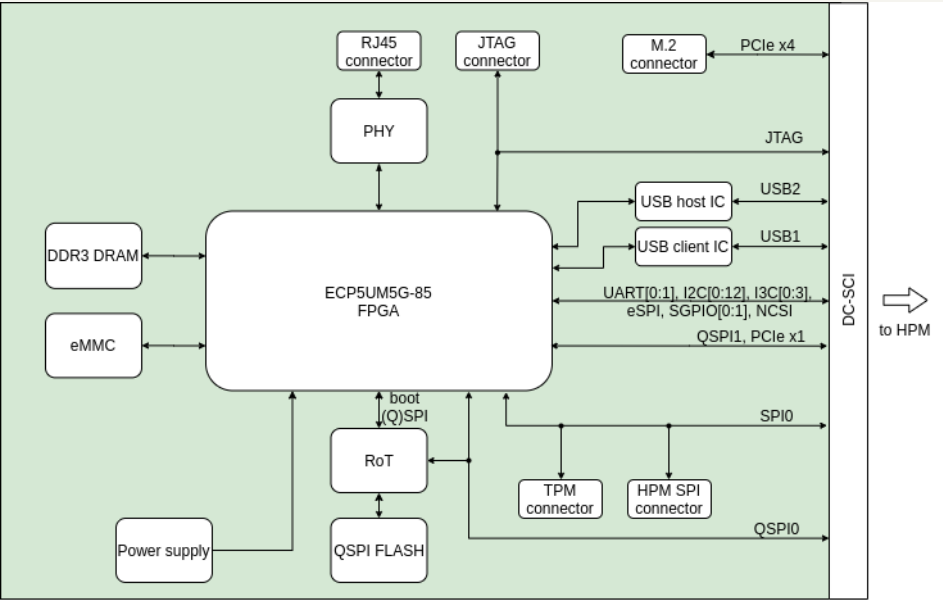
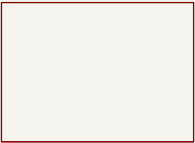


ECP5– Datacenter Secure Control Module (DC–SCM)

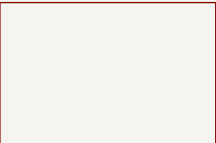


Ethernet



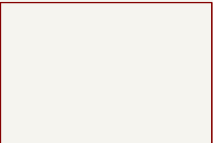
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PCIe–connector



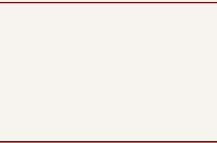
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RoT



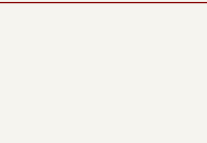
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Edge connector



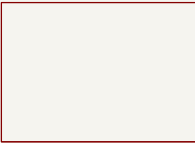
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Interfaces



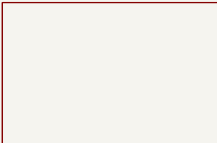
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DDR3



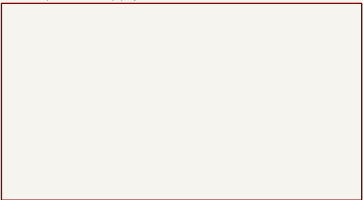
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Power supply



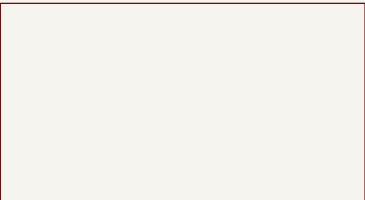
File: power–supply.kicad_sch

FPGA power supply



File: fpga–power–supply.kicad_sch

FPGA banks



File: fpga–banks.kicad_sch

Logo N2
oshw_logo

Logo N1
antmicro_logo

Antmicro

Sheet: /

File: ecp5–dc–scm.kicad_sch

Title: ECP5 – Datacenter Secure Control Module (DC–SCM)

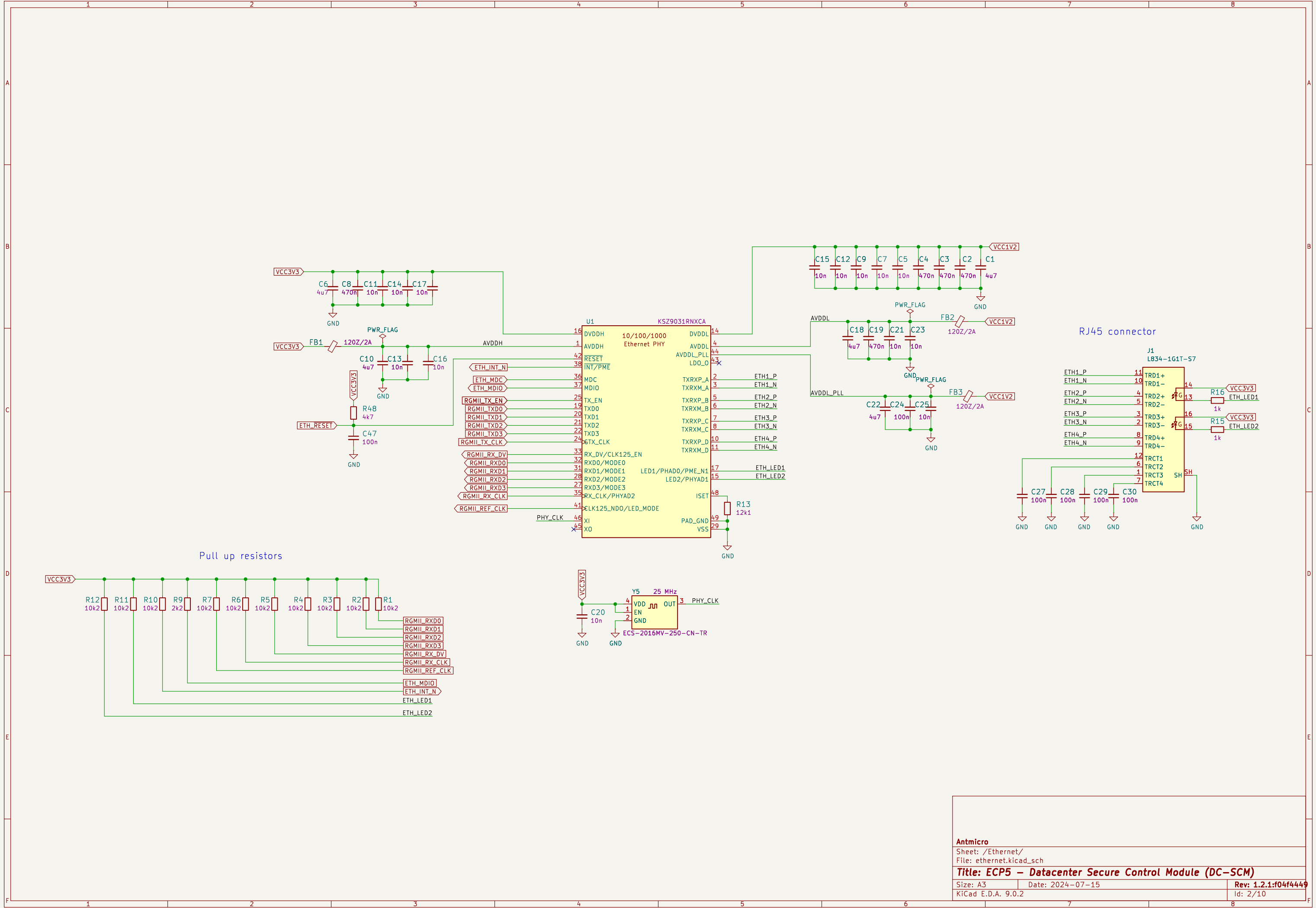
Size: A4

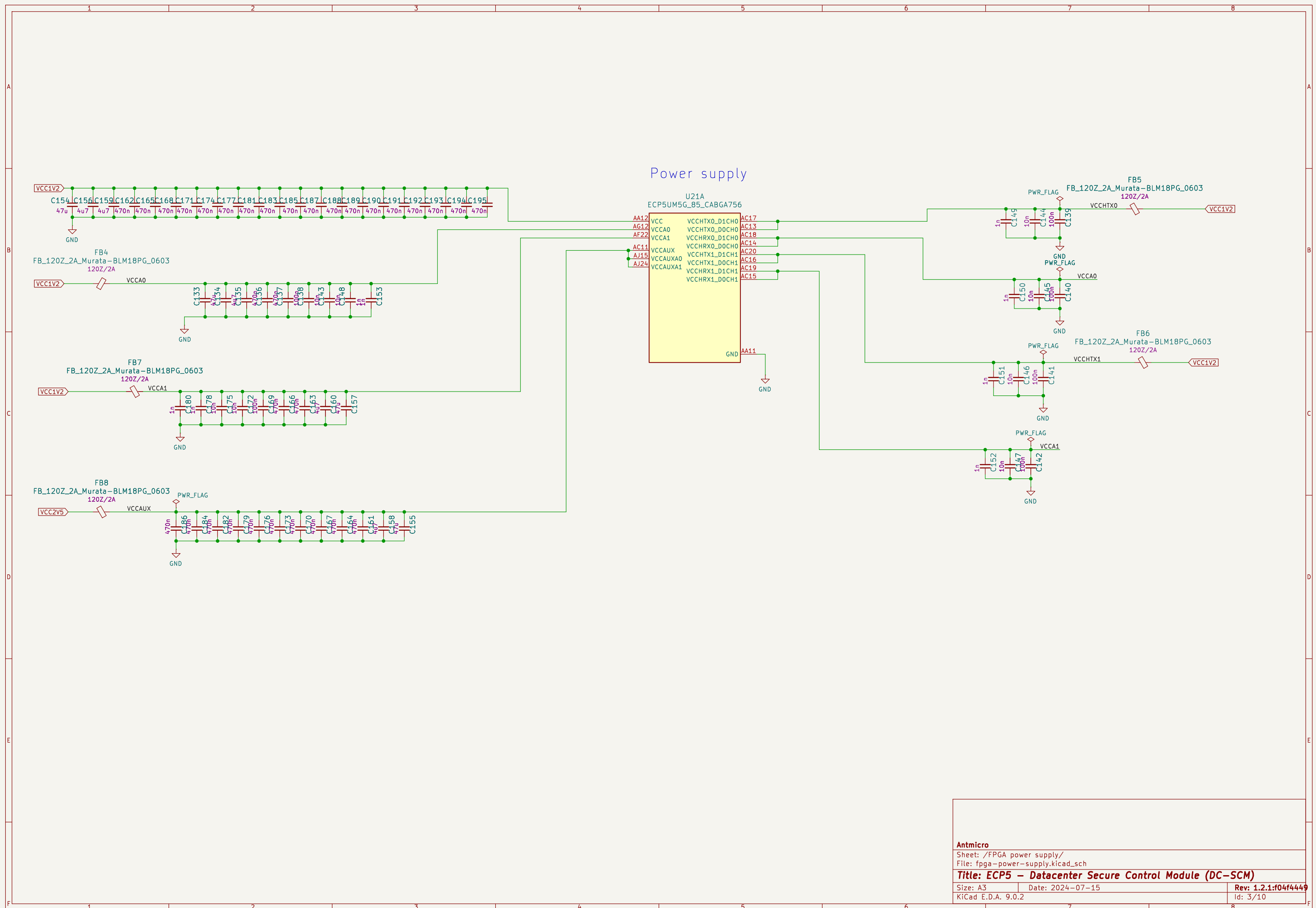
Date: 2024–07–15

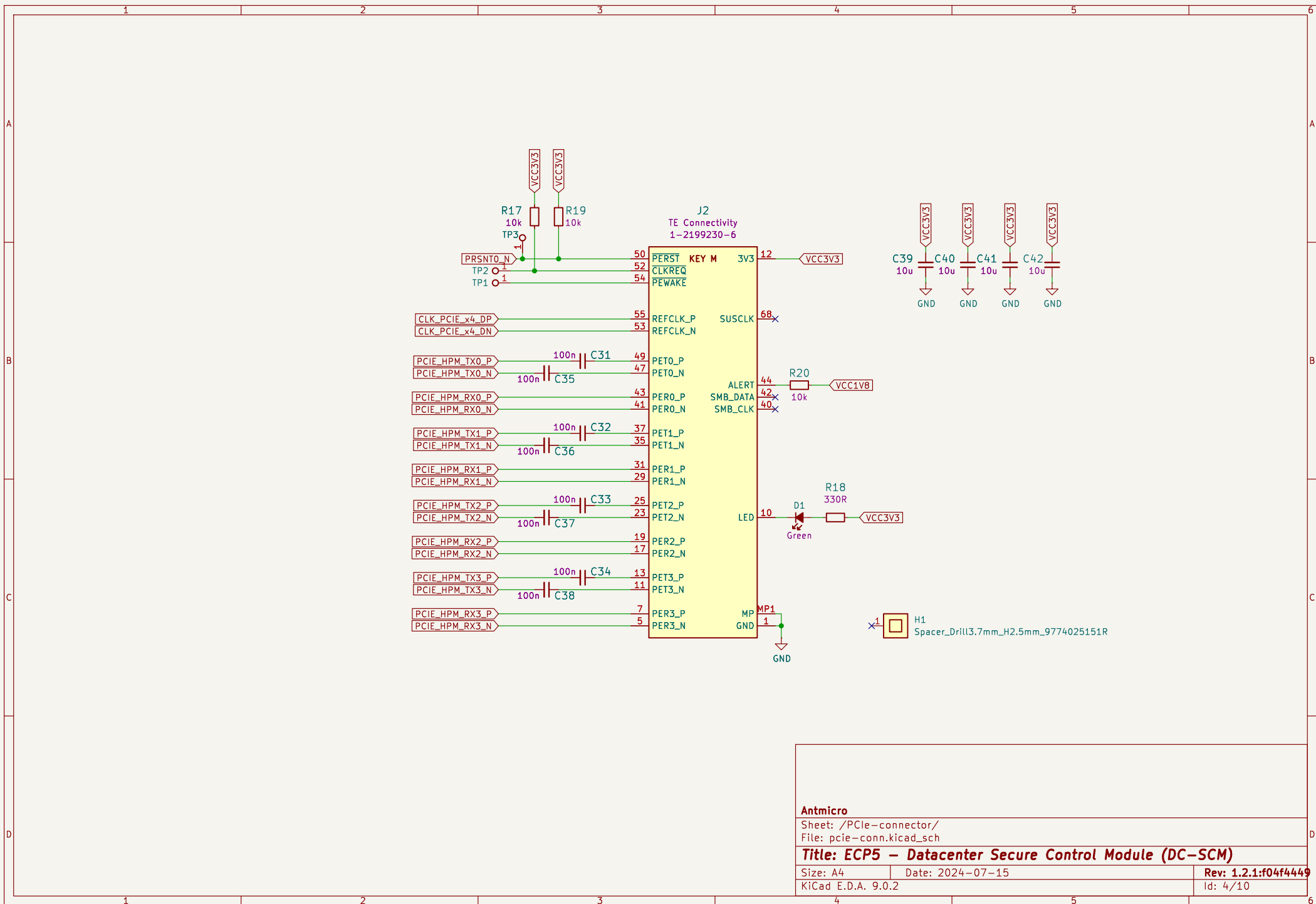
Rev: 1.2.1:f04f4449

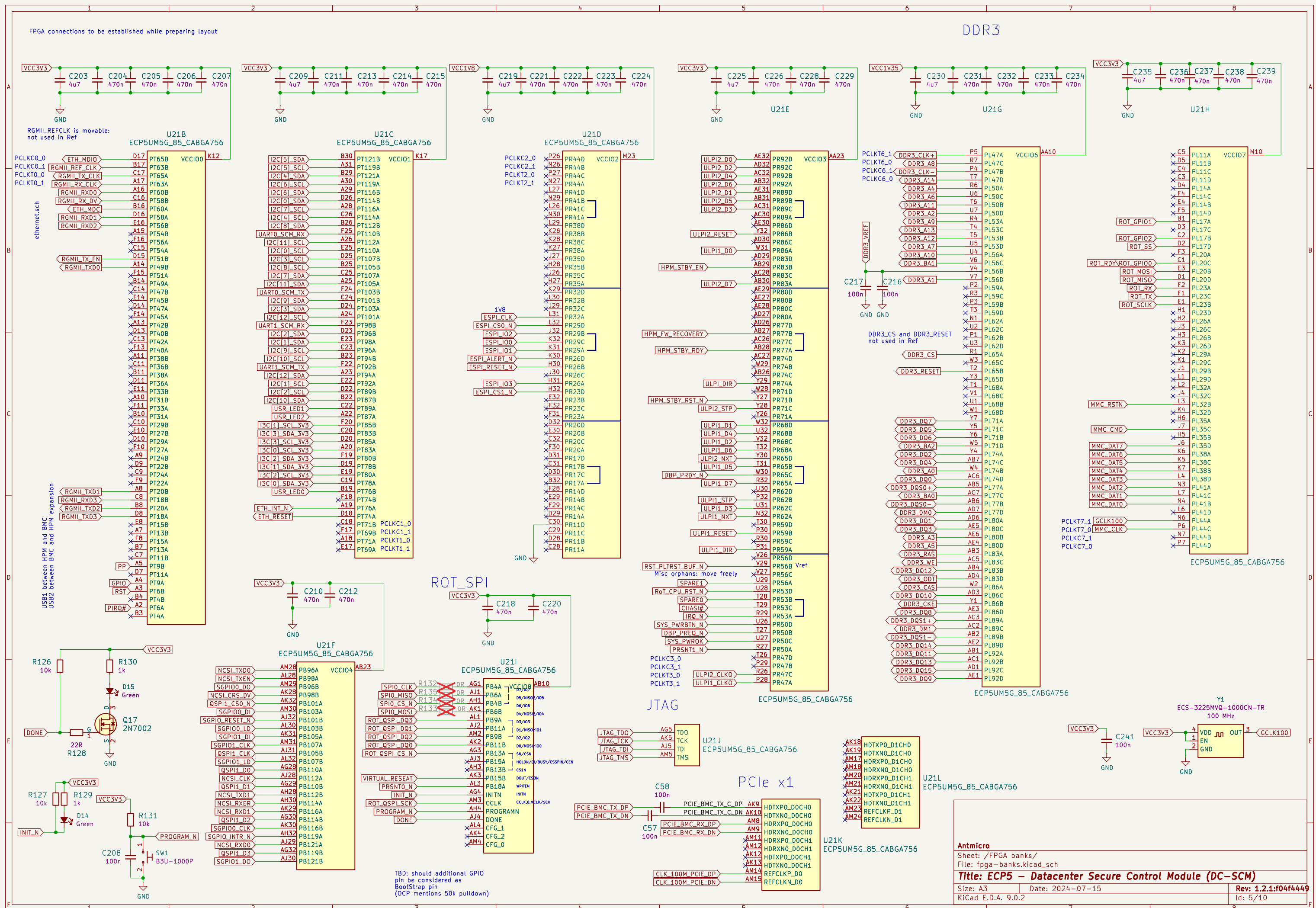
KiCad E.D.A. 9.0.2

Id: 1/10

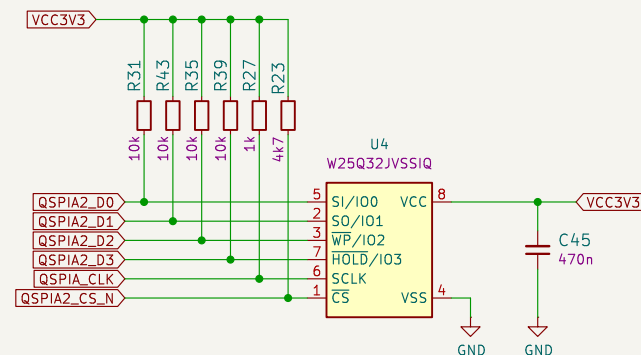




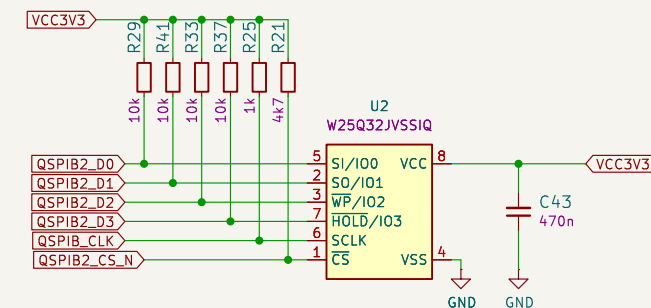
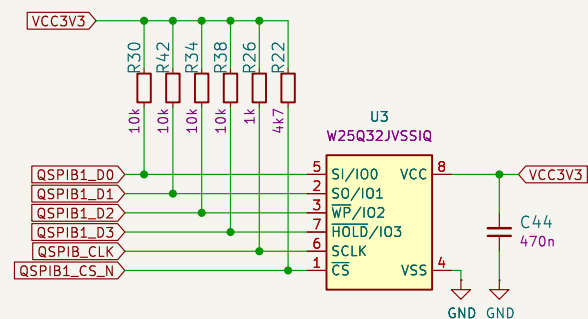




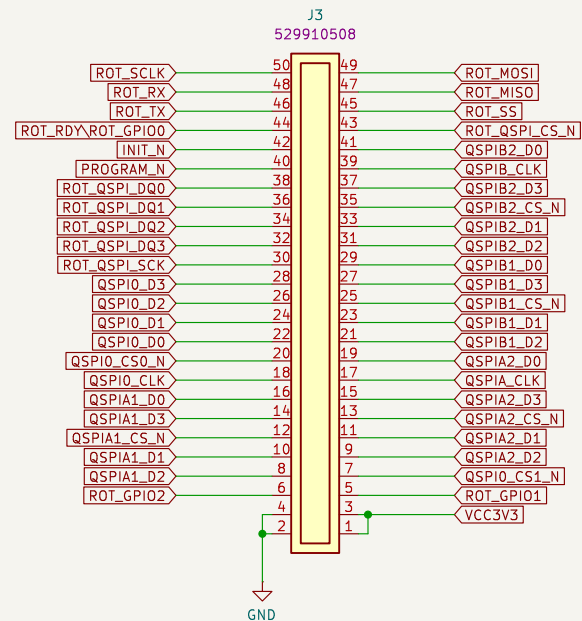
One or typically two flash devices used to contain the BIOS firmware image



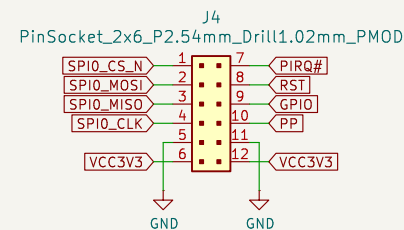
One or typically two flash devices used to contain the BMC firmware image



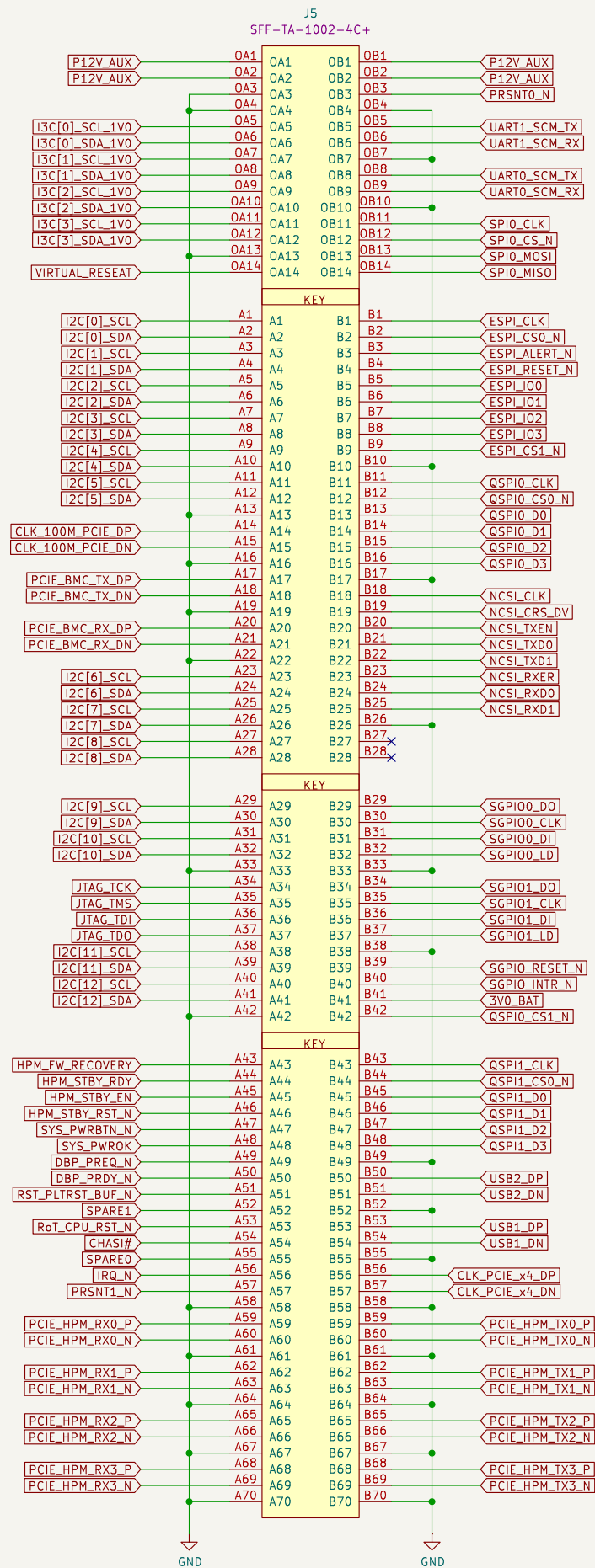
preliminary



Pinout for AES-PMOD-TPM20-SLB9670-G



Edge connector



Antmicro

Sheet: /Edge connector/
File: edge-connector.kicad_sch

Title: ECP5 – Datacenter Secure Control Module (DC-SCM)

Size: A3

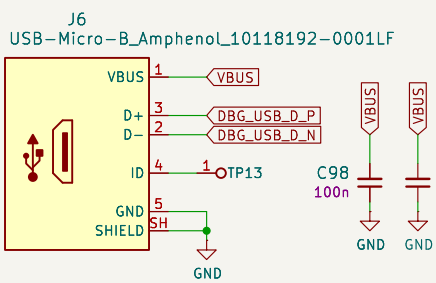
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Rev: 1.2.1:f04f4449

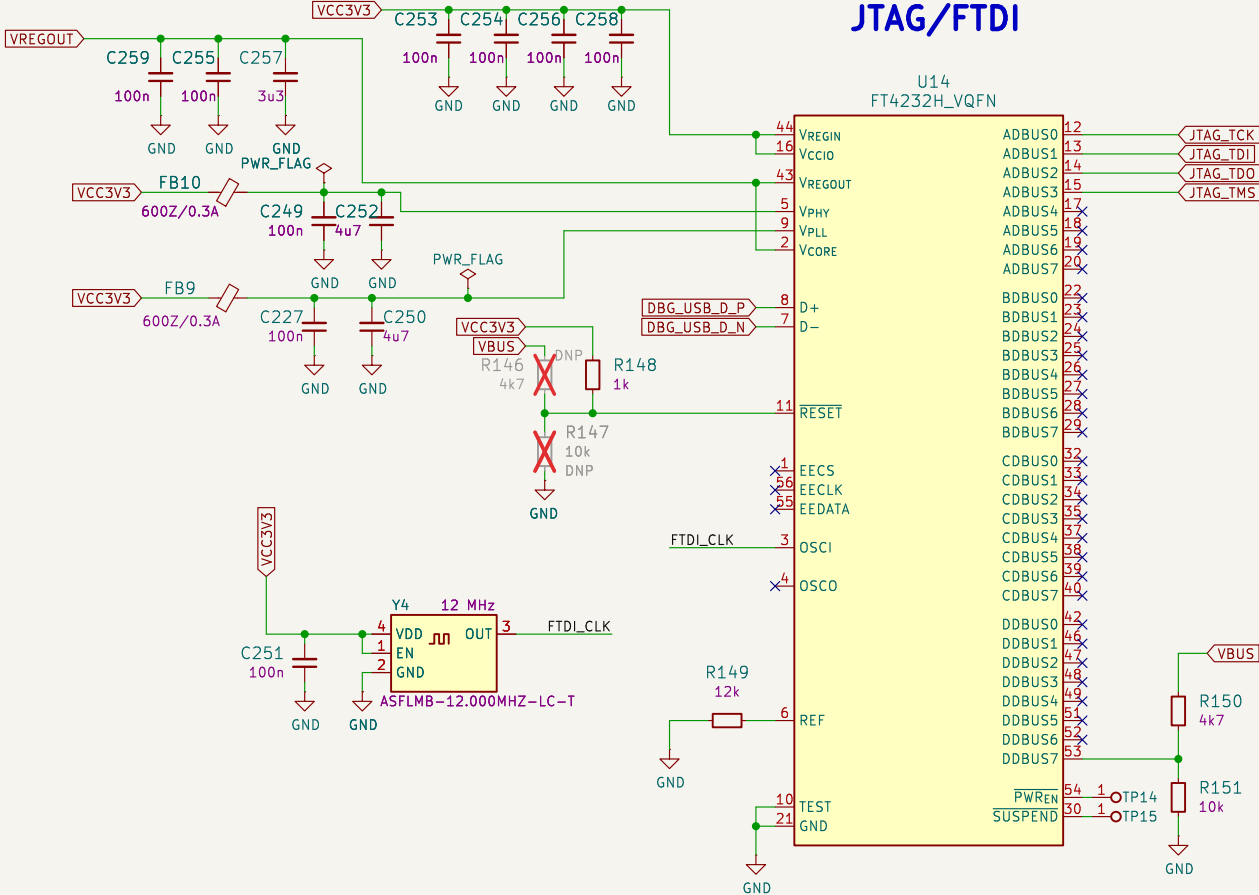
KiCad E.D.A. 9.0.2

Id: 7/10

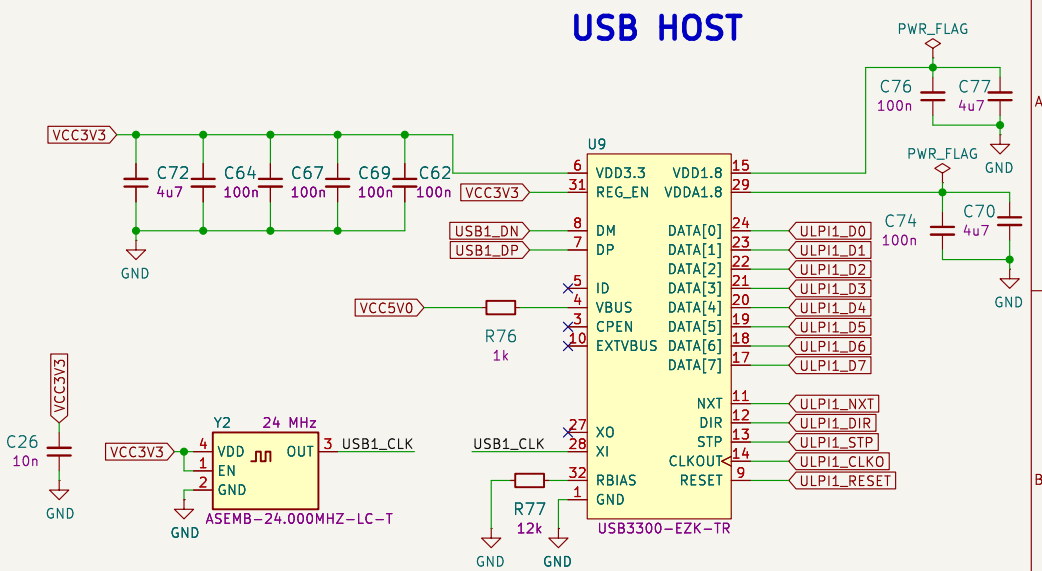
Debug USB



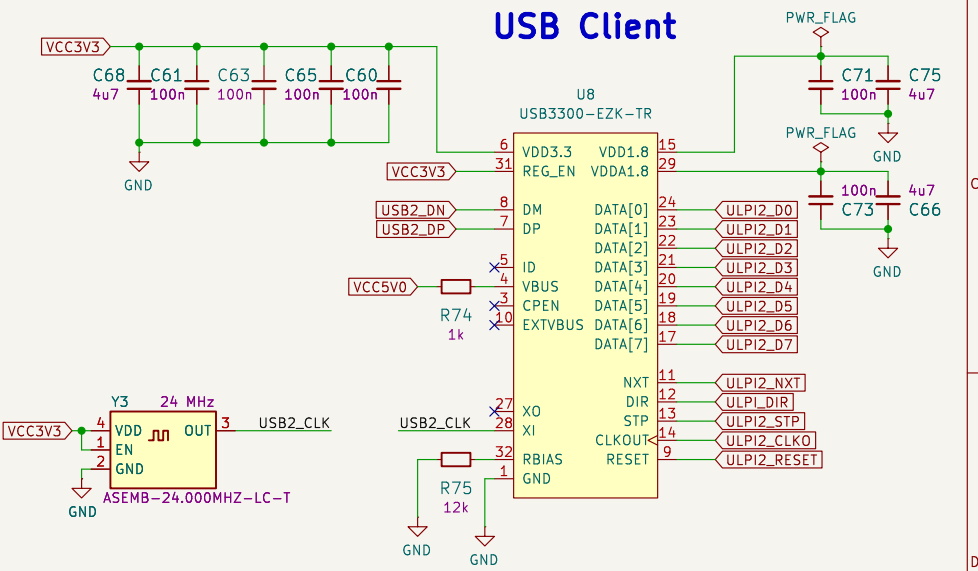
JTAG/FTDI



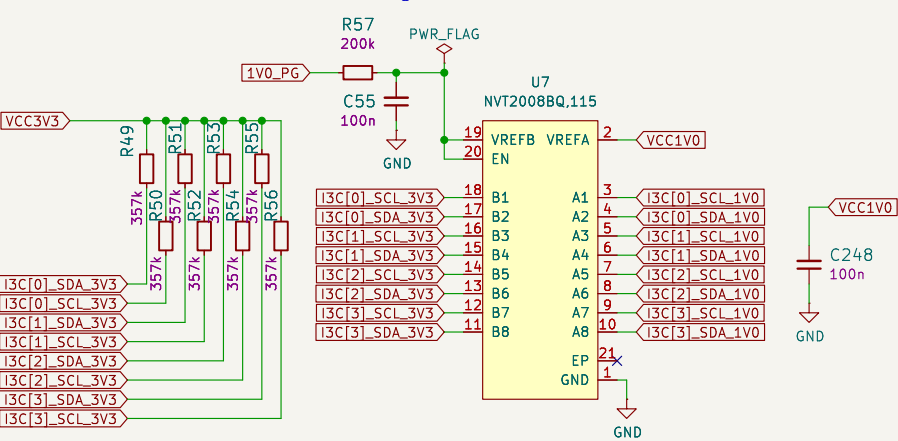
USB HOST



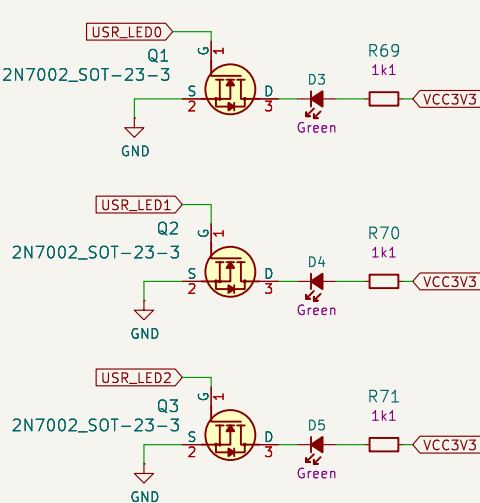
USB Client



I3C voltage level translation

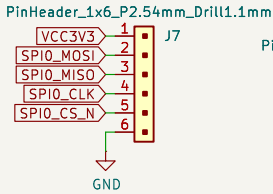


USER LEDs

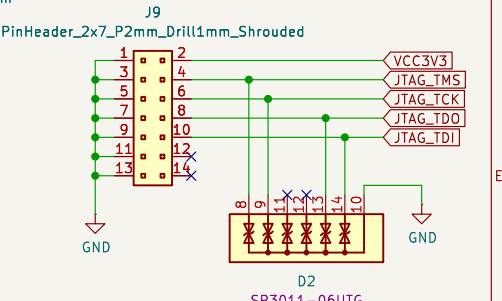


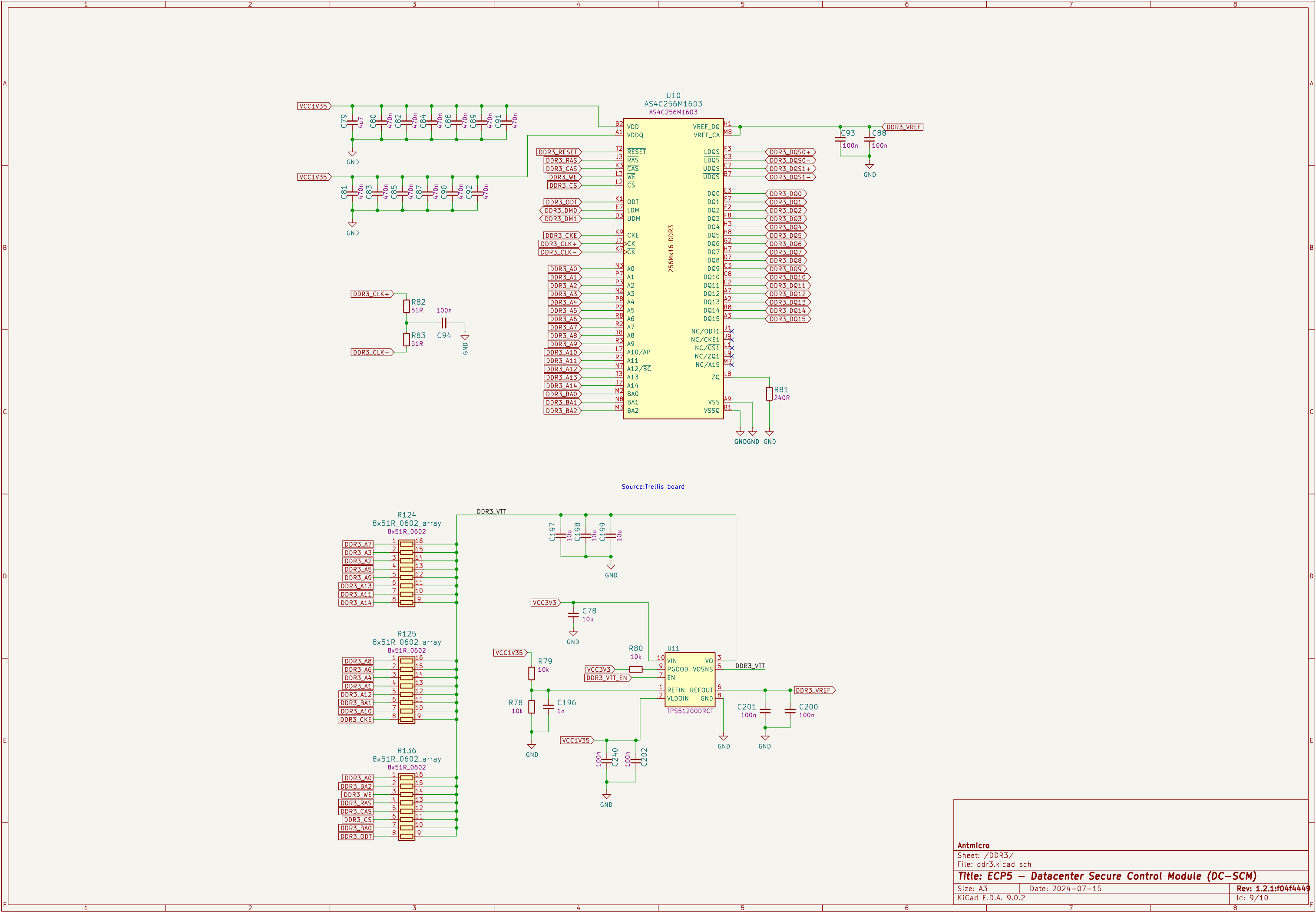
HPM SPI

reserved for future use (as of DC-SCI OPC specification)

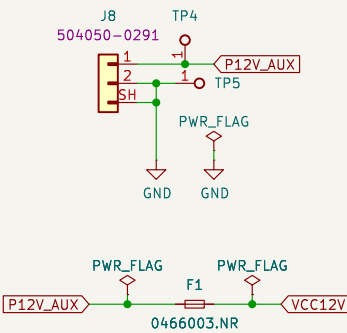


JTAG connector

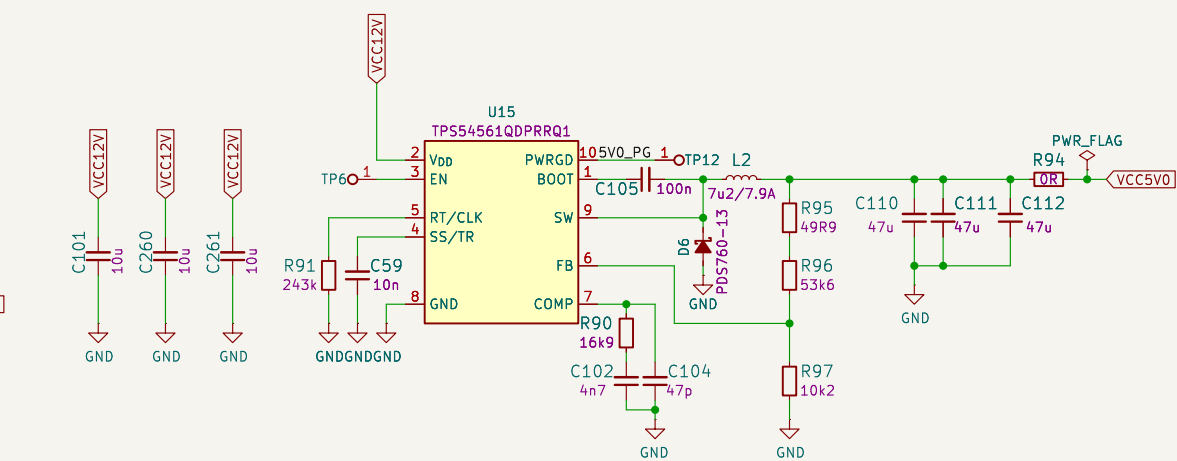




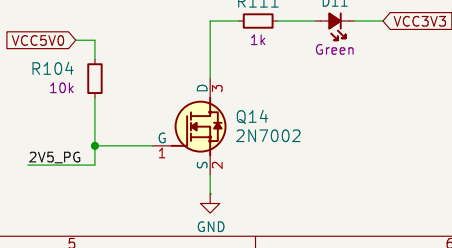
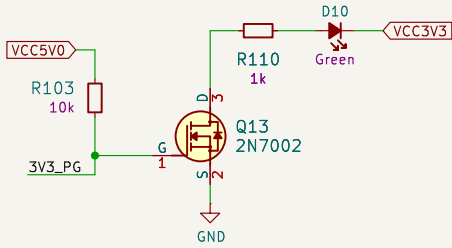
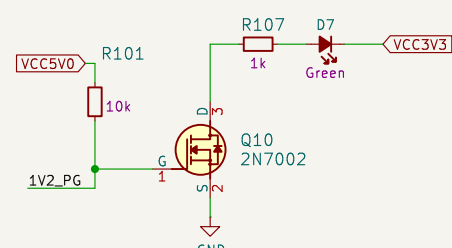
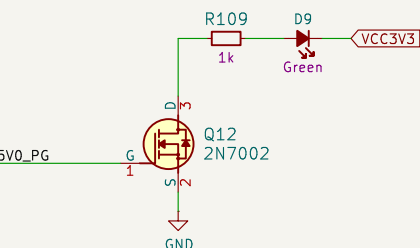
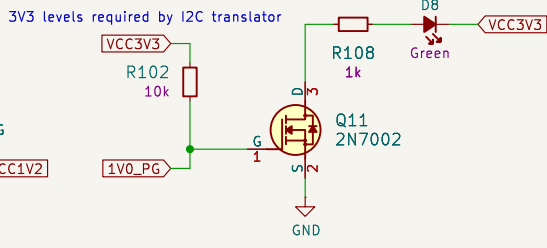
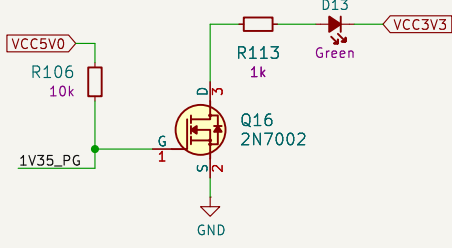
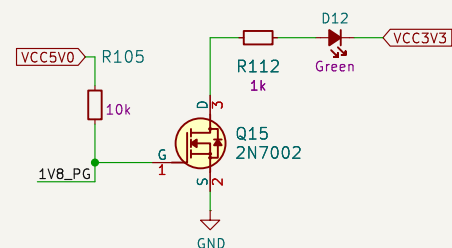
AUX supply connector



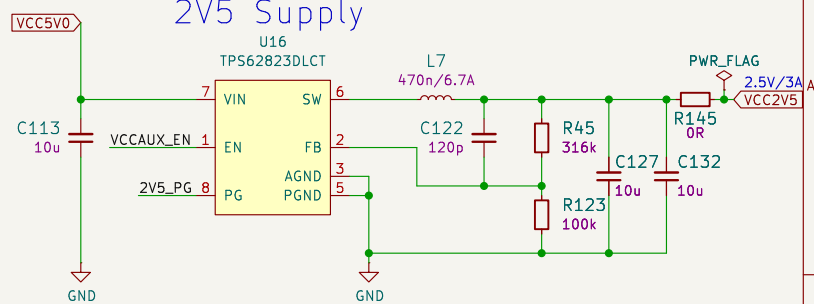
MainSupply (5V 5A)



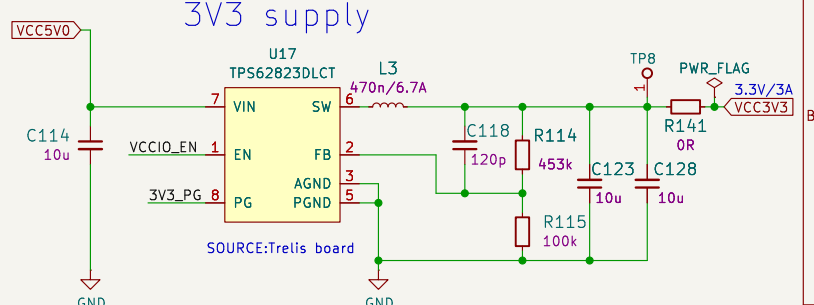
PWR_LED Indicators



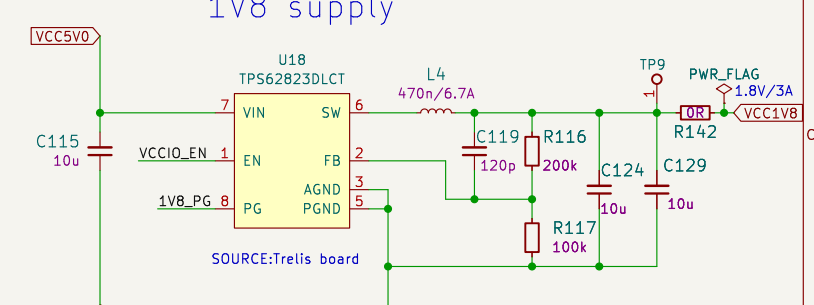
2V5 Supply



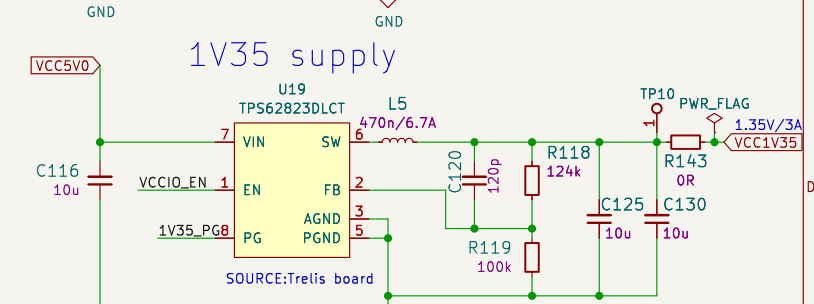
3V3 supply



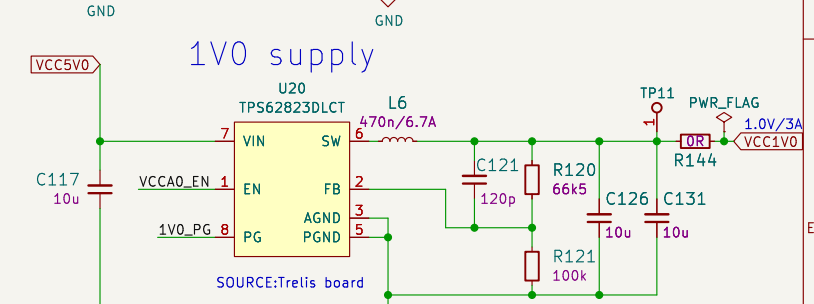
1V8 supply



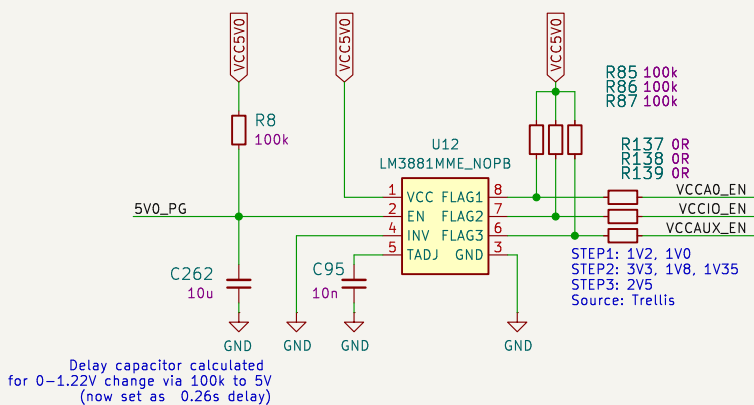
1V35 supply



1V0 supply



Power sequencer



Battery connector

