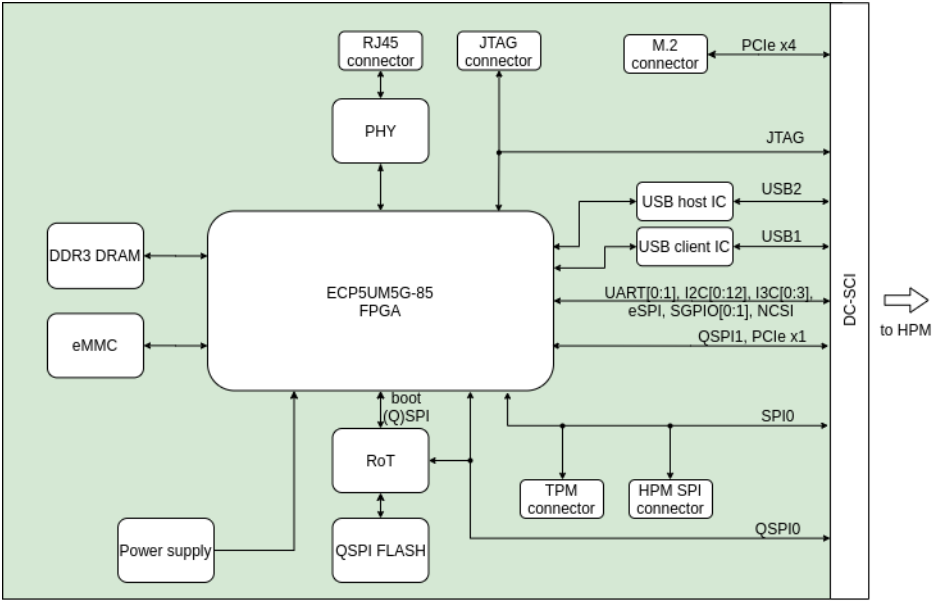


ECP5– Datacenter Secure Control Module (DC–SCM)



Sheet: Ethernet



File: ethernet.sch

Sheet: PCIe–connector



File: pcie–conn.sch

Sheet: RoT



File: rot.sch

Sheet: Edge_connector



File: edge–connector.sch

Sheet: Interfaces



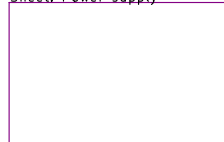
File: interfaces.sch

Sheet: DDR3



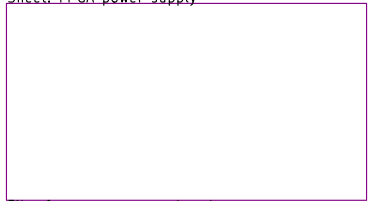
File: ddr3.sch

Sheet: Power_supply



File: power–supply.sch

Sheet: FPGA power_supply



File: fpga–power–supply.sch

Sheet: FPGA banks



File: fpga–banks.sch

Logo ^{N2}
oshw_logo
Logo ^{N1}
antmicro_logo

Sheet: /

File: ecp5–dc–scm.sch

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

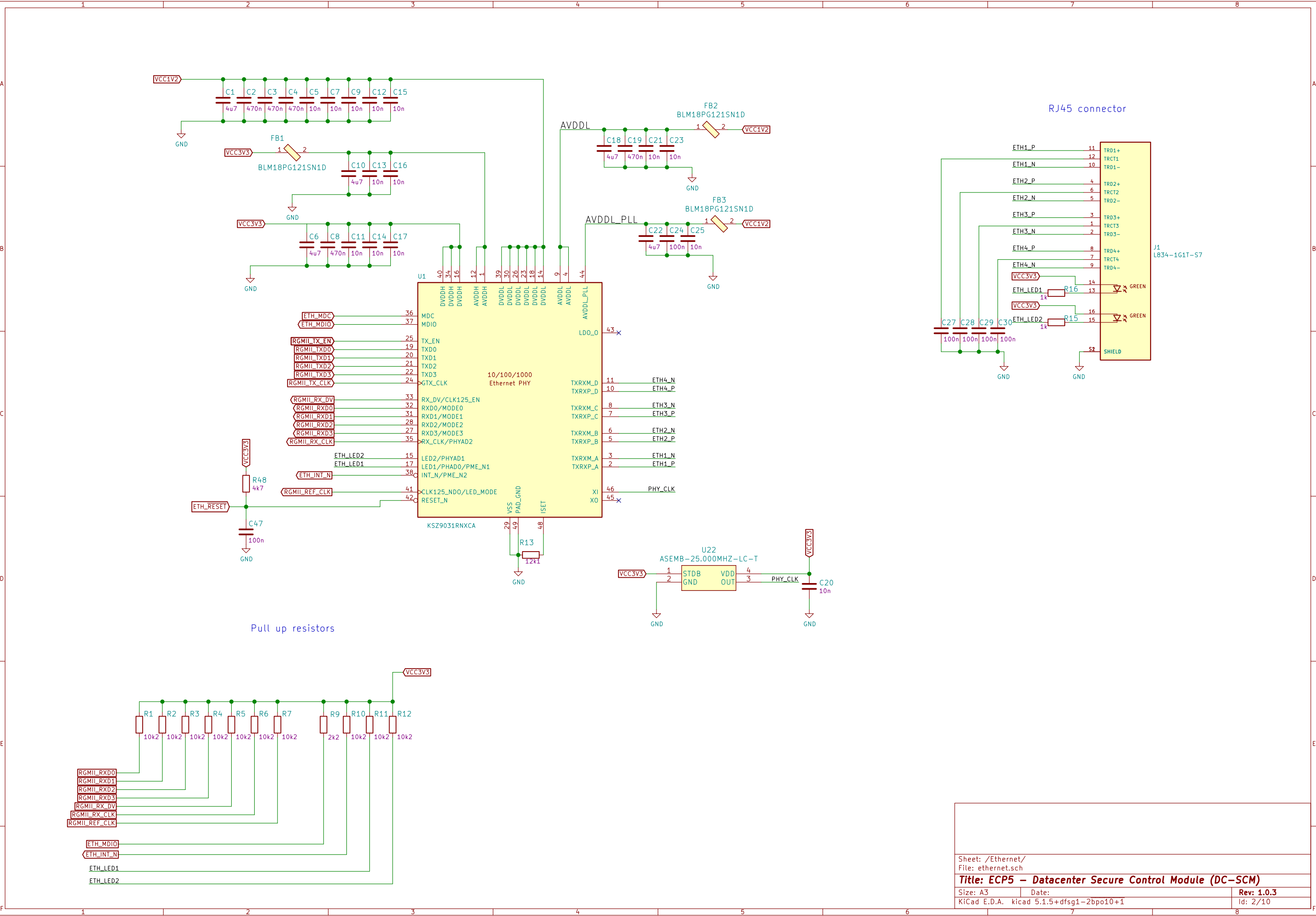
Size: A4

Date:

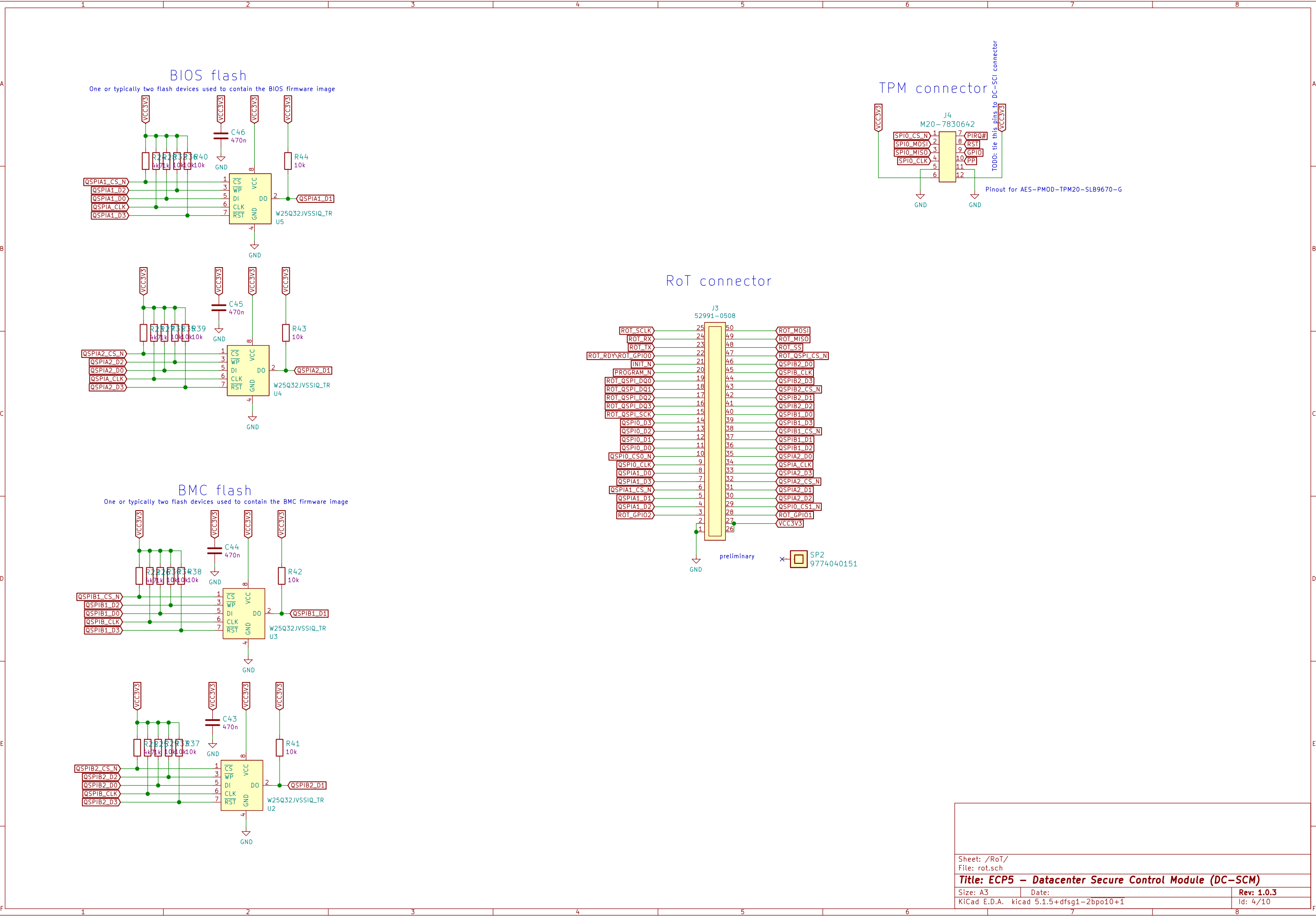
Rev: 1.0.3

KiCad E.D.A. kicad 5.1.5+dfsg1–2bpo10+1

Id: 1/10





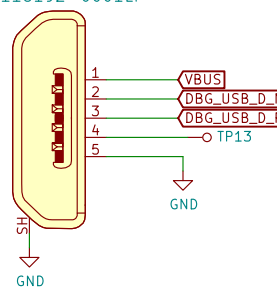


Edge connector



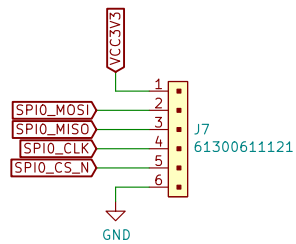
Debug USB

J6 10118192-0001LF

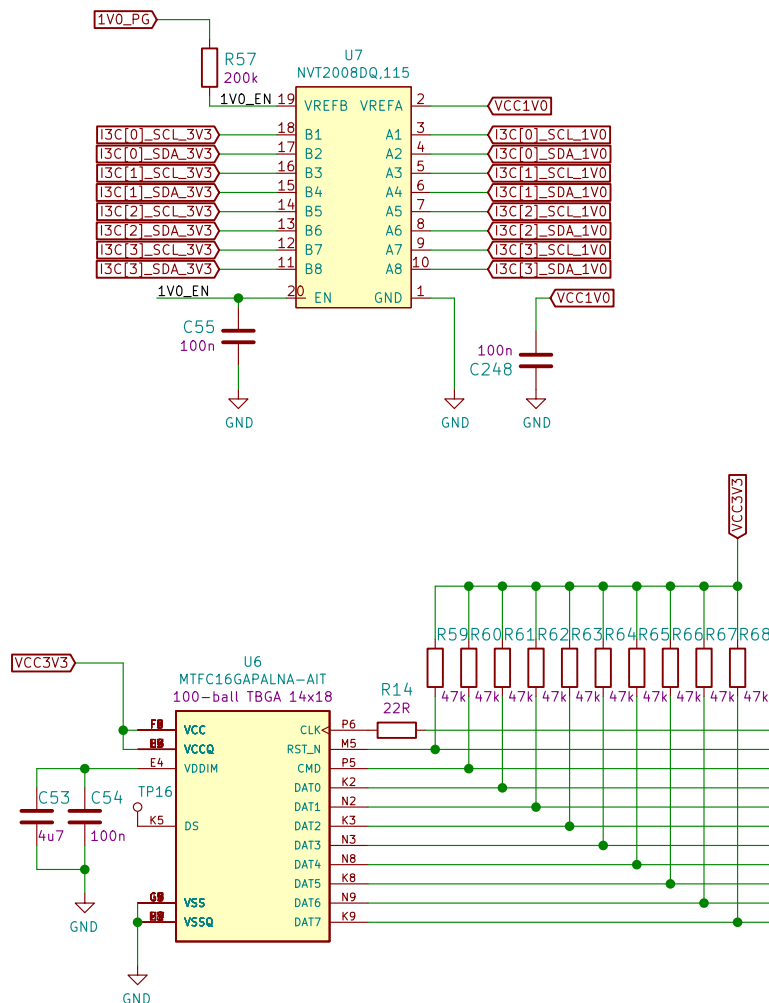
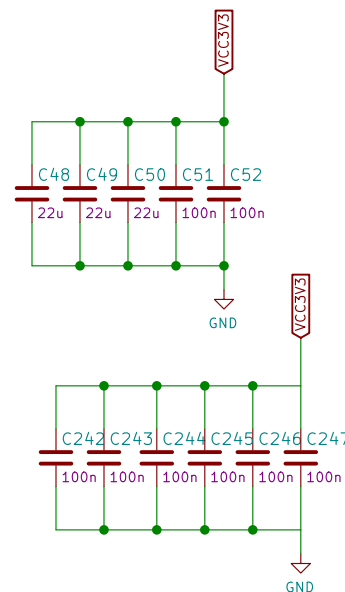
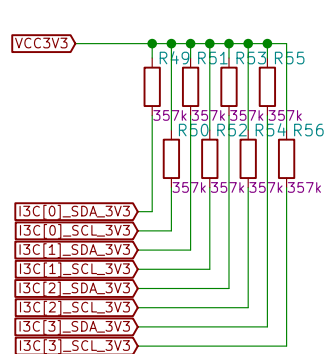


HPM SPI

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

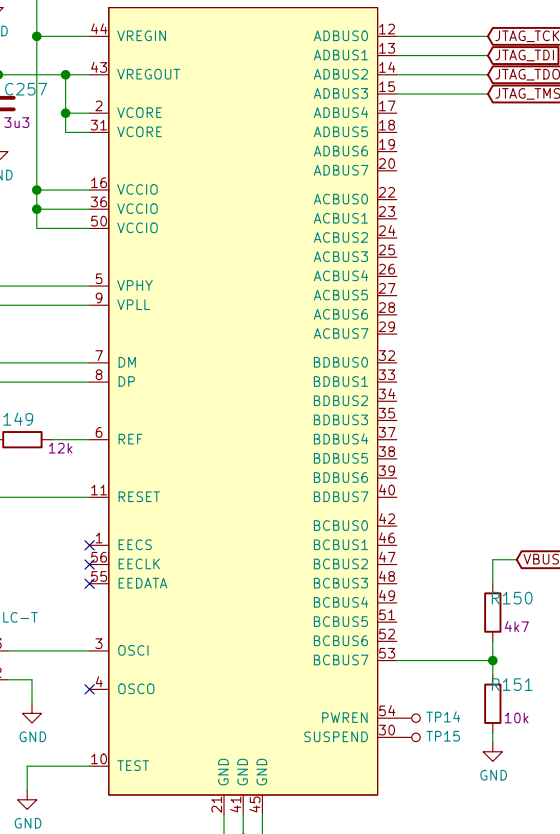


I3C voltage level translation

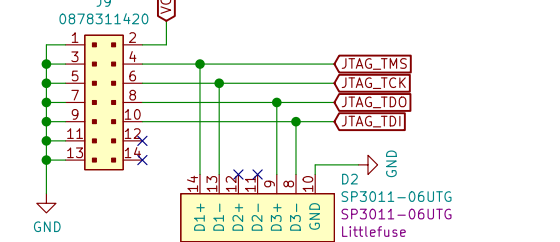


JTAG/FTDI

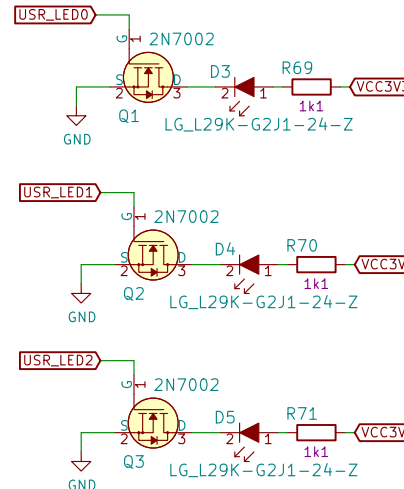
U15 FT232H-56Q



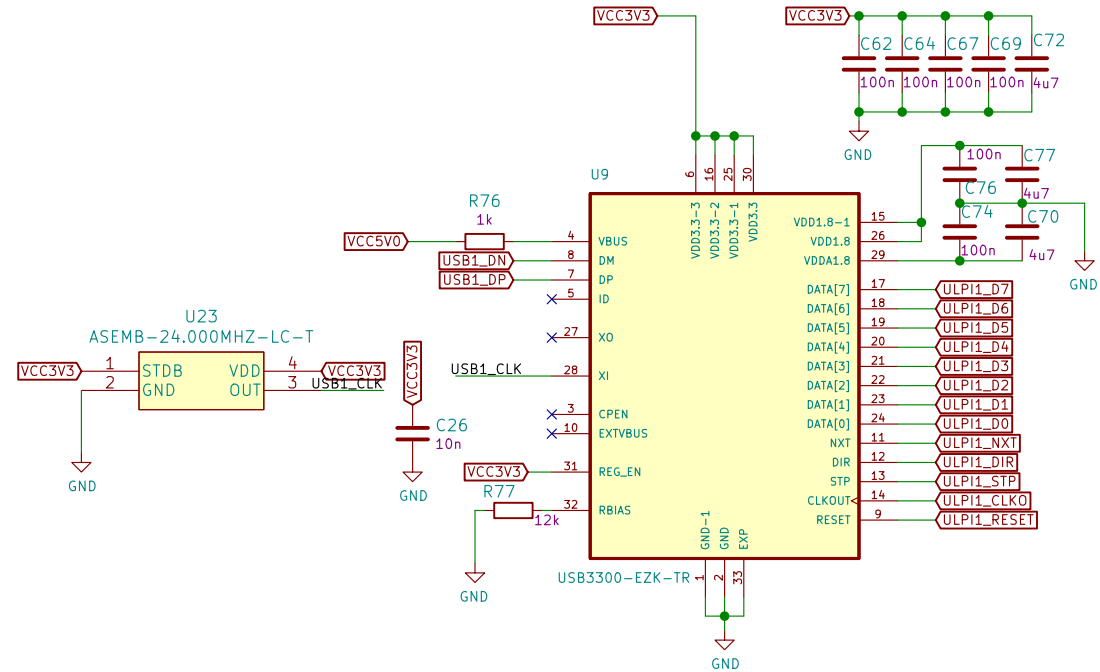
JTAG connector



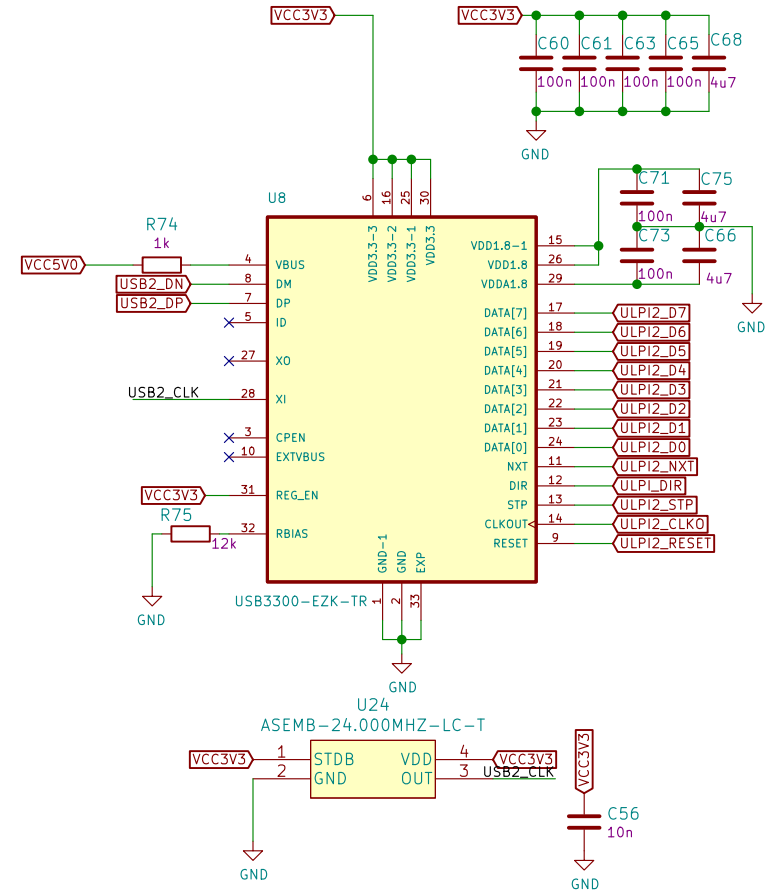
USER LEDs



USB HOST



USB Client



AUX supply connector

MainSupply (5V 5A)

PWR_LED Indicators

2V5 Supply

3V3 supply

1V2 Supply

3V3 levels required by I2C translator

1V8 supply

1V35 supply

1V0 supply

Power sequencer

Battery connector

Sheet: /Power supply/
File: power-supply.sch
Title: ECP5 - Datacenter Secure Control Module (DC-SCM)
Size: A3 Date: Rev: 1.0.3
KiCad E.D.A. kicad 5.1.5+dfsg1-2bp010+1 Id: 8/10

Sheet: /Power supply/ File: power-supply.sch		
Title: ECP5 – Datacenter Secure Control Module (DC-SCM)		
Size: A3	Date:	Rev: 1.0.3
KiCad E.D.A. kicad 5.1.5+dfsg1-2bpo10+1		Id: 8/10

[illegible]

Sheet: /FPGA power supply/ File: fpga-power-supply.sch		
Title: ECP5 – Datacenter Secure Control Module (DC-SCM)		
Size: A3	Date:	Rev: 1.0.3
KiCad E.D.A.	kiCad 5.1.5+dfsg1-2bpo10+1	Id: 9/10

