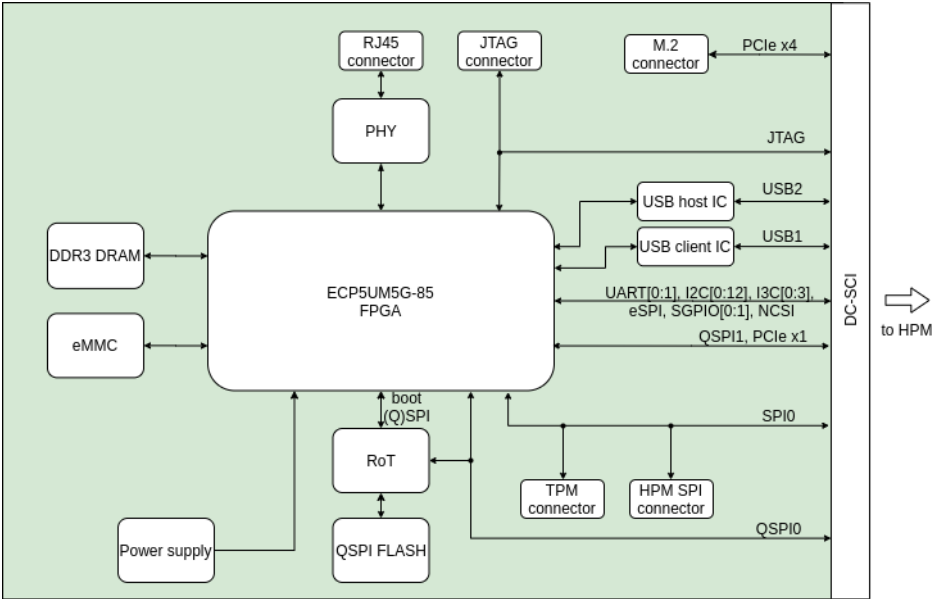


# ECP5– Datacenter Secure Control Module (DC–SCM)



Ethernet



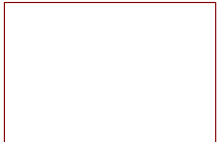
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PCIe–connector



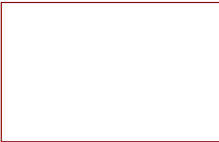
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RoT



File: rot.sch

Edge connector



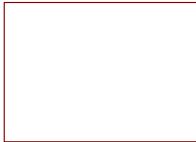
File: edge–connector.sch

Interfaces



File: interfaces.sch

DDR3



File: ddr3.sch

Power supply



File: power–supply.sch

FPGA power supply



File: fpga–power–supply.sch

FPGA banks



File: fpga–banks.sch

Logo <sup>N2</sup>  
oshw\_logo

Logo <sup>N1</sup>  
antmicro\_logo

Sheet: /

File: ecp5–dc–scm.sch

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

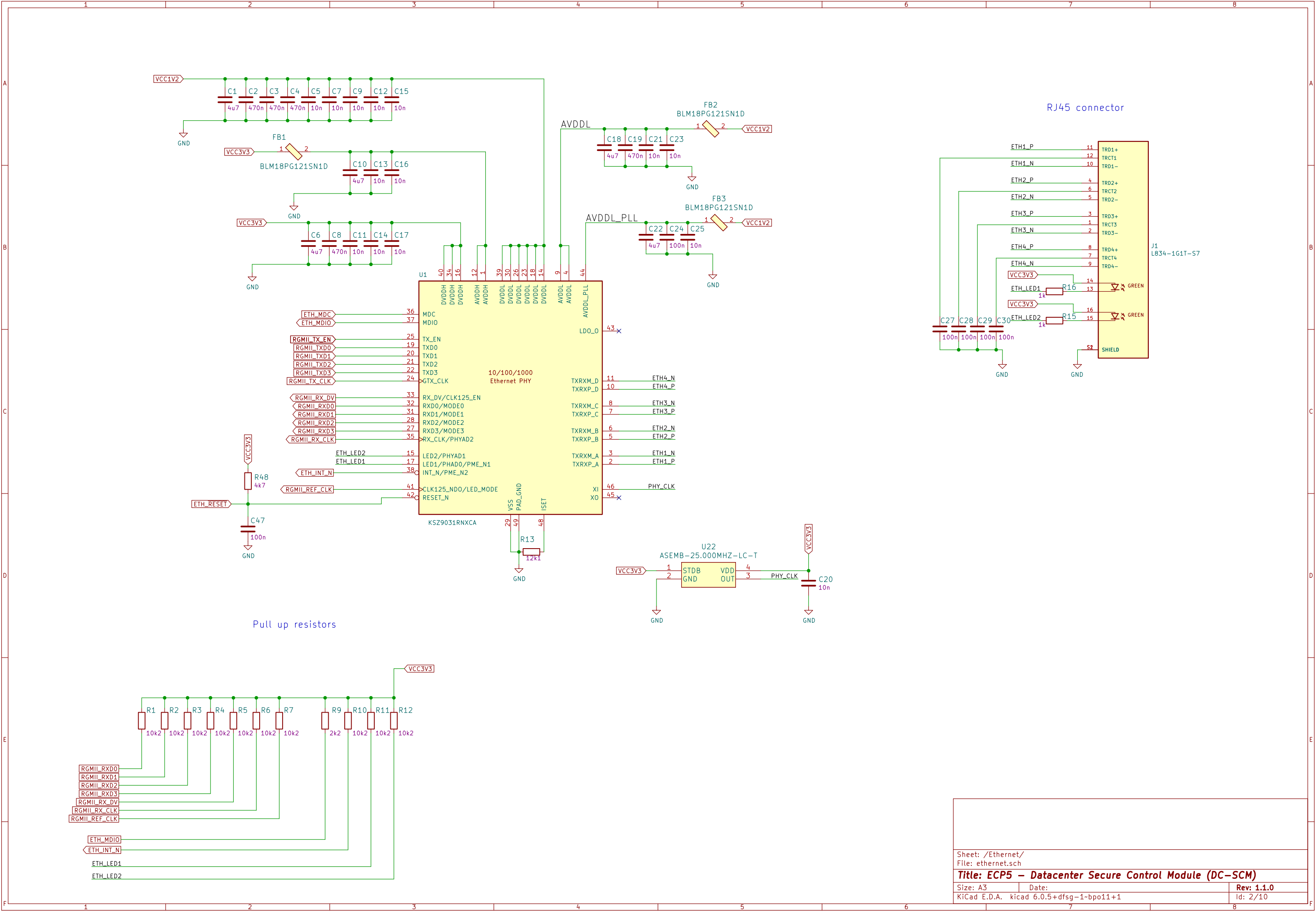
Size: A4

Date:

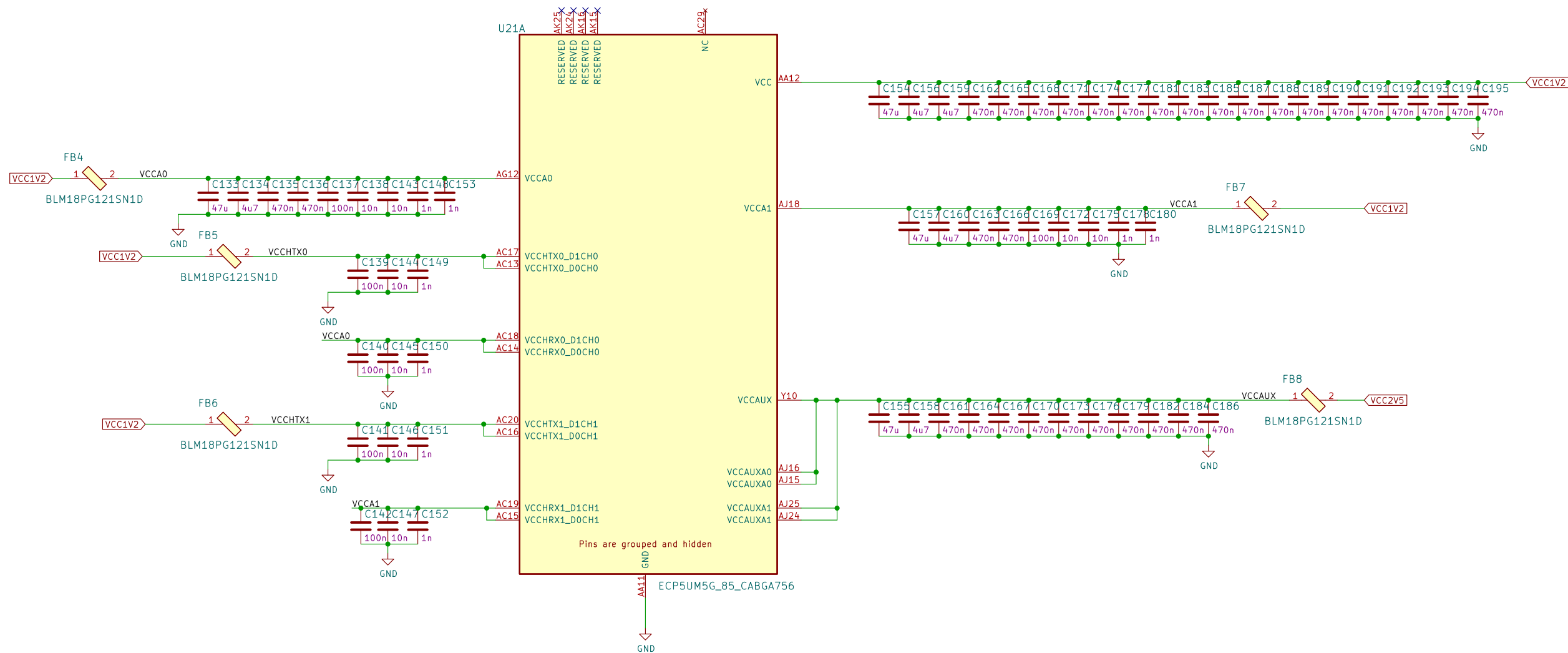
KiCad E.D.A. kicad 6.0.5+dfsg–1–bpo11+1

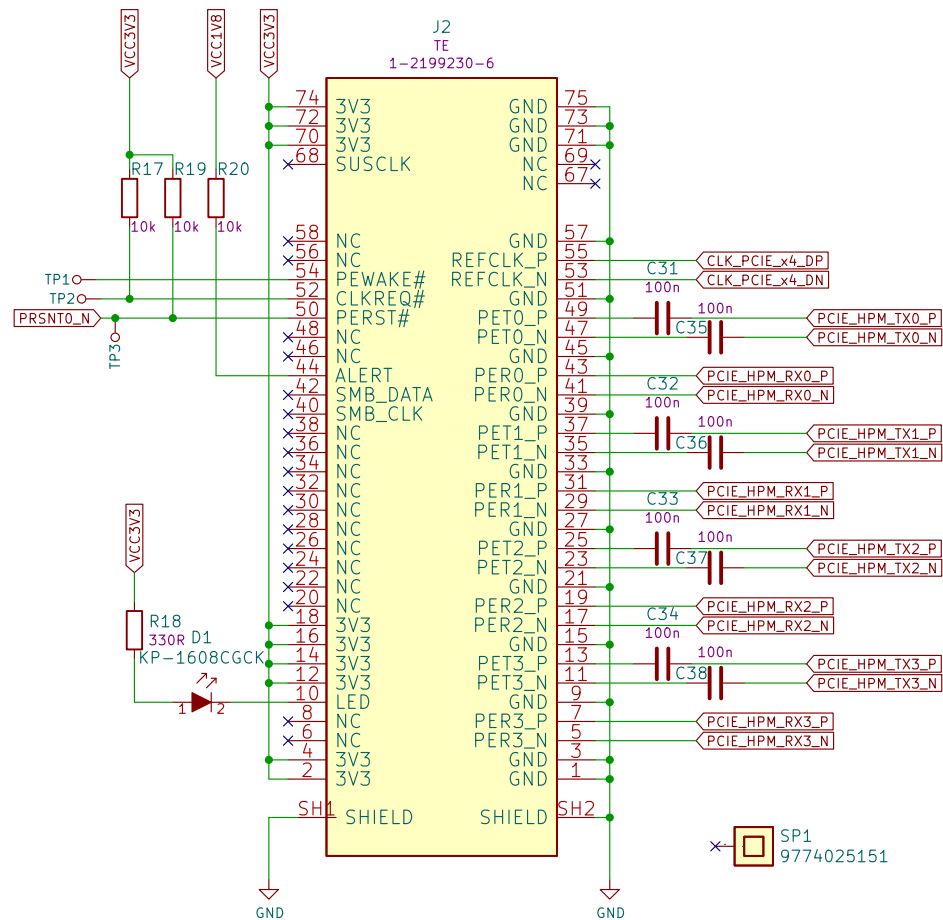
Rev: 1.1.0

Id: 1/10



Power supply



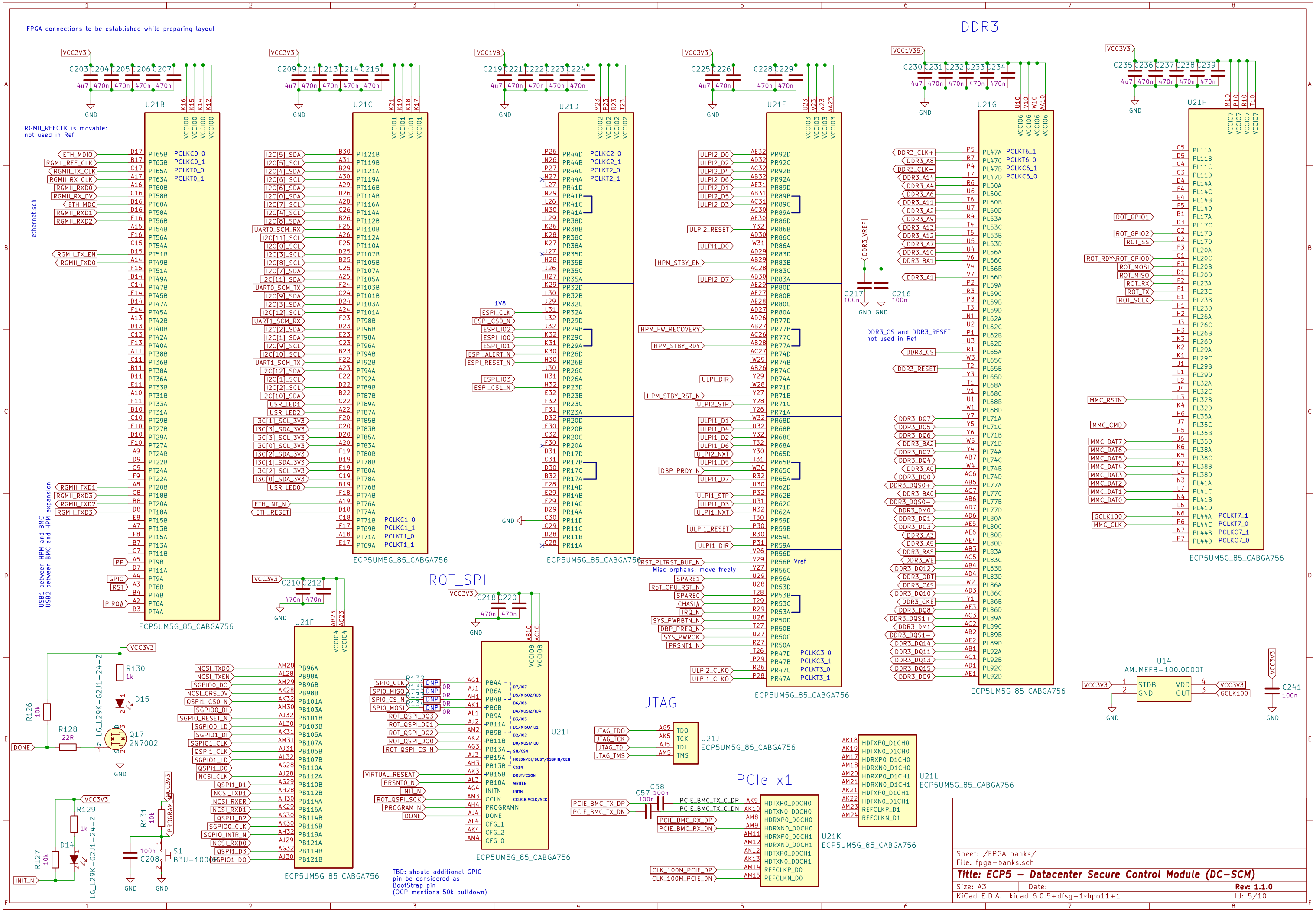


Sheet: /PCIe-connector/  
File: pcie-conn.sch

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

Size: A4 Date: KiCad E.D.A. kicad 6.0.5+dfsg-1~bpo11+1

Rev: 1.1.0  
Id: 4/10

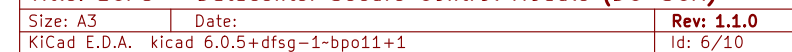


## A

B

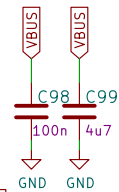
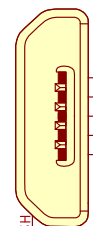
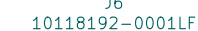


## E

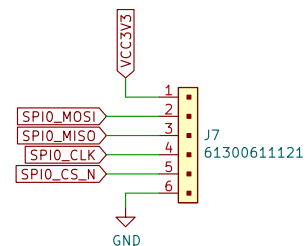
**F**

<b>Title: ECP5 – Datacenter Secure Control Module (DC-SCM)</b>		
Size: A3	Date:	Rev: <b>1.1.0</b>
KICad E.D.A. kicad 6.0.5+dfsg-1-bpo11+1		Id: 7/10





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



VCC3V3

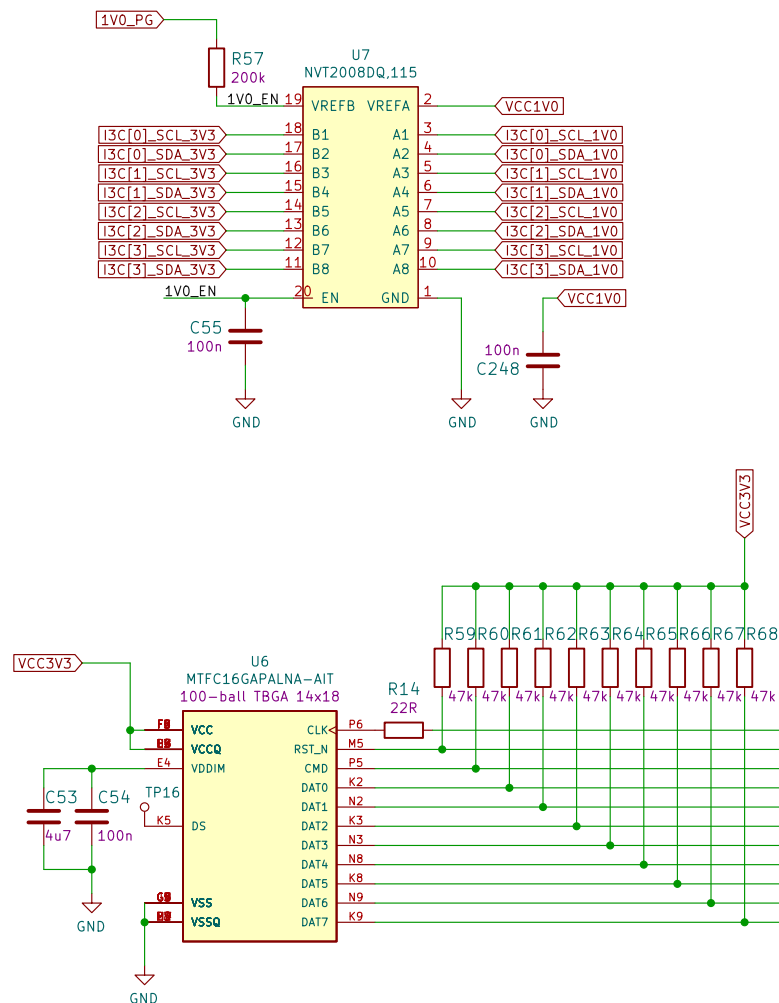
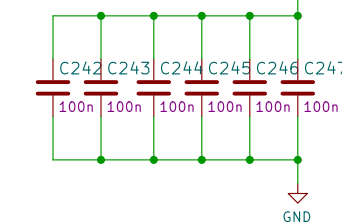
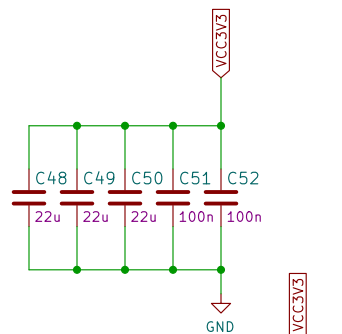
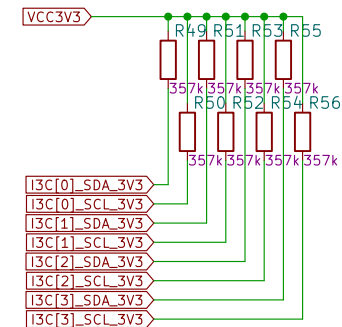
R49 R51 R53 R55

357k 357k 357k 357k

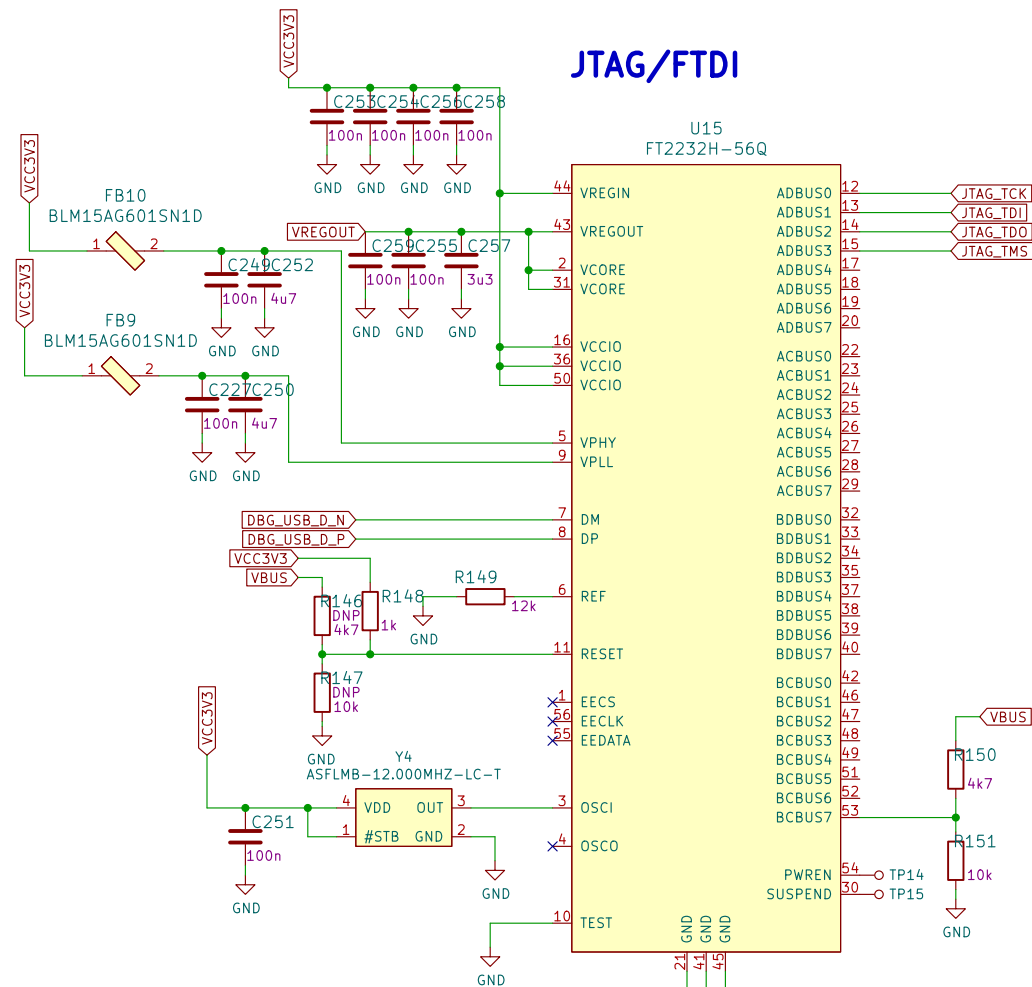
R50 R52 R54 R56

357k 357k 357k 357k

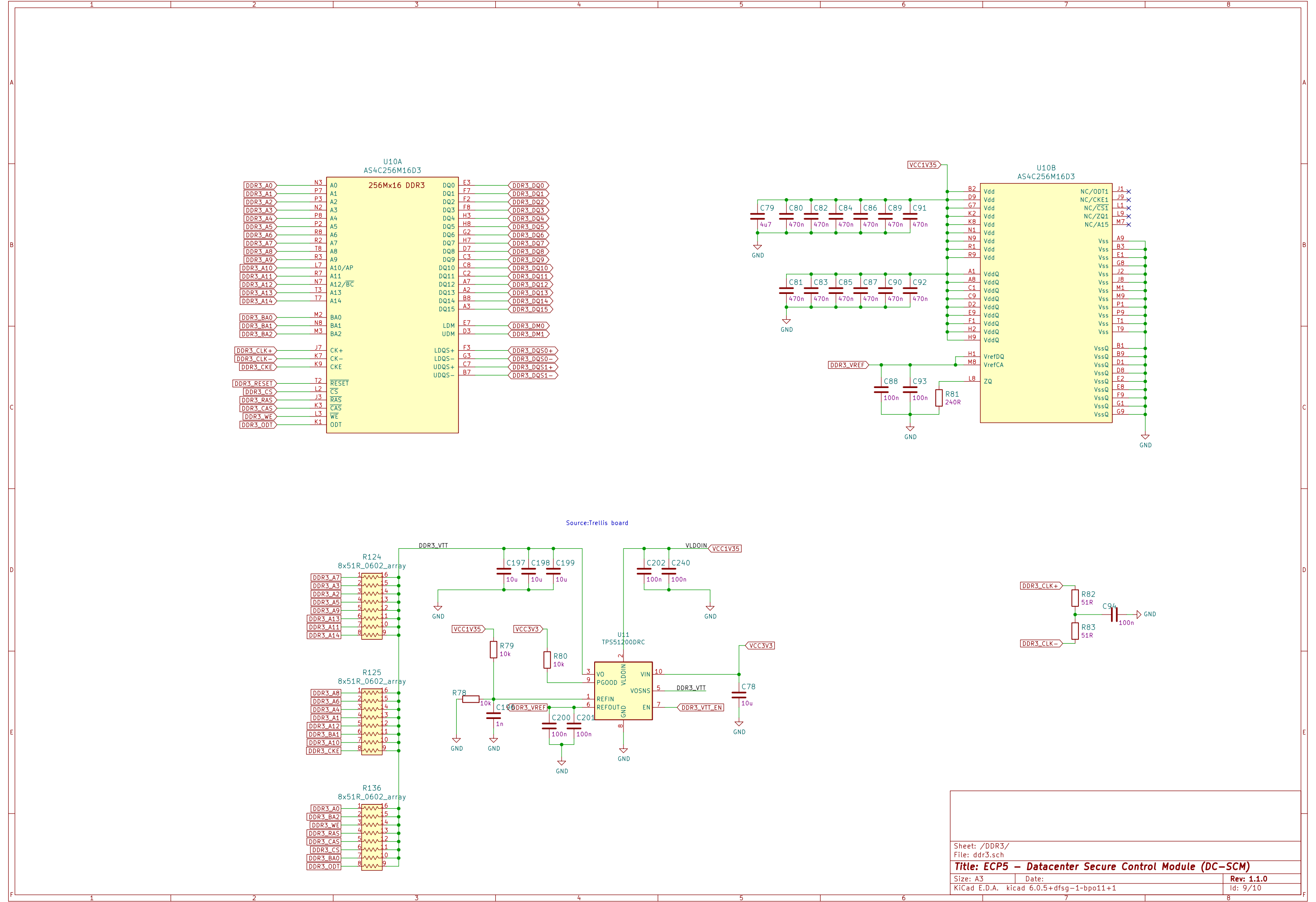
I3C[0]\_SDA\_3V3  
I3C[0]\_SCL\_3V3  
I3C[1]\_SDA\_3V3  
I3C[1]\_SCL\_3V3  
I3C[2]\_SDA\_3V3  
I3C[2]\_SCL\_3V3  
I3C[3]\_SDA\_3V3  
I3C[3]\_SCL\_3V3



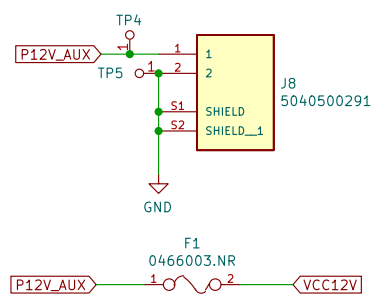
## U15

[illegible]

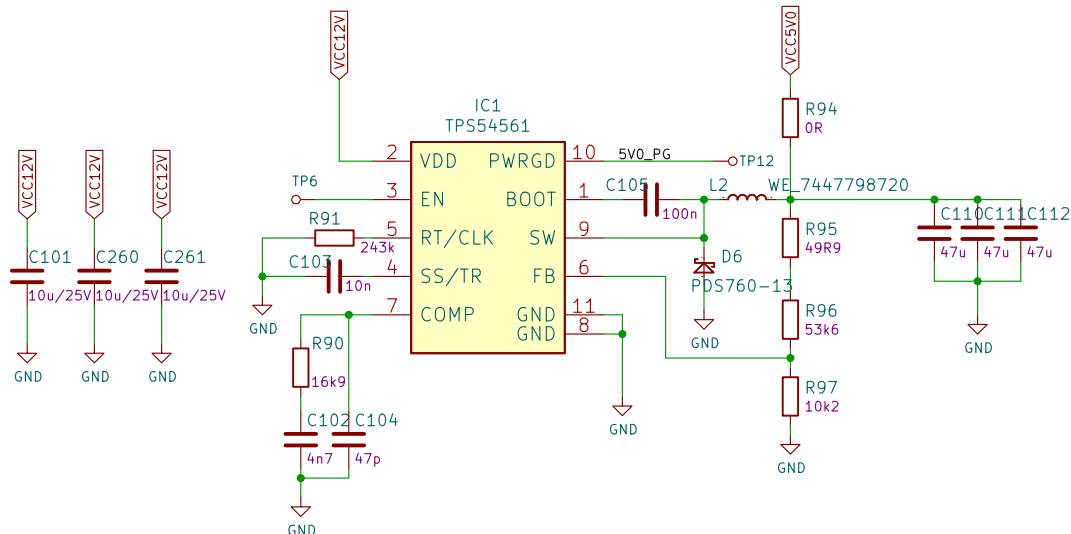




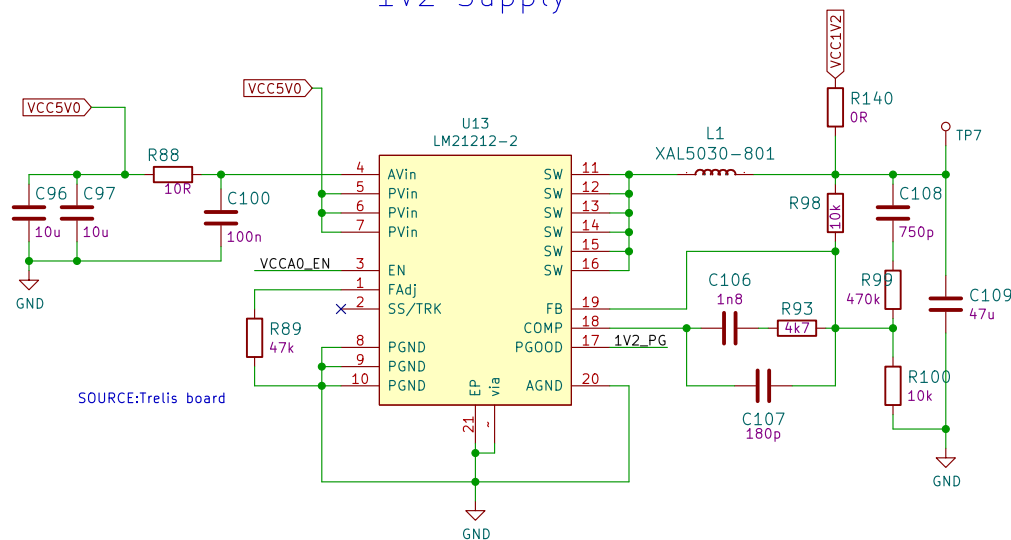
## AUX supply connector



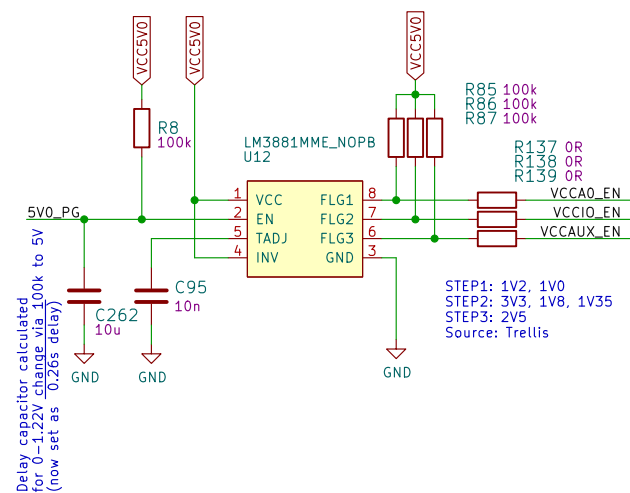
## MainSupply (5V 5A)



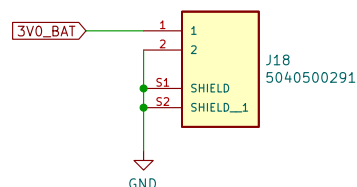
## 1V2 Supply



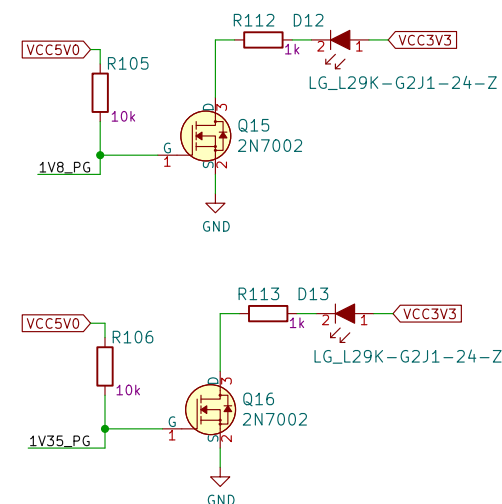
## Power sequencer



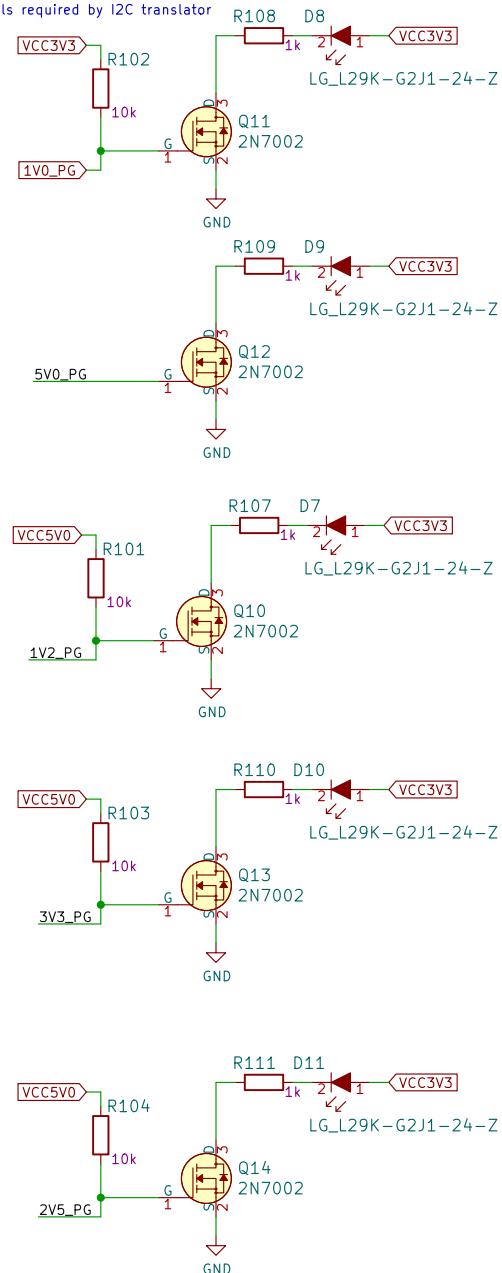
## Battery connector



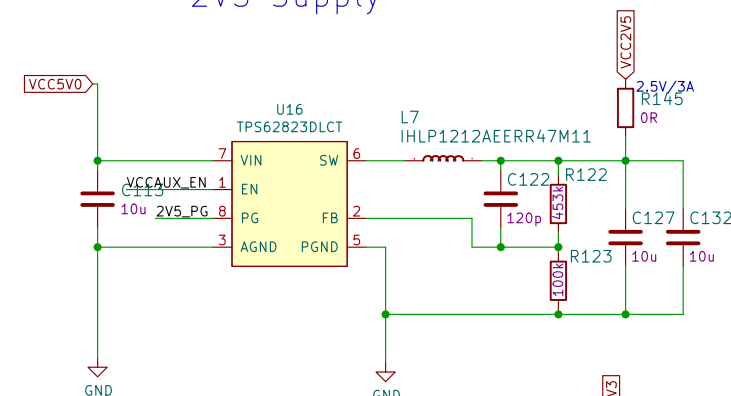
## PWR\_LED Indicators



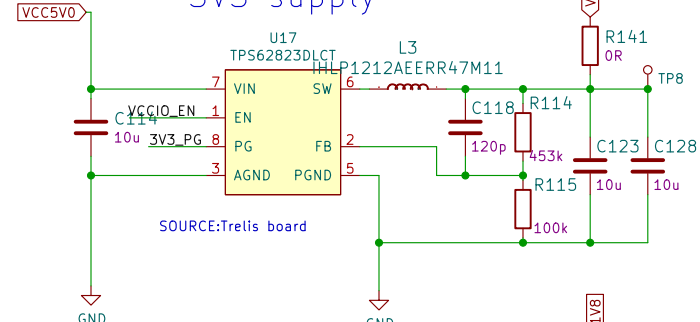
3V3 levels required by I2C translator



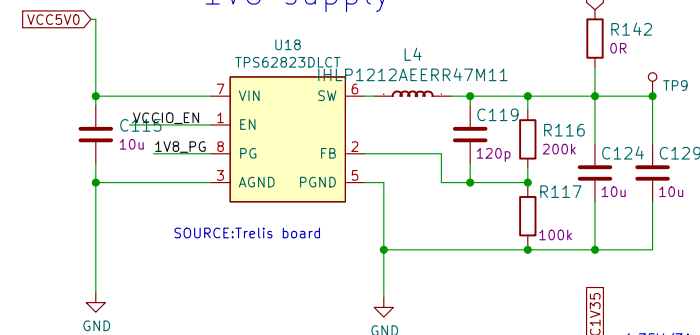
## 2V5 Supply



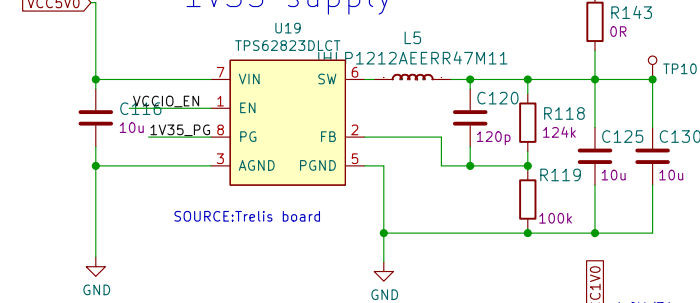
## 3V3 supply



## 1V8 supply



## 1V35 supply



## 1V0 supply

