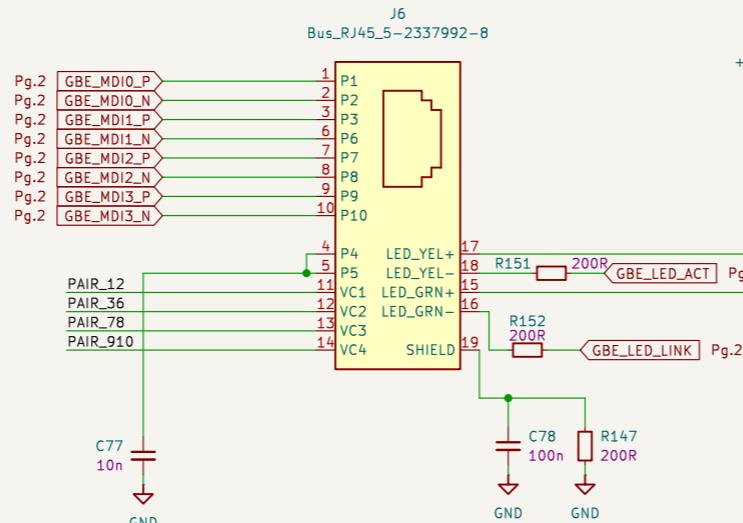
Debug USB-C 3

USB-PD Source/Sink

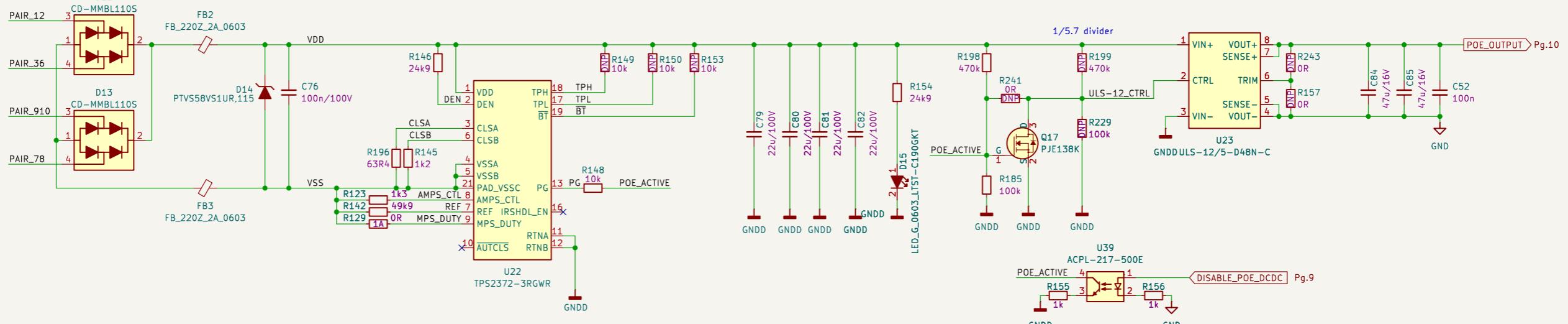




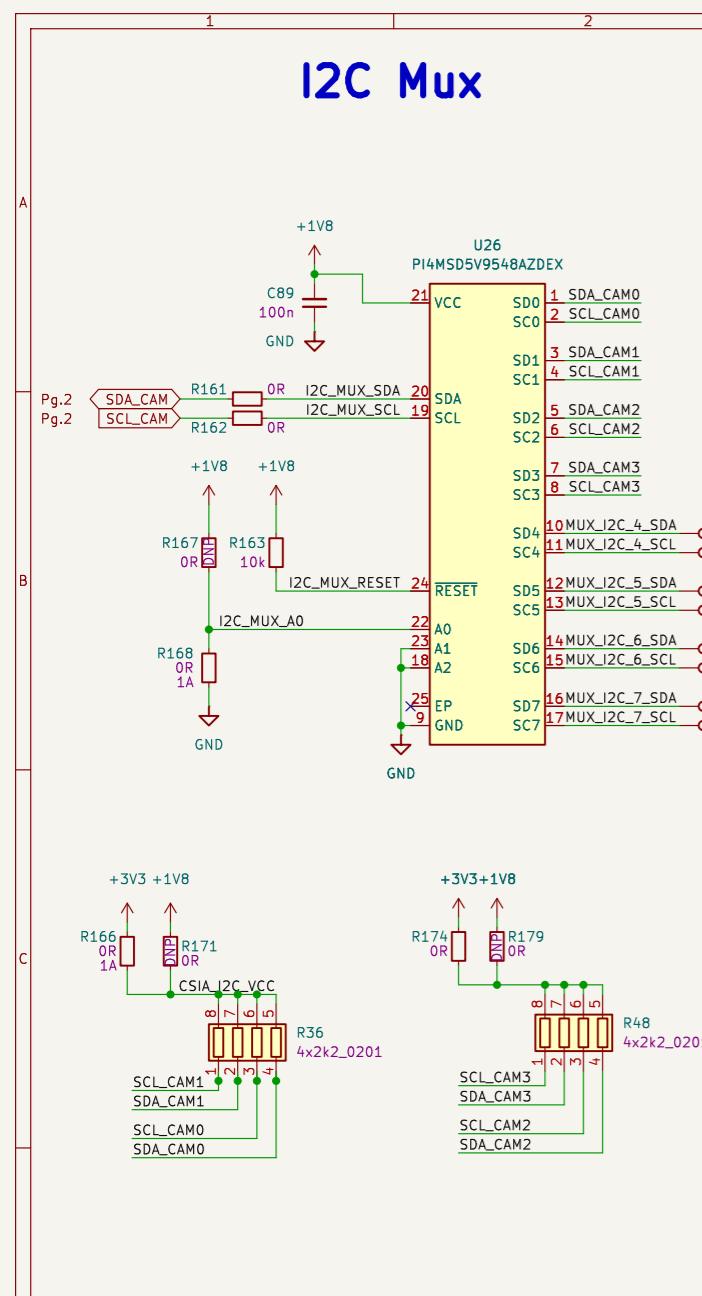




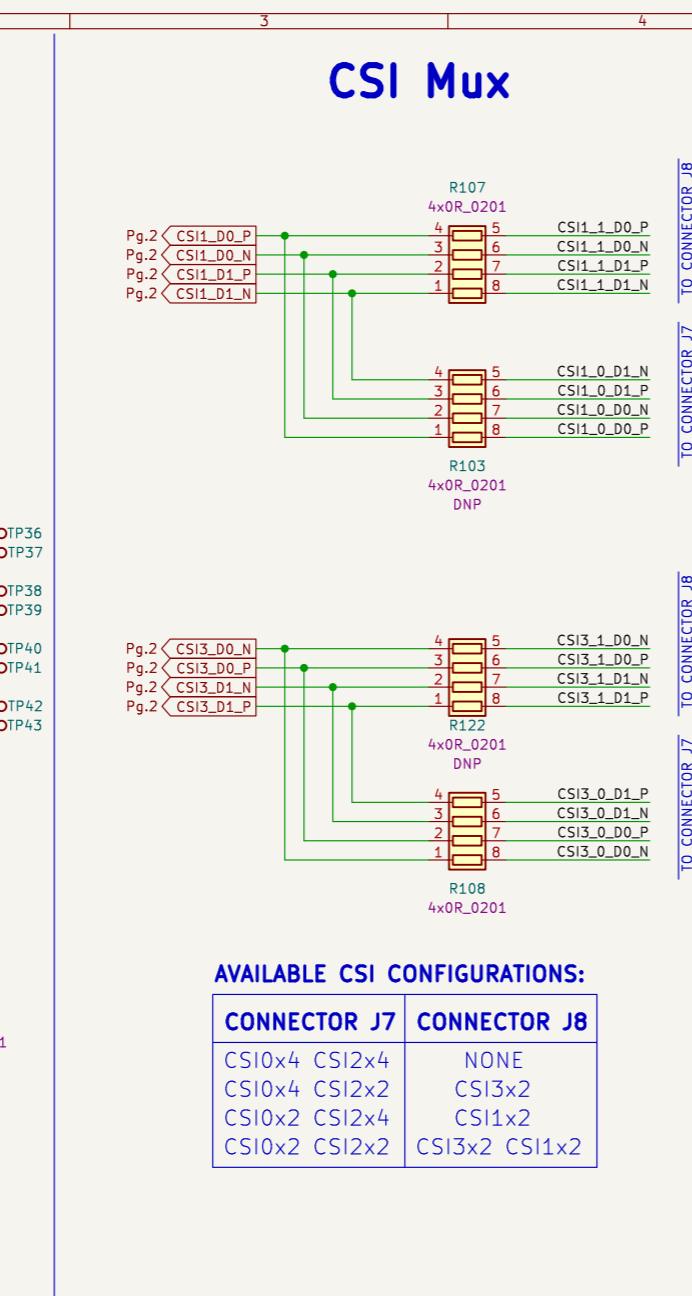
Power over Ethernet



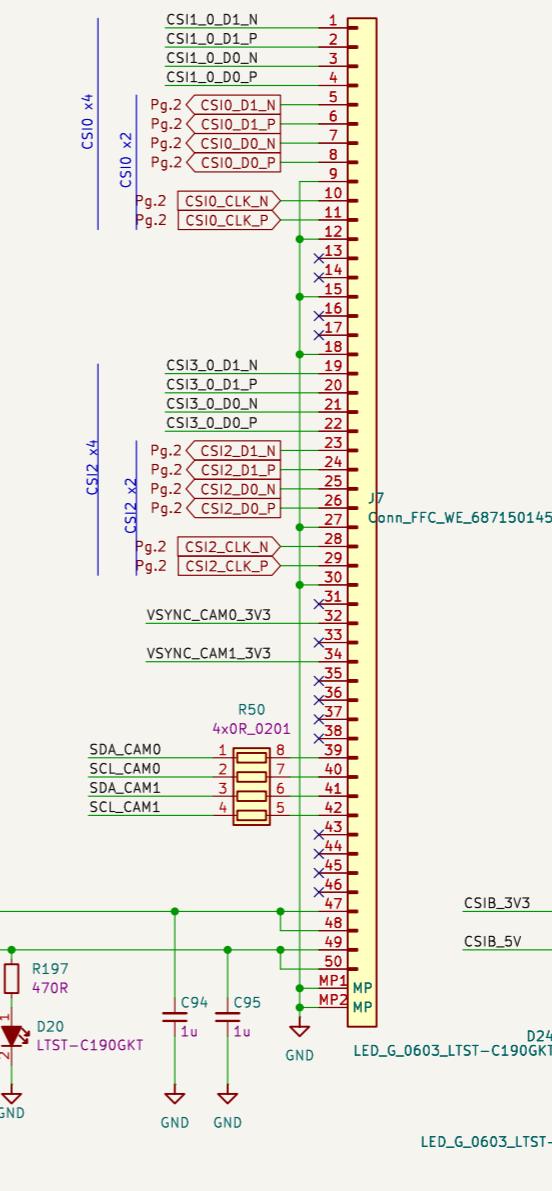
I2C Mux



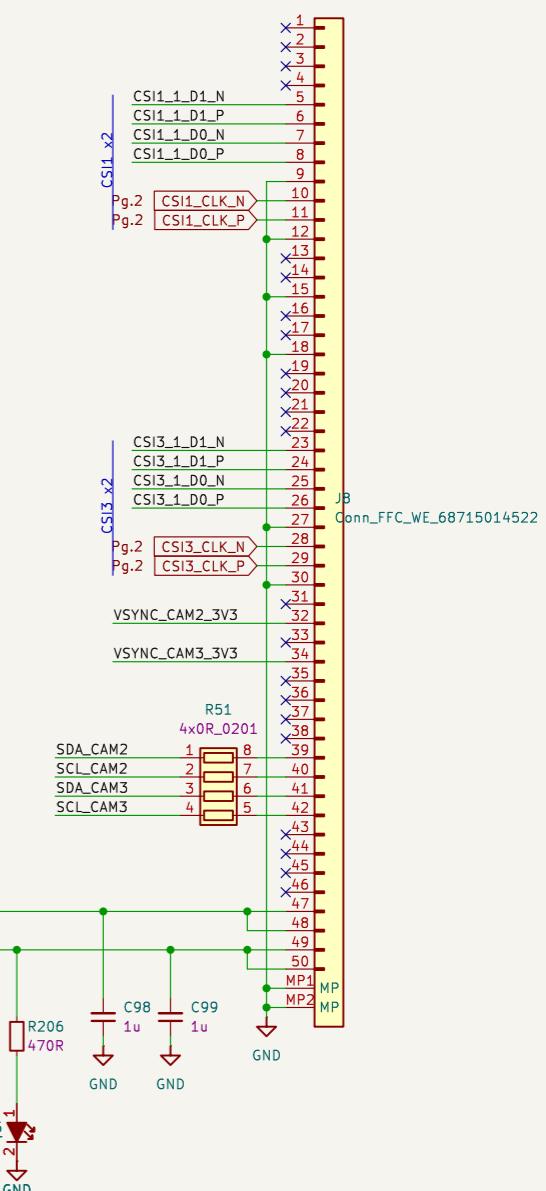
CSI Mux



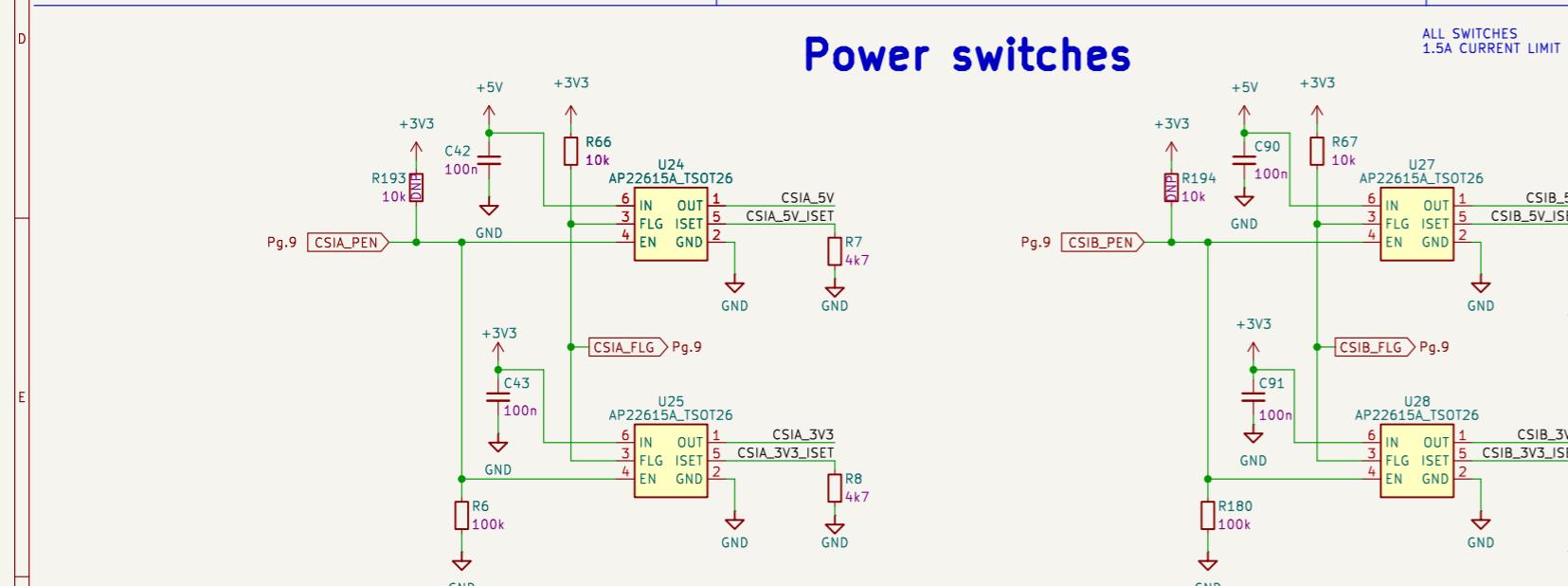
CSI connector J7



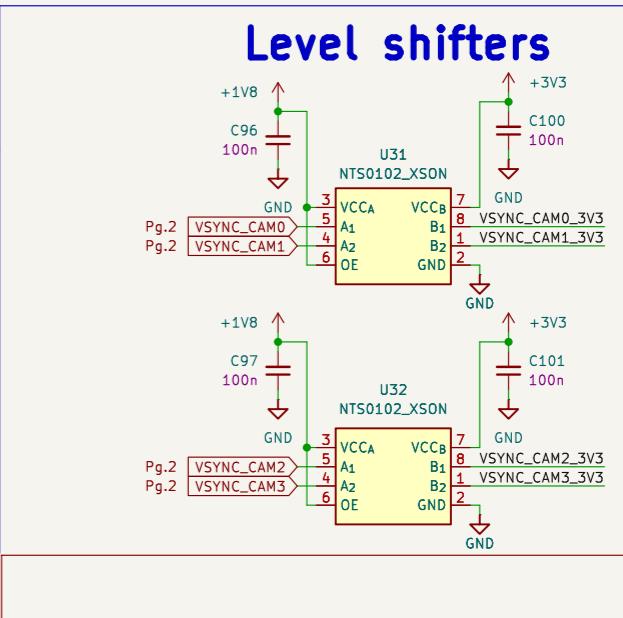
CSI connector J8



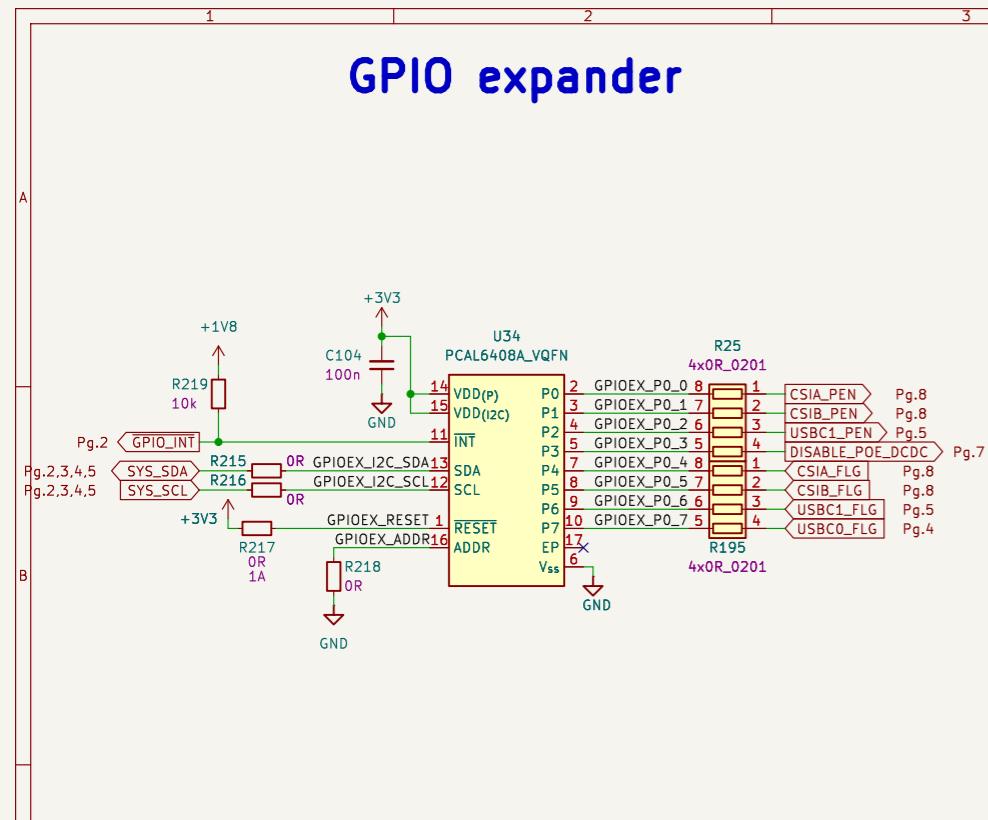
Power switches



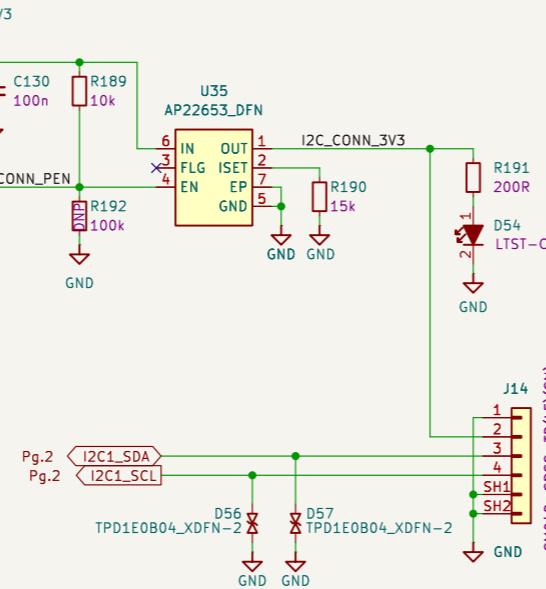
Level shifters



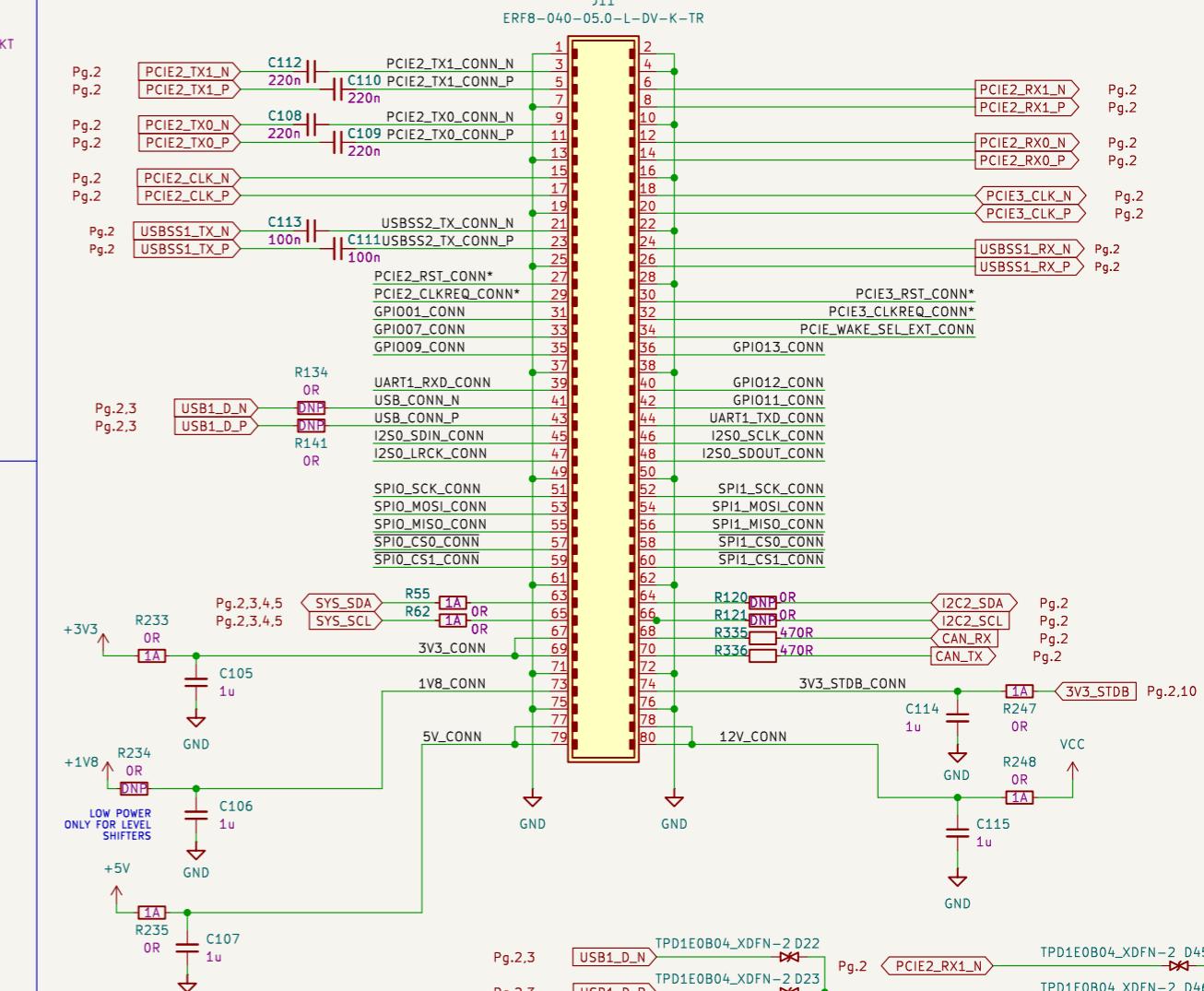
GPIO expander



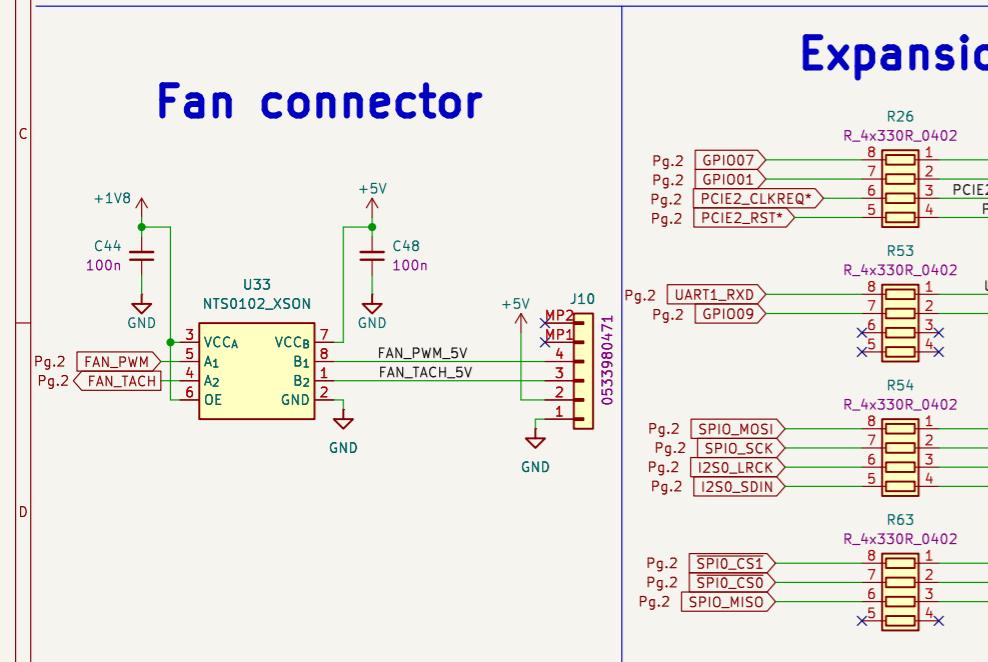
I2C connector



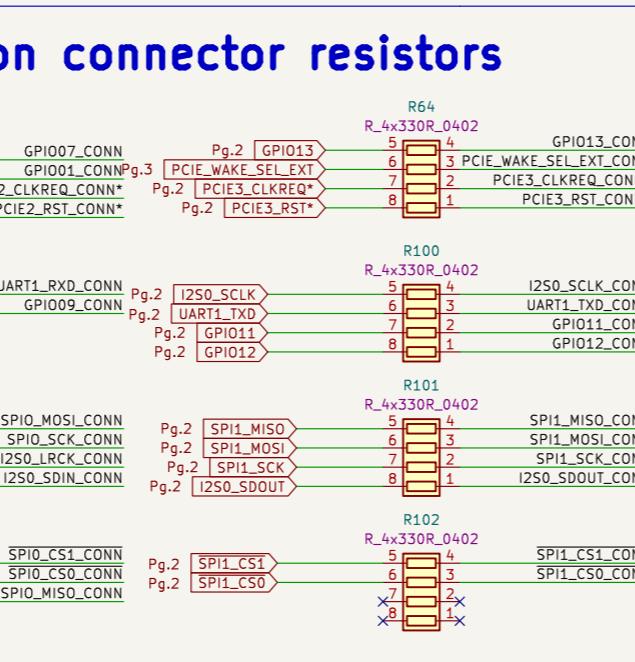
Expansion connector



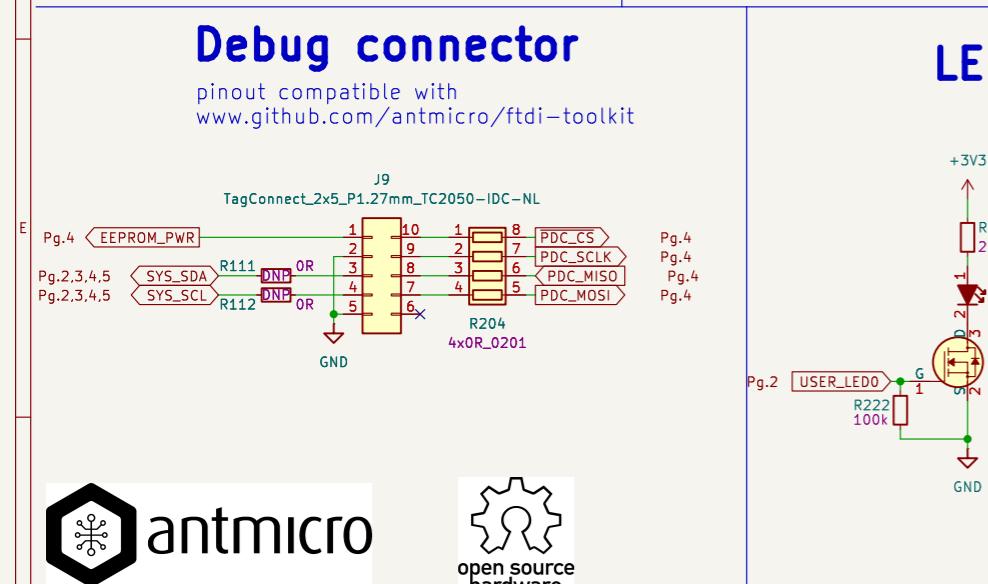
Fan connector



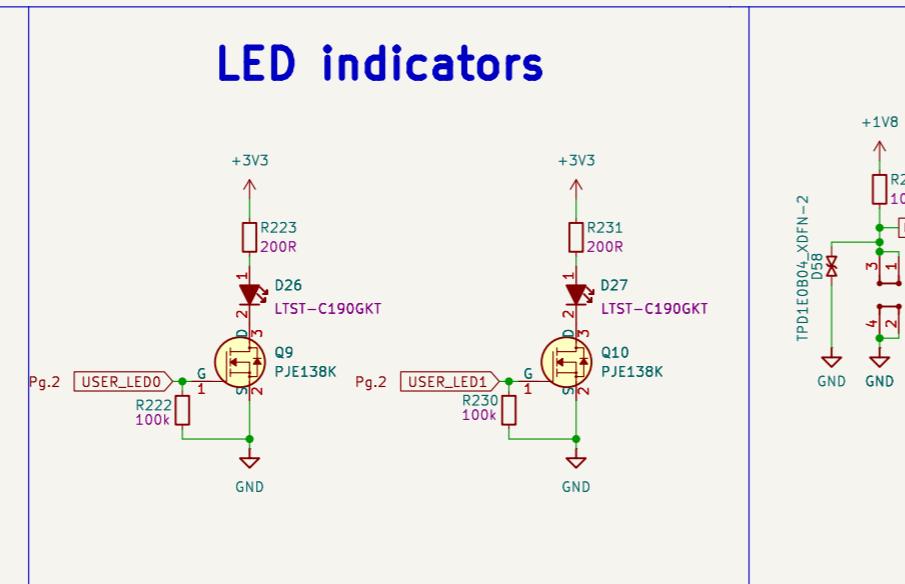
Expansion connector resistors



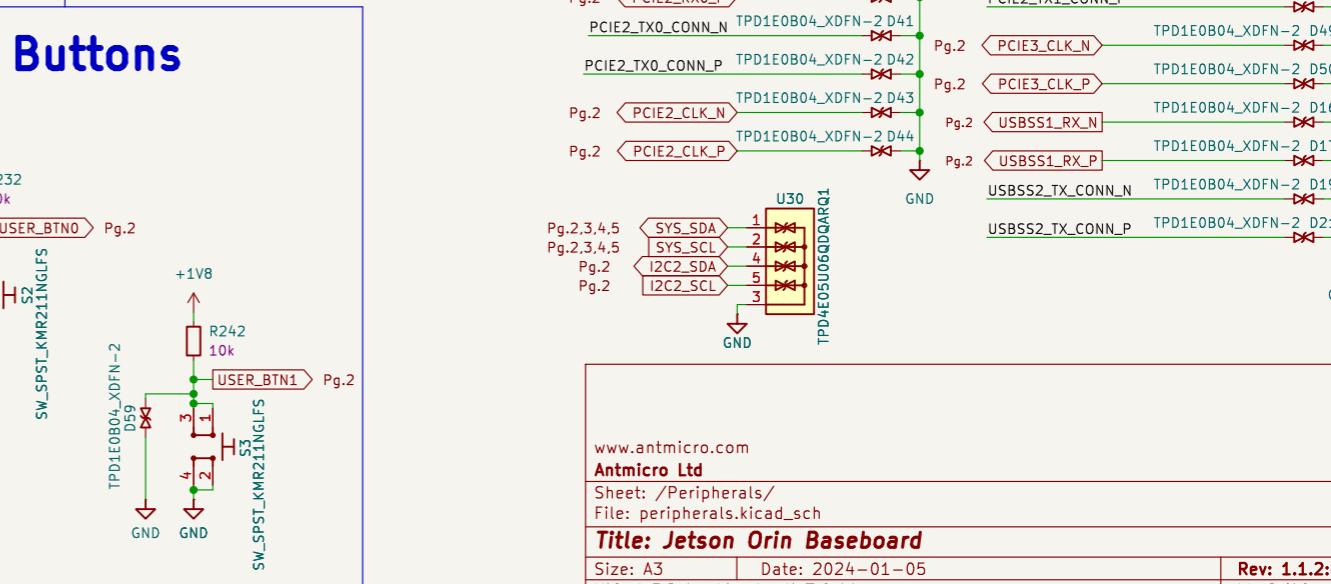
Debug connector



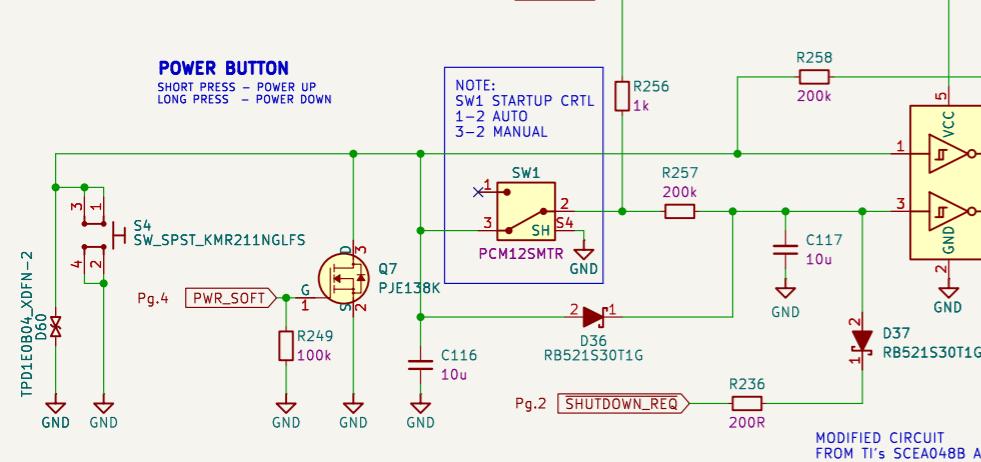
LED indicators



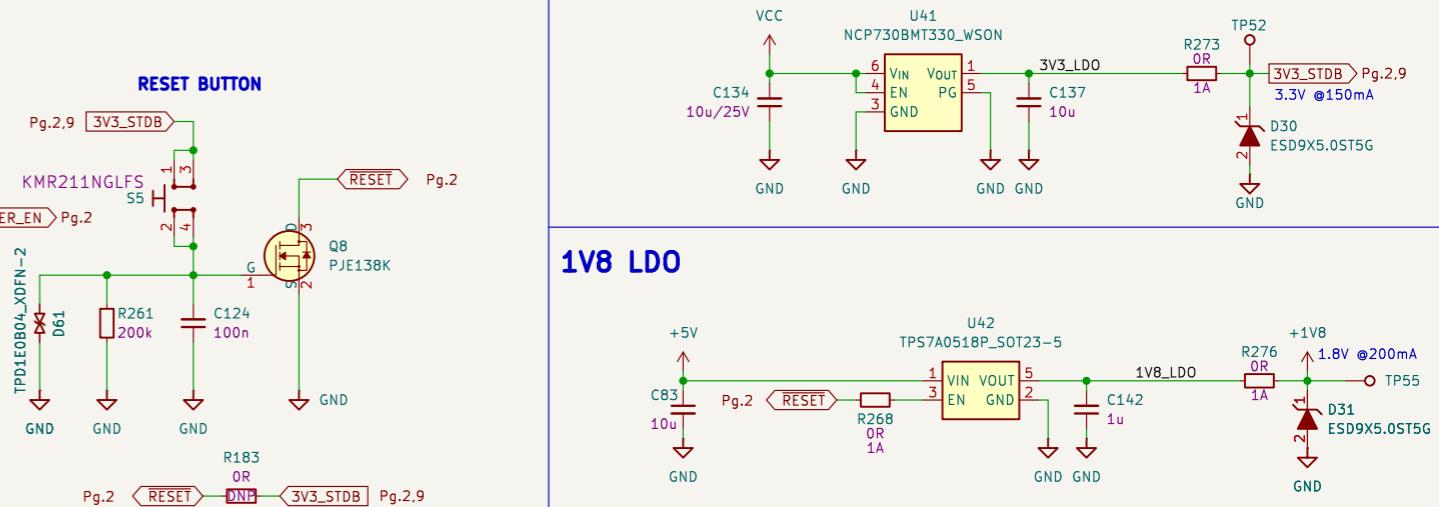
Buttons



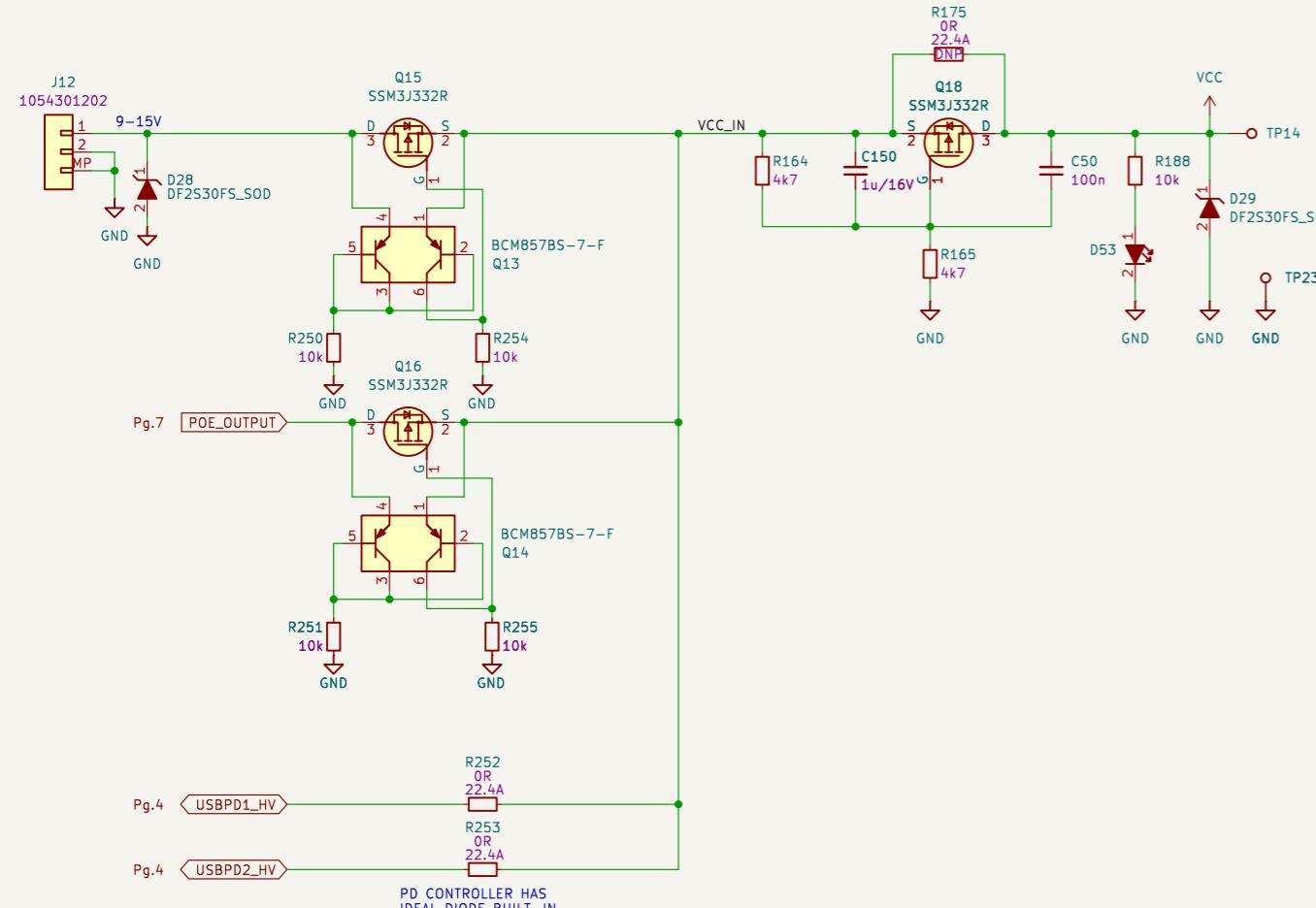
POWER-UP AND RESET CIRCUITY



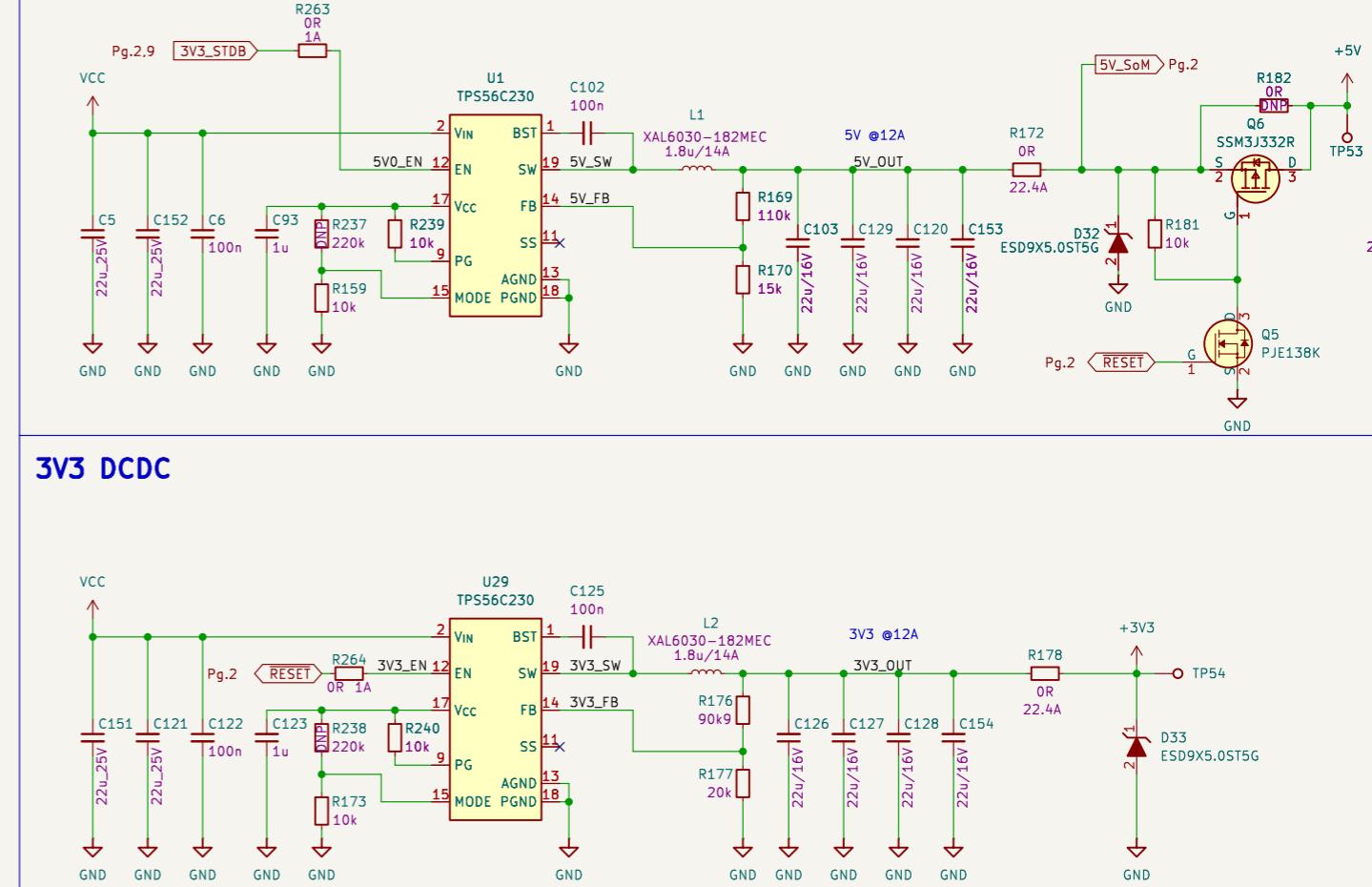
3V3 STANDBY LDO



INPUT SELECTOR AND SOFT START



5V DCDC



3V3 DCDC

