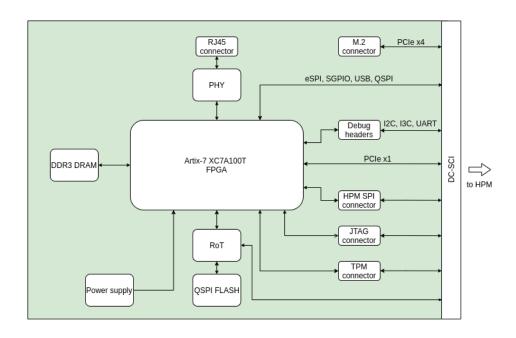
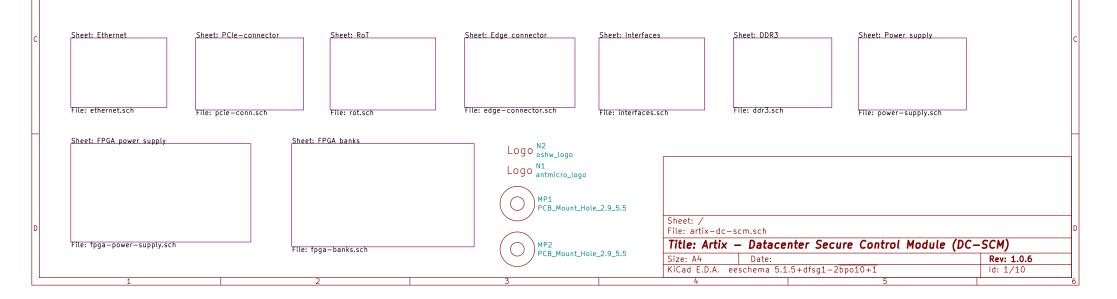
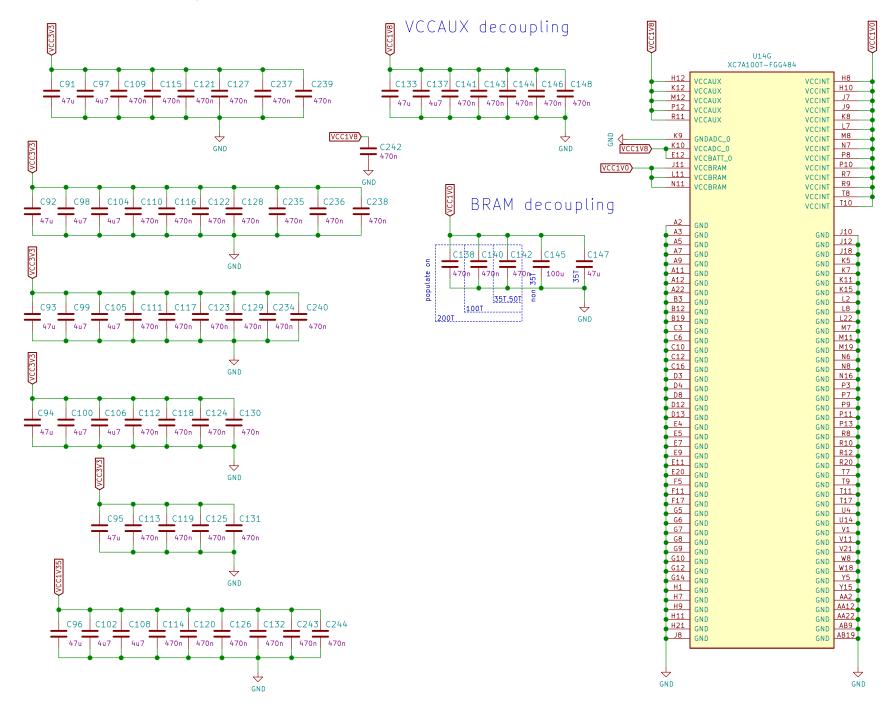
# Artix - Datacenter Secure Control Module (DC-SCM)



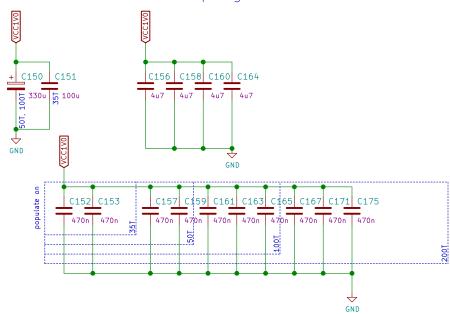


# FPGA power supply

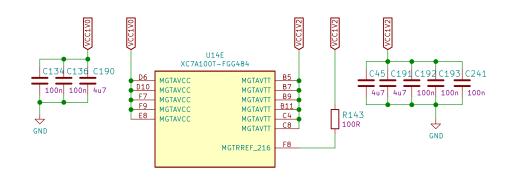
# Banks decoupling



# VCCINT decoupling



# Transceiver supply

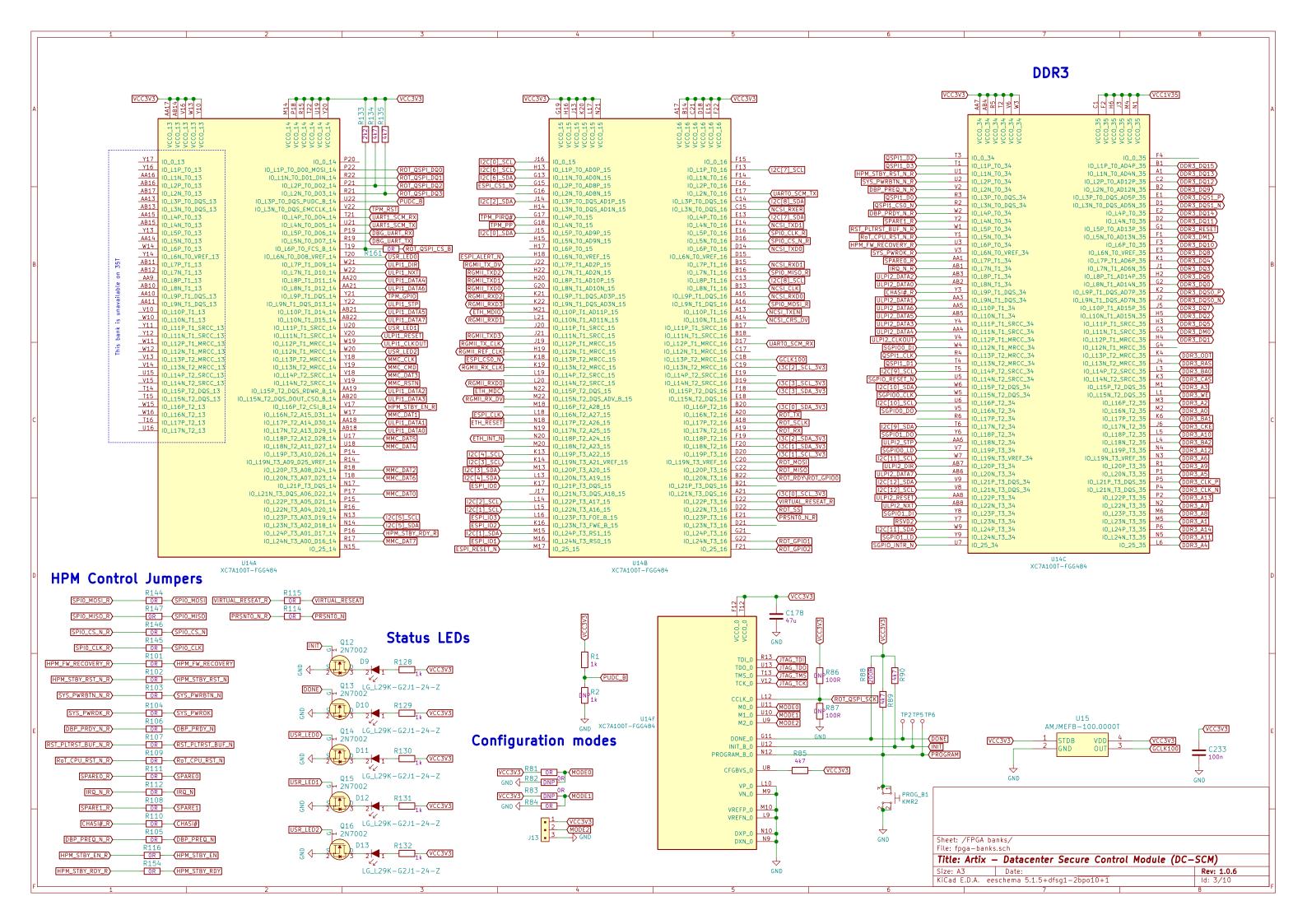


Sheet: /FPGA power supply/
File: fpga-power-supply.sch

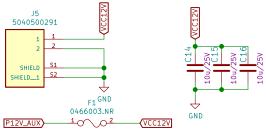
Title: Artix - Datacenter Secure Control Module (DC-SCM)

Size: A3 Date: Rev: 1.0.6

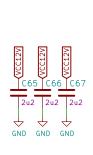
KiCad E.D.A. eeschema 5.1.5+dfsg1-2bpo10+1 Id: 2/10

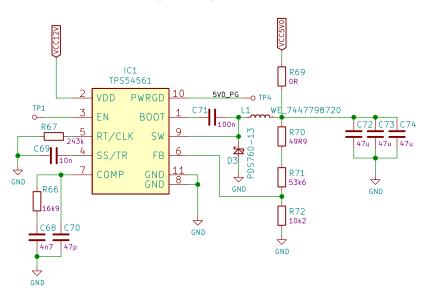


# External 12V supply

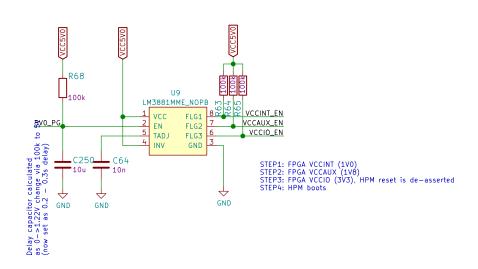


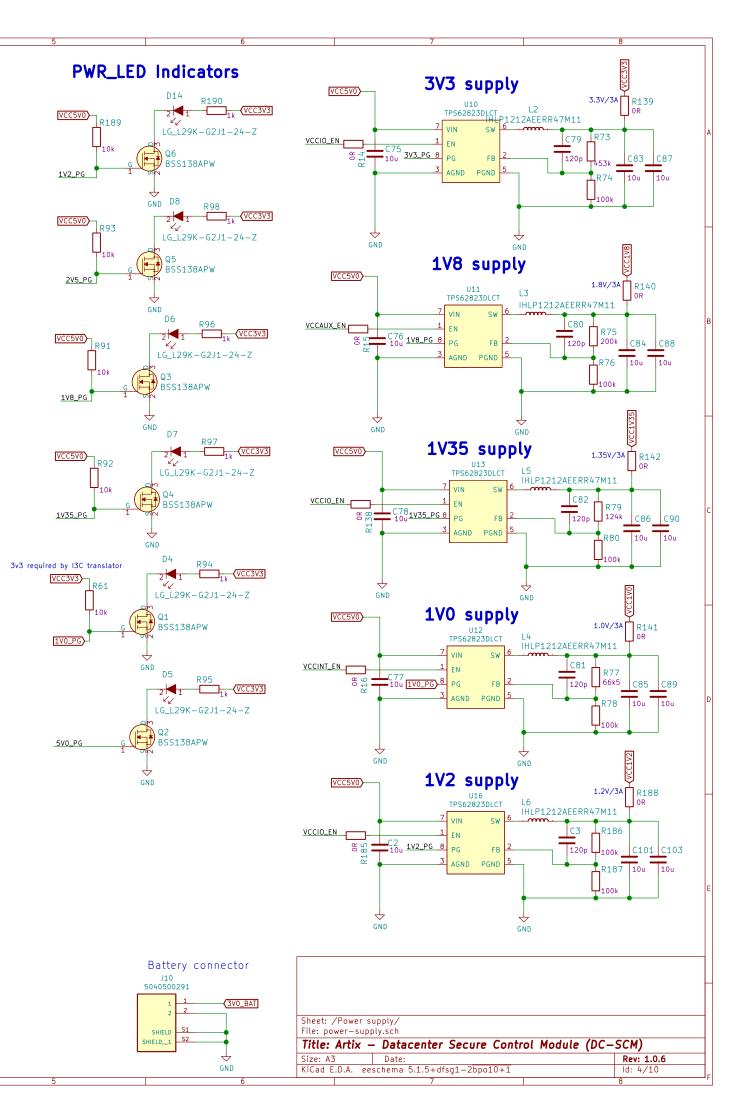
# MainSupply (5V 5A)

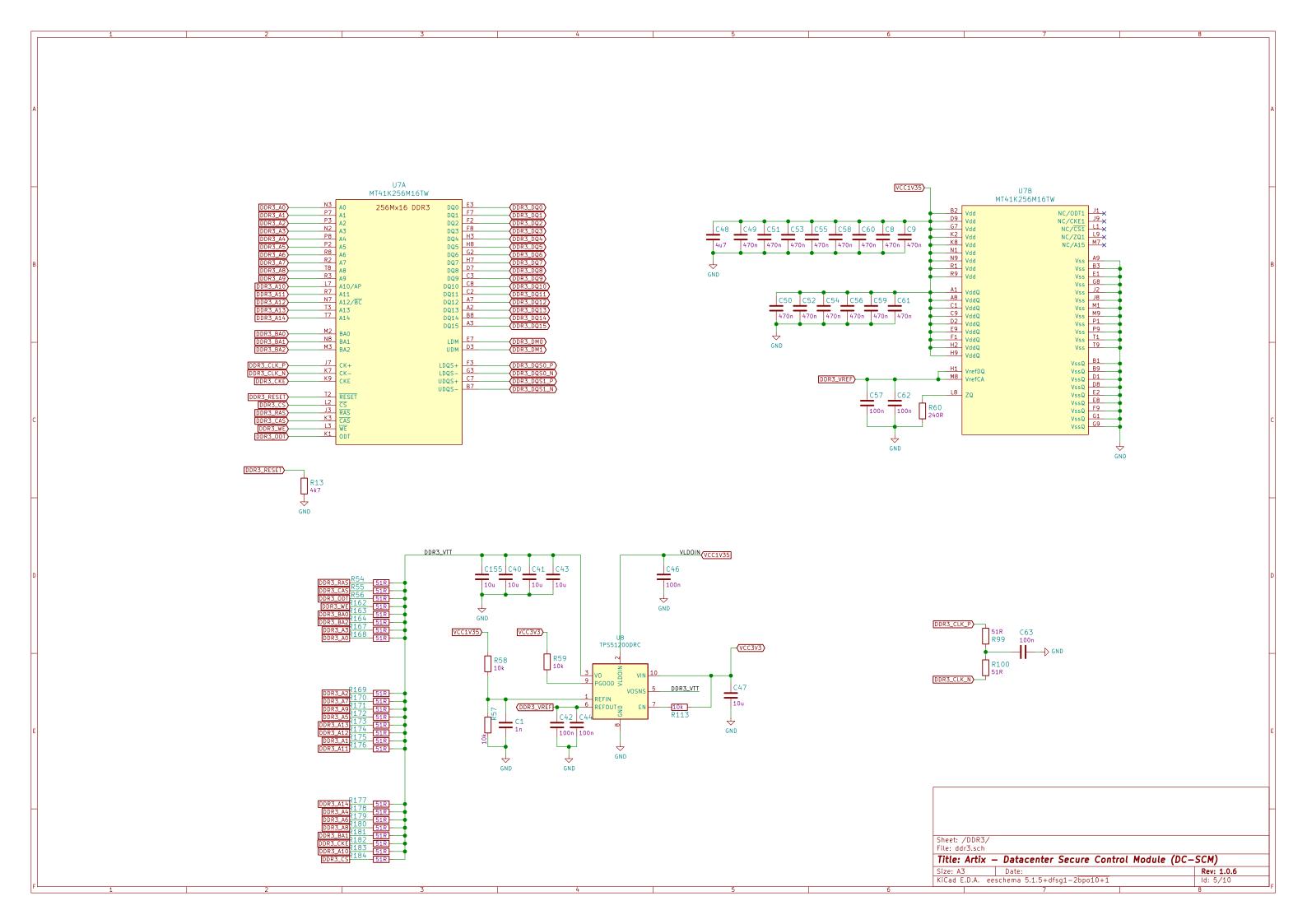


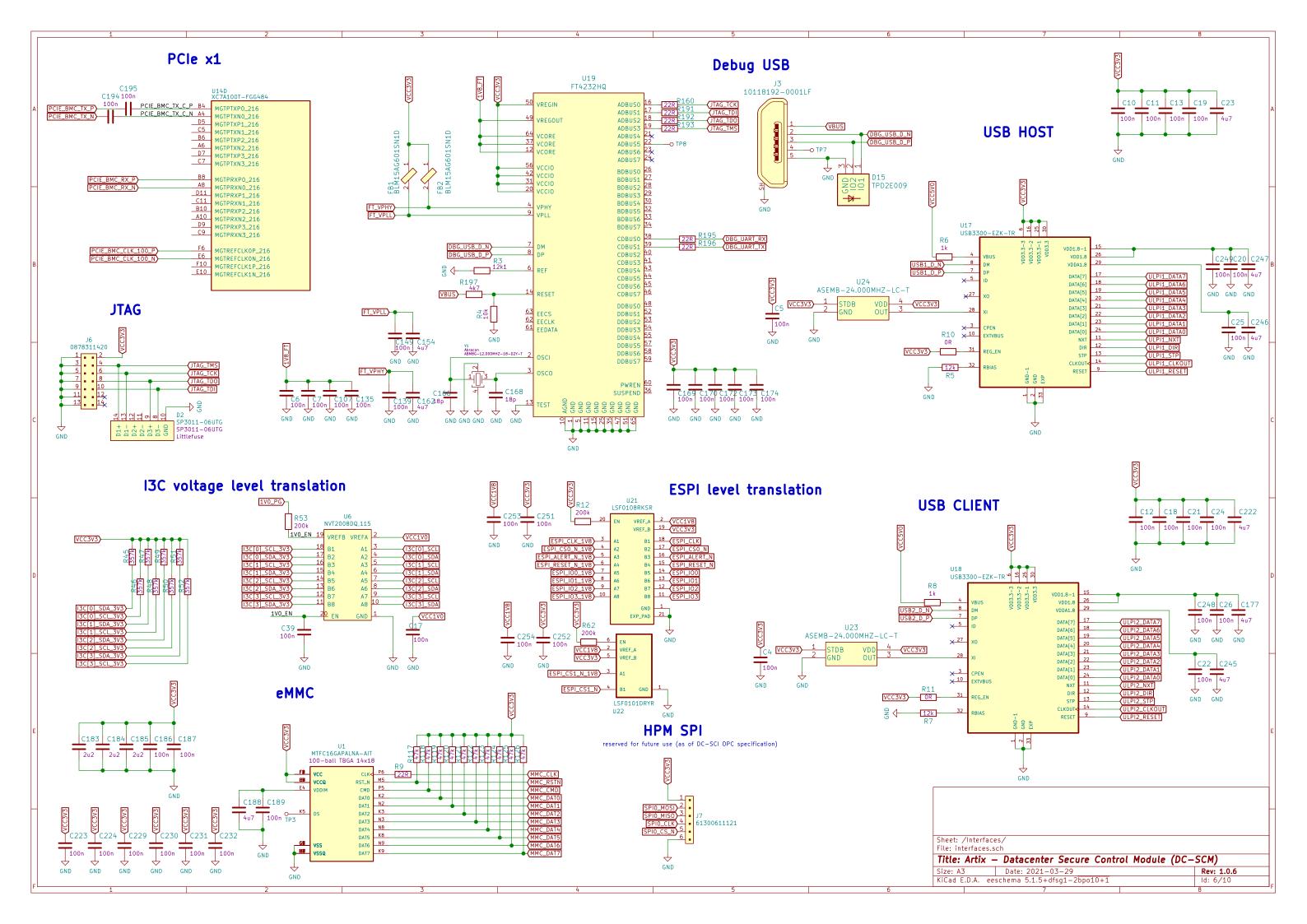


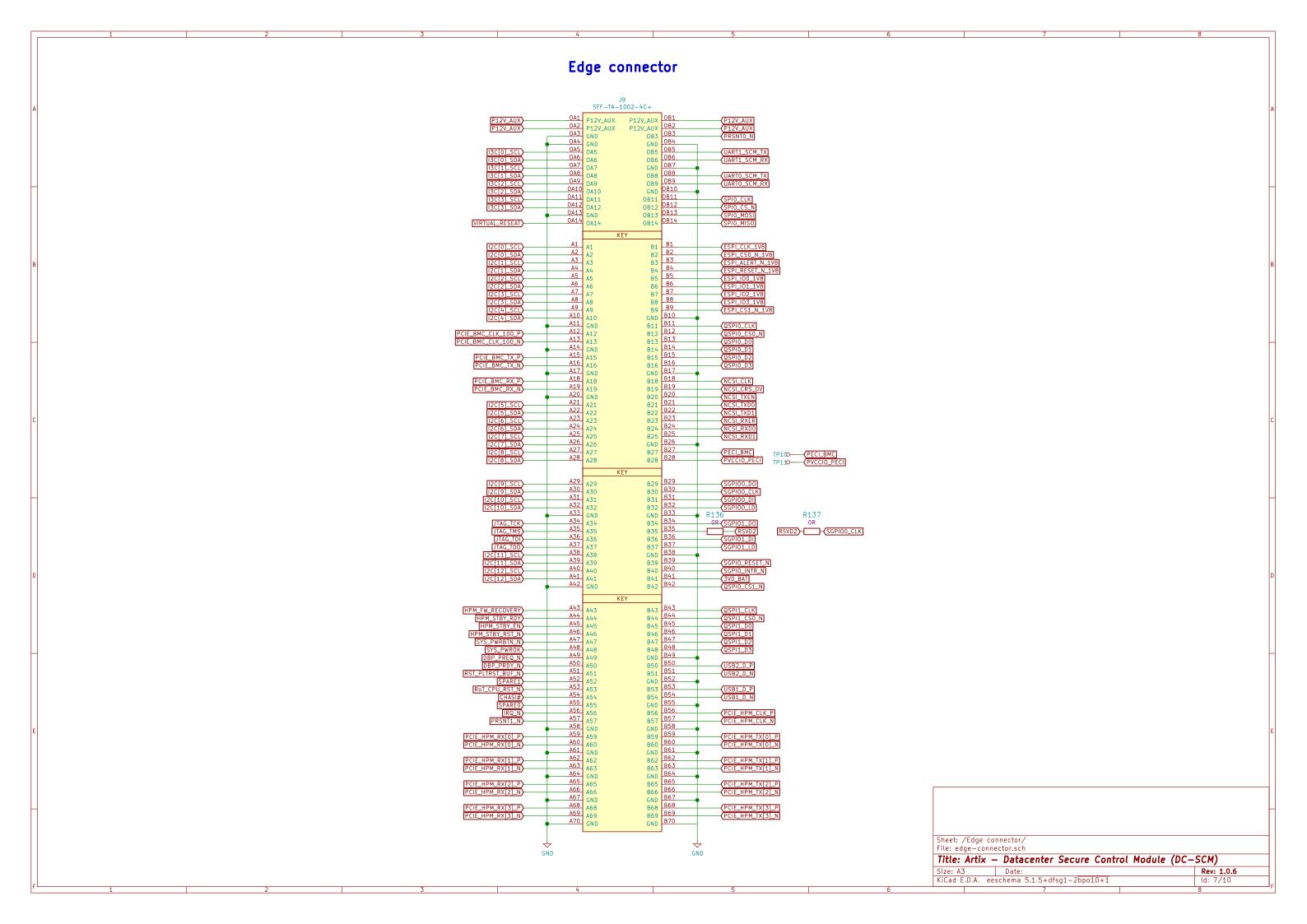
# Power sequencer



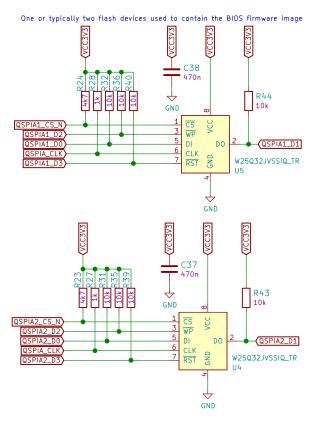




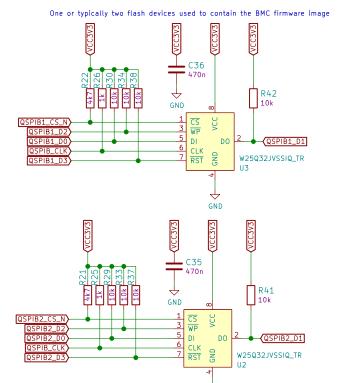




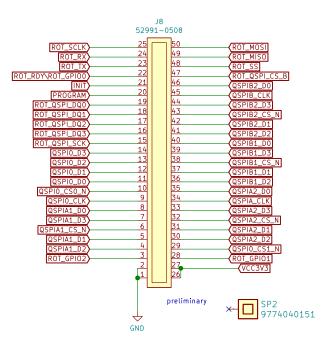
#### BIOS flash



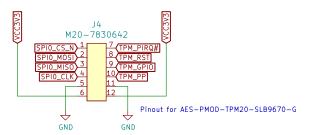
# **BMC** flash



# RoT module connector



#### TPM connector

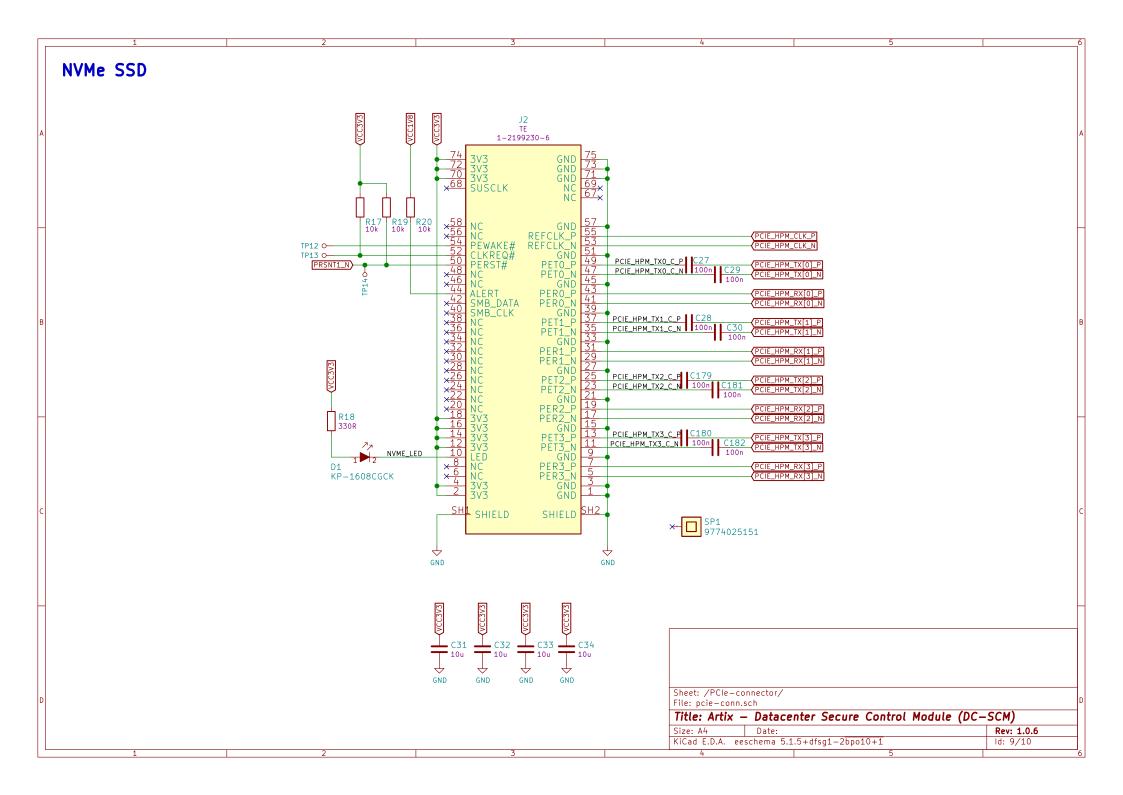


Sheet: /RoT/
File: rot.sch

Title: Artix — Datacenter Secure Control Module (DC-SCM)

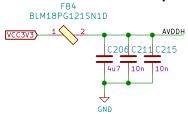
Size: A3 Date: Rev: 1.0.6

KiCad E.D.A. eeschema 5.1.5+dfsg1-2bpo10+1 Id: 8/10

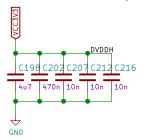


# DVDDL decoupling C196 C197 C201 C205 C210 C214 C217 C218 C219 4u7 470n 470n 470n 10n 10n 10n 10n 10n GND

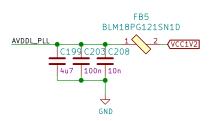
# **AVDDH** decoupling



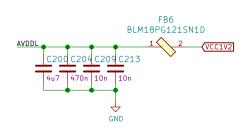
# DVDDH decoupling



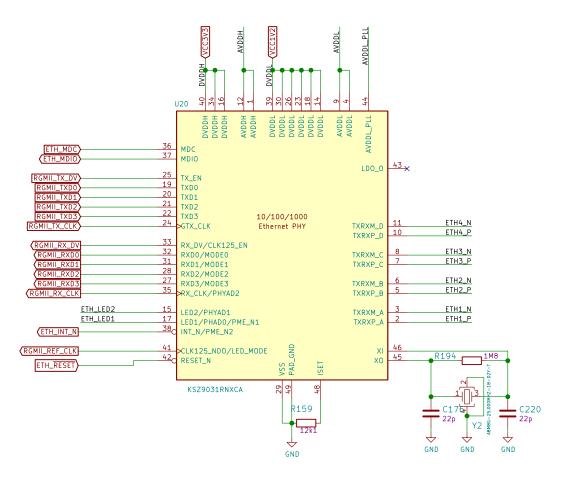
# AVDDL\_PLL decoupling



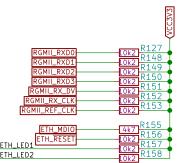
# AVDDL decoupling



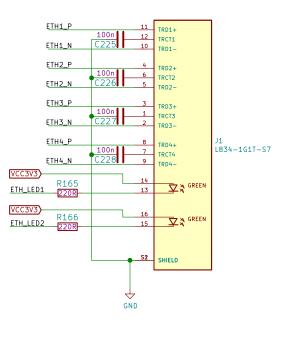
# PHY



# Pull up resistors



# **RJ45 Connector**



Sheet: /Ethernet/
File: ethernet.sch

Title: Artix — Datacenter Secure Control Module (DC-SCM)

Size: A3 Date: Rev: 1.0.6

KiCad E.D.A. eeschema 5.1.5+dfsg1-2bpo10+1 Id: 10/10