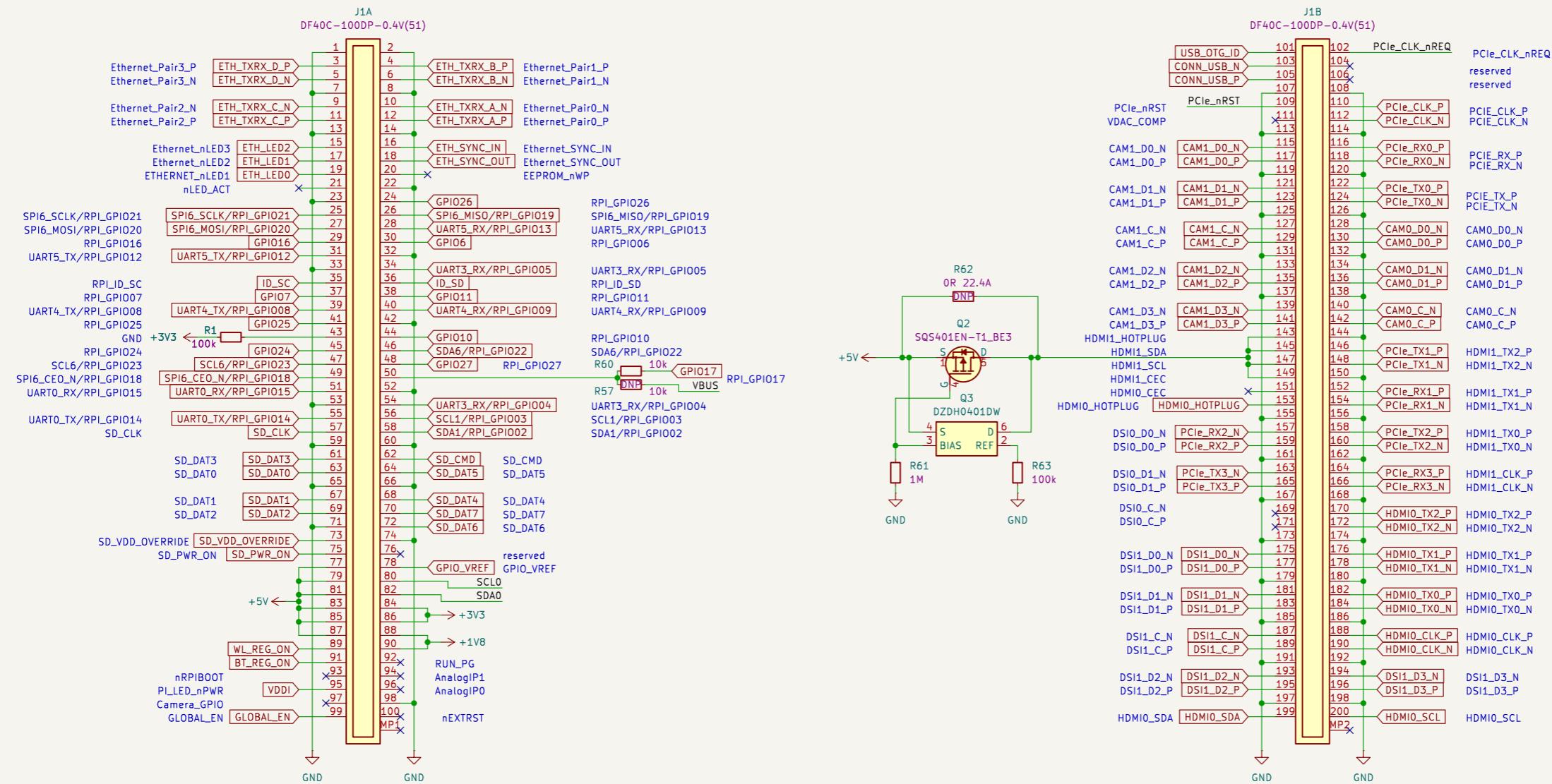
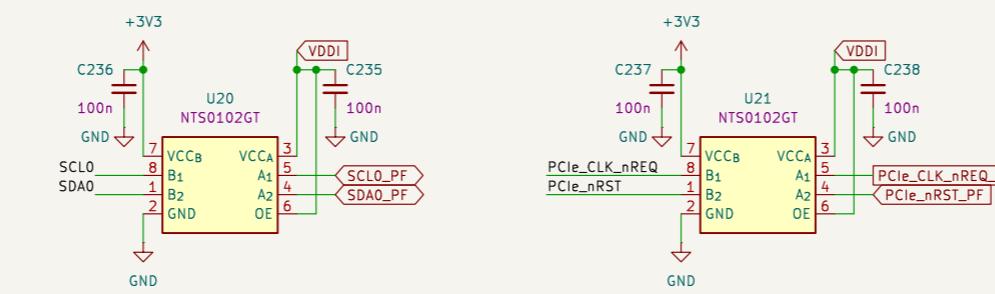


- | | |
|------|-------------------------------|
| Logo | N1
antmicro_logo |
| Logo | N2
oshw_logo |
| x1 | MP1
MP_Pad5.4mm_Drill2.7mm |
| x1 | MP2
MP_Pad5.4mm_Drill2.7mm |
| x1 | MP3
MP_Pad5.4mm_Drill2.7mm |
| x1 | MP4
MP_Pad5.4mm_Drill2.7mm |

CM4 compatible connectors



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Sheet: /Connectors/

File: connectors.kicad_sch

Title: PolarFire SoM

Size: A3 Date: 2024-02-19

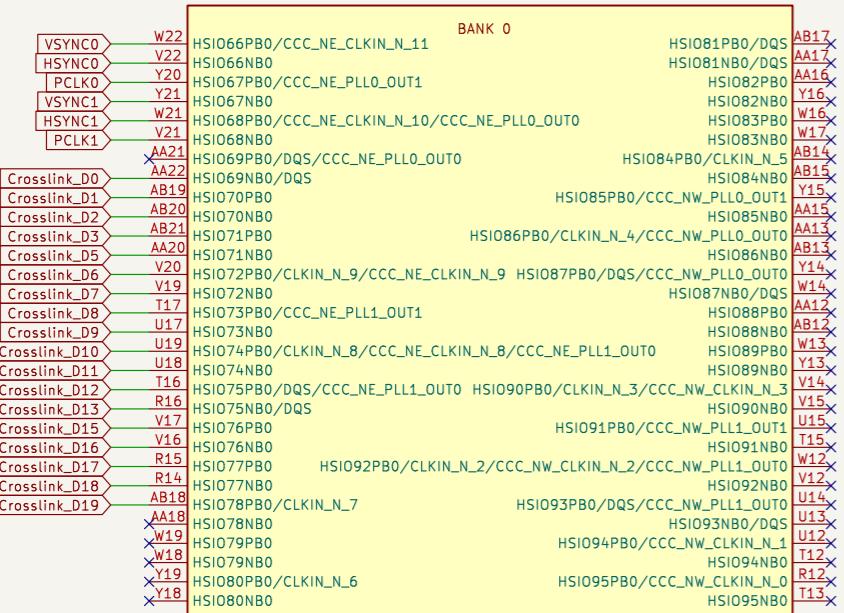
KiCad E.D.A. kicad-cl 7.0.10+1

Rev: 1.0.0:ab448

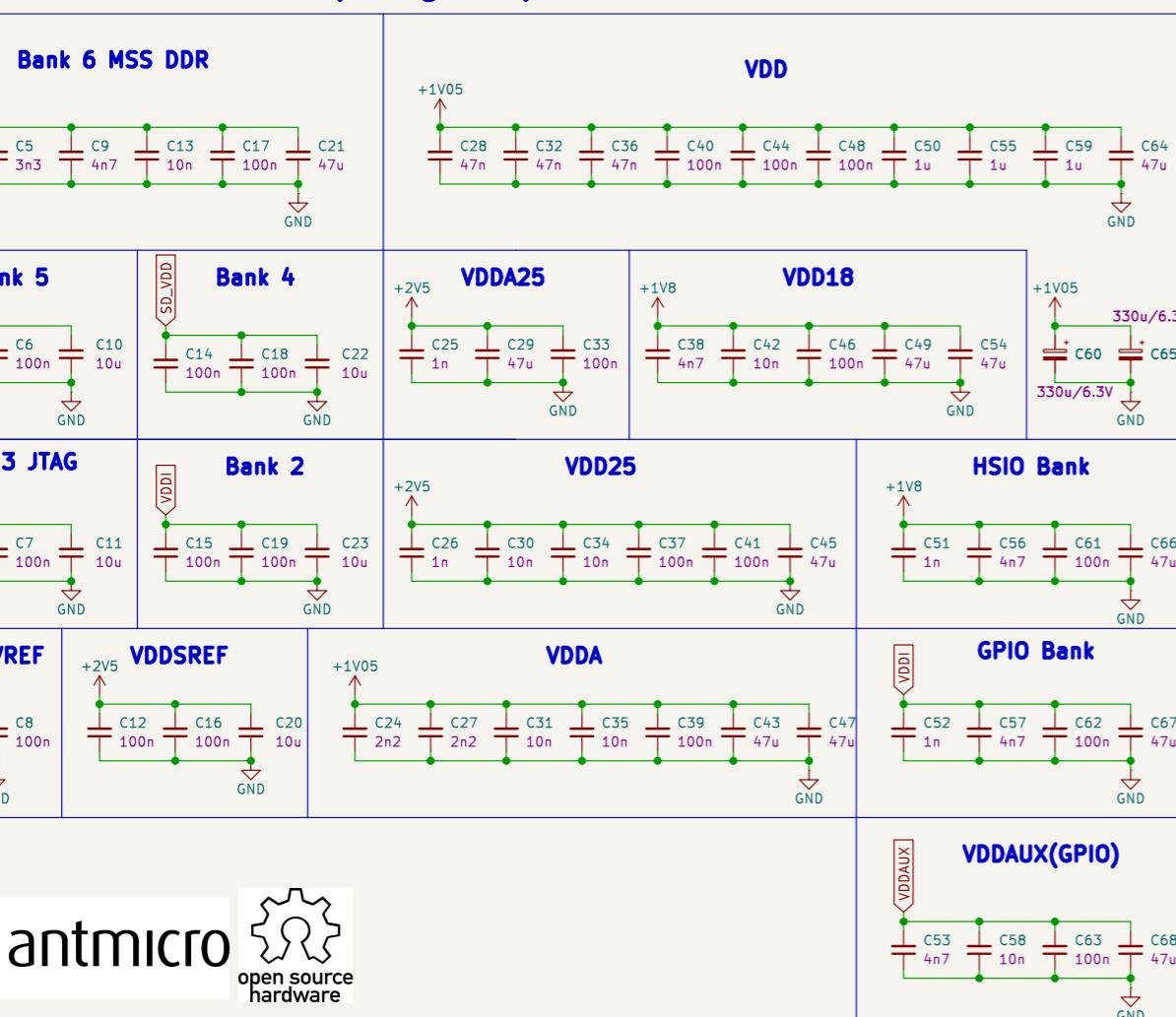
Id: 2/12



U1A
MPFS250T-FCVG484

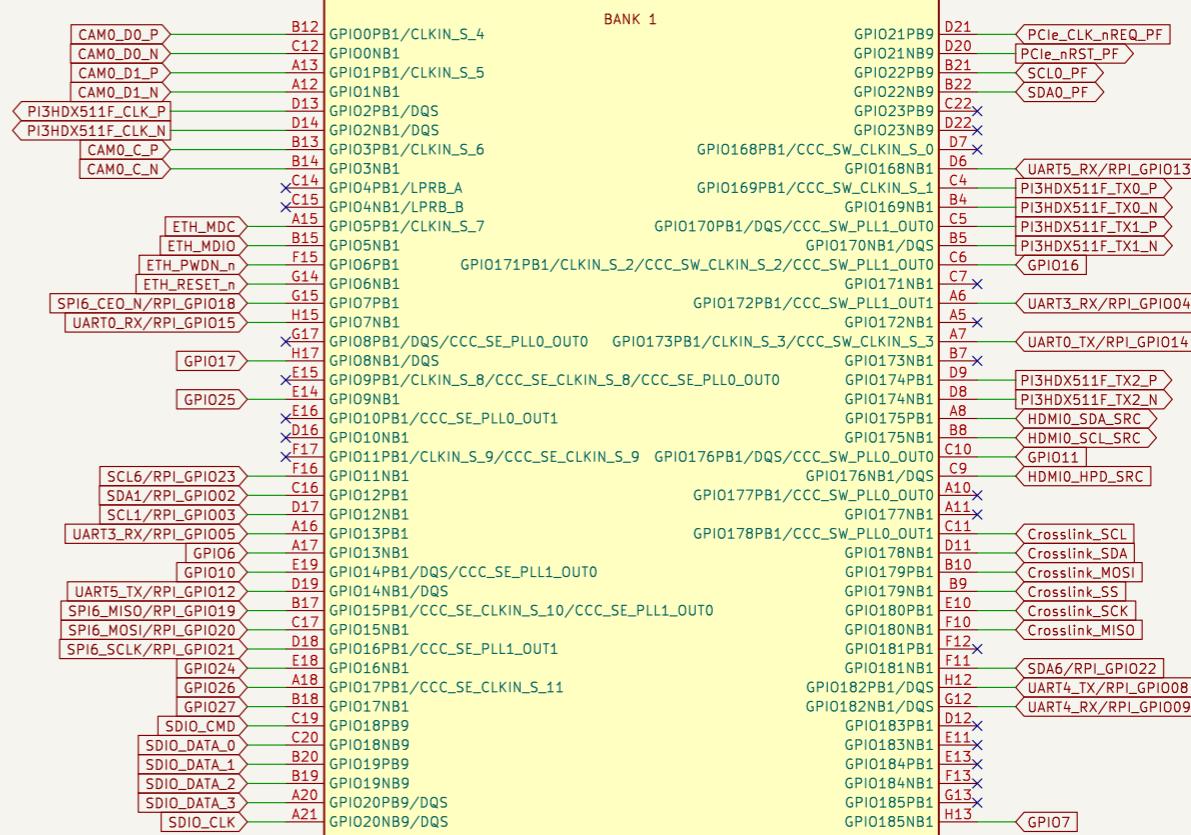


Decoupling capacitors

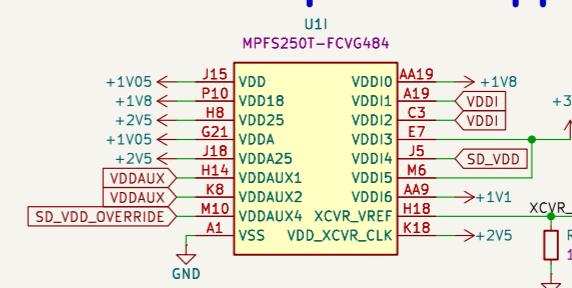


PolarFire Bank 1 GPIO

MPFS250T-FCVG484

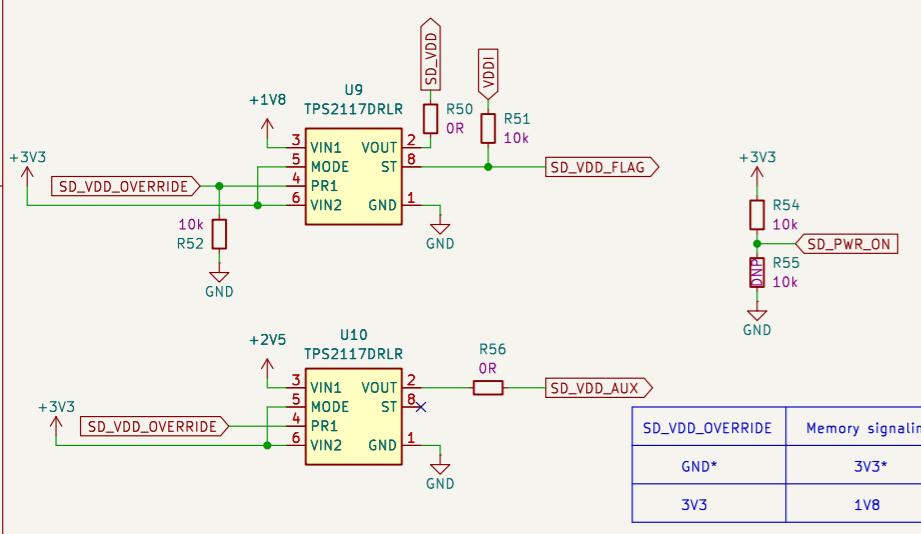


PolarFire power supply

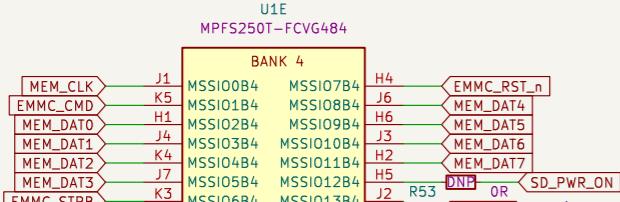




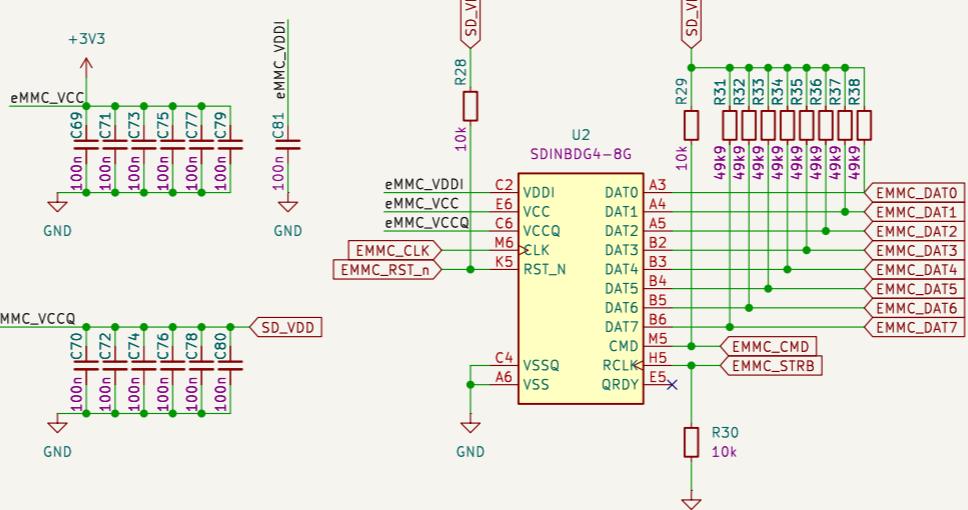
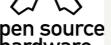
Memory supply logic



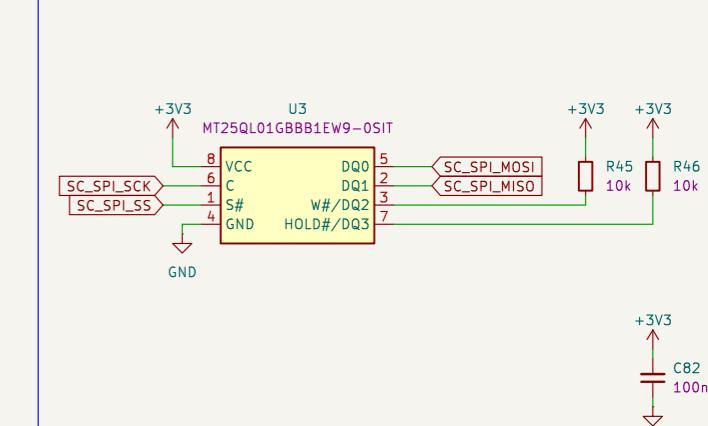
PolarFire Bank 4 MSSIO

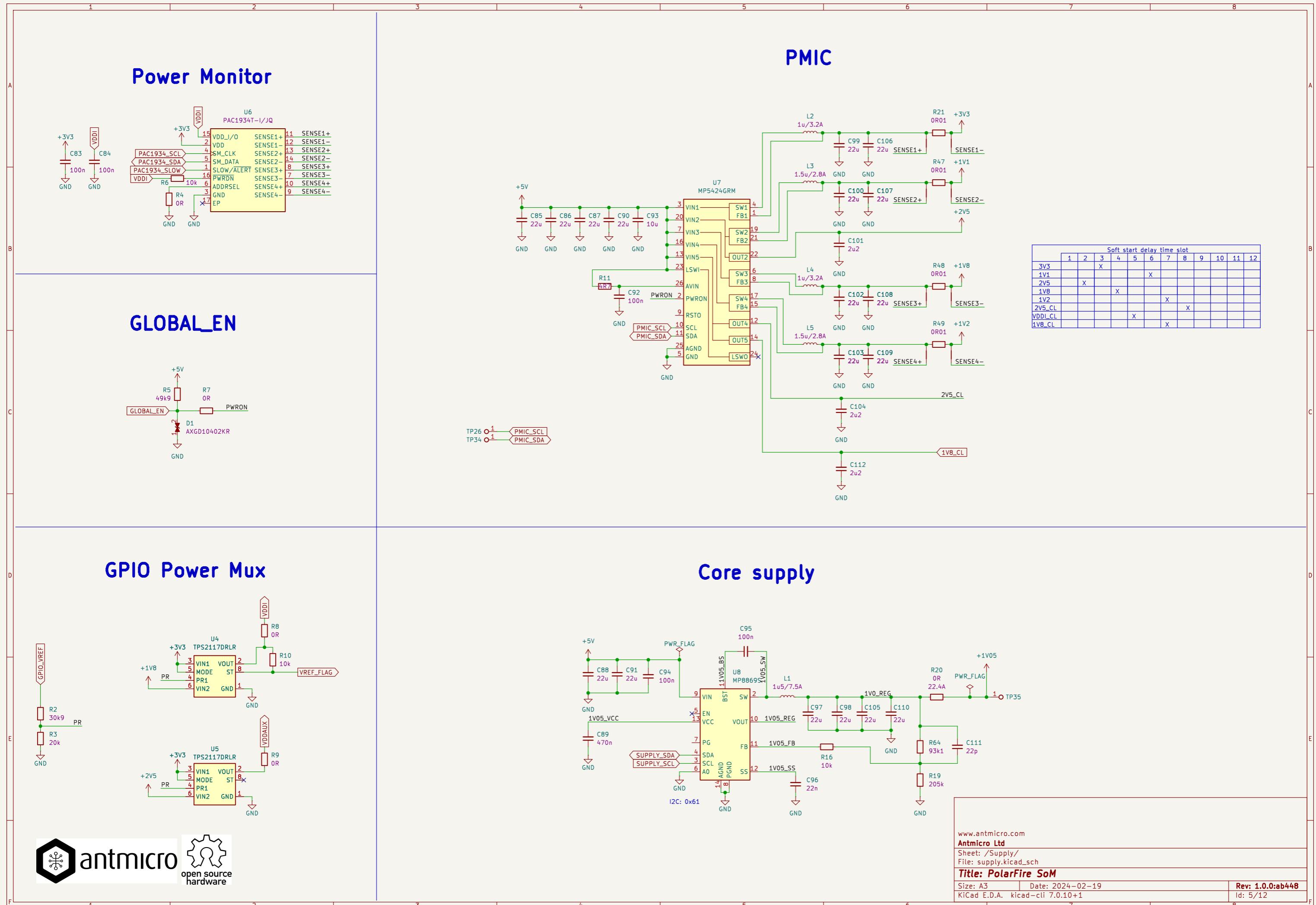


To use SD card on baseboard
set SD_PWR_ON to 3V3 on PF So

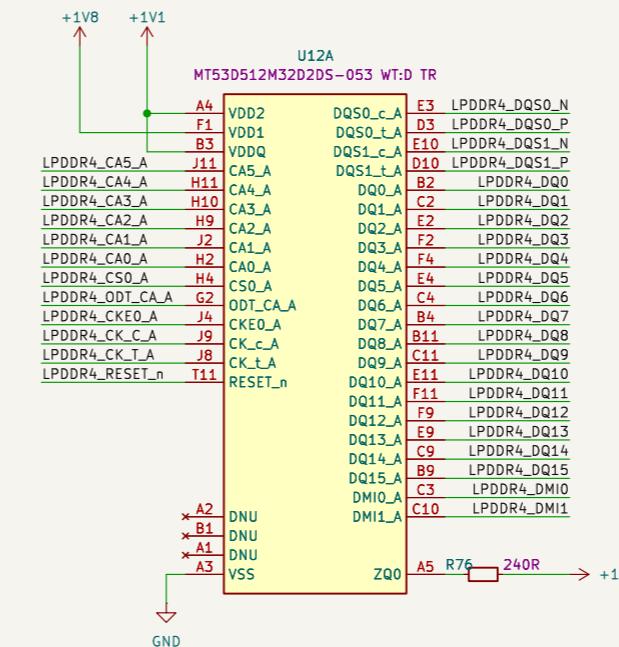
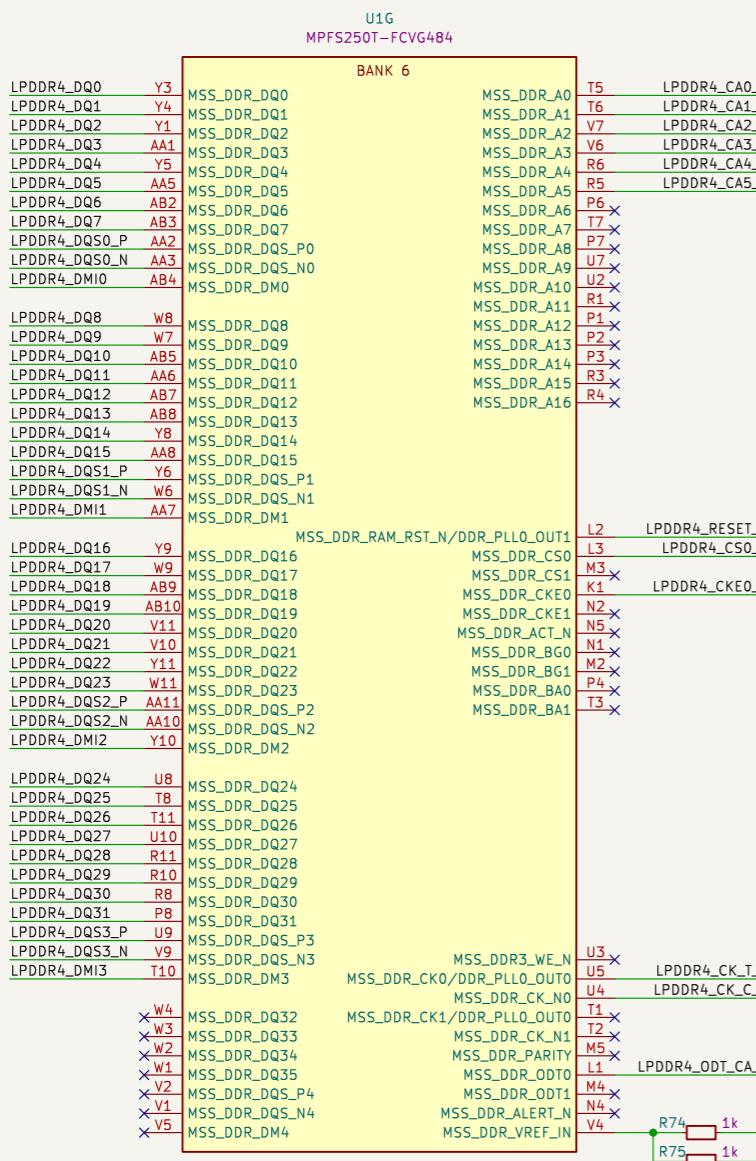


SPI FLASH

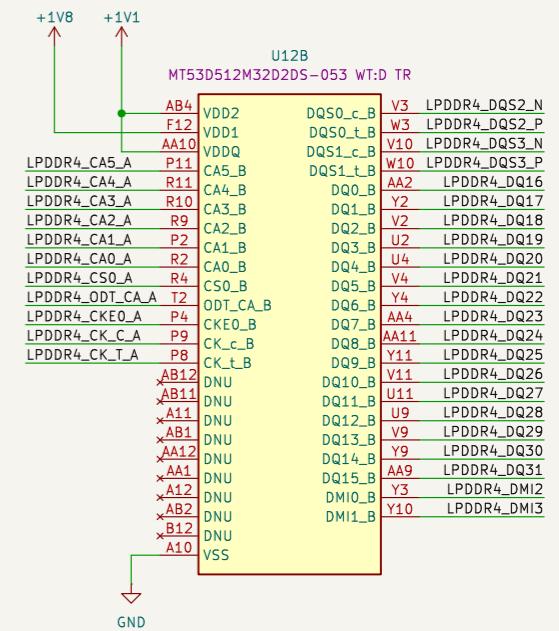




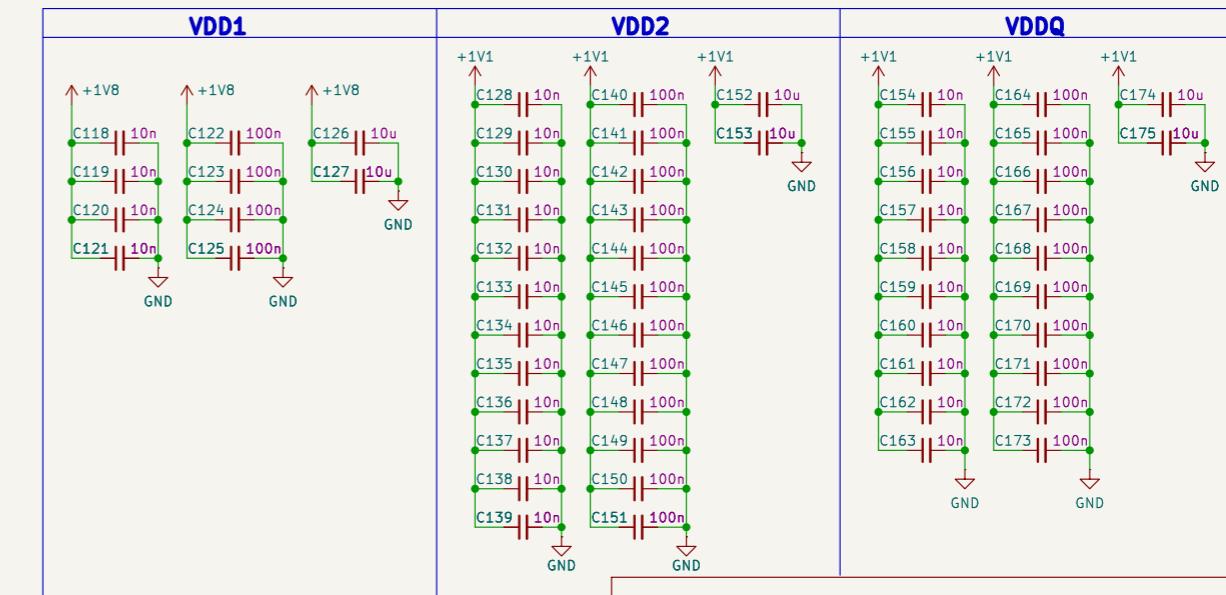
PolarFire Bank 6 MSS_DDR



LPDDR4



Decoupling capacitors



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Sheet: /LPDDR4/

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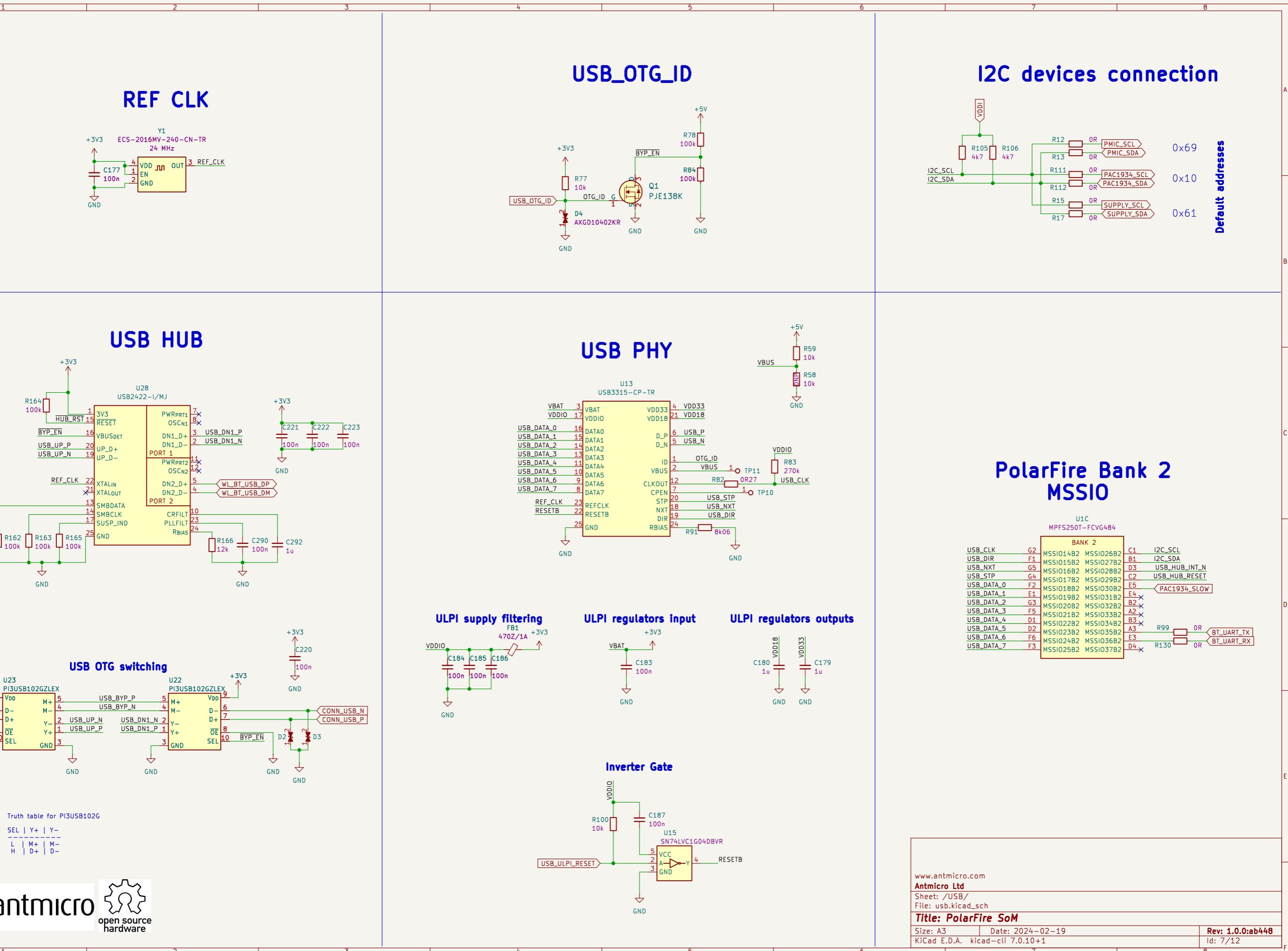
Title: PolarFire SoM

Size: A3 Date: 2024-02-19

KiCad E.D.A. kicad-cl 7.0.10+1

Rev: 1.0.0:ab448

Id: 6/12



A

A

B

B

C

C

D

D

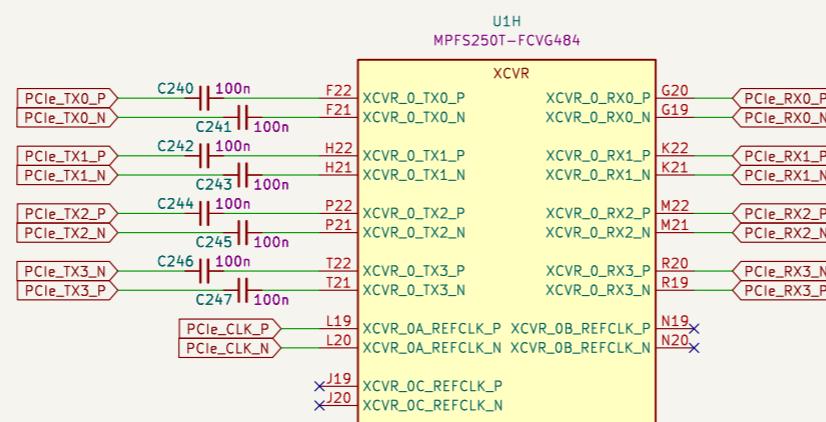
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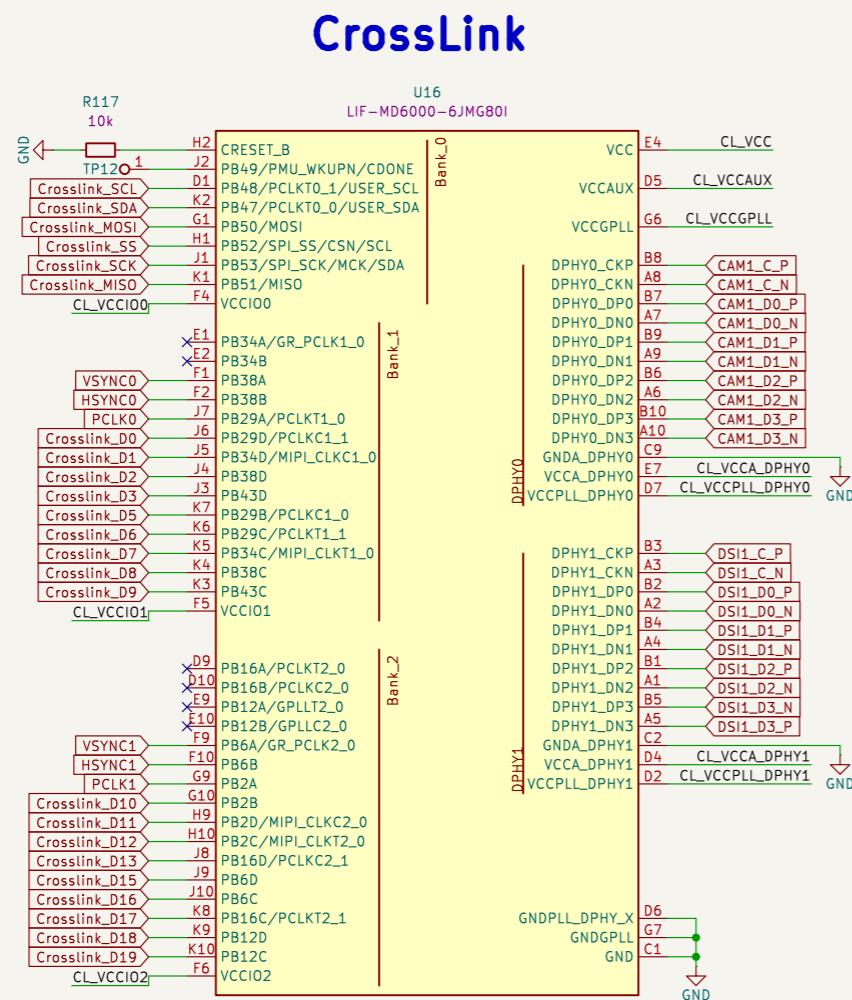
E

F

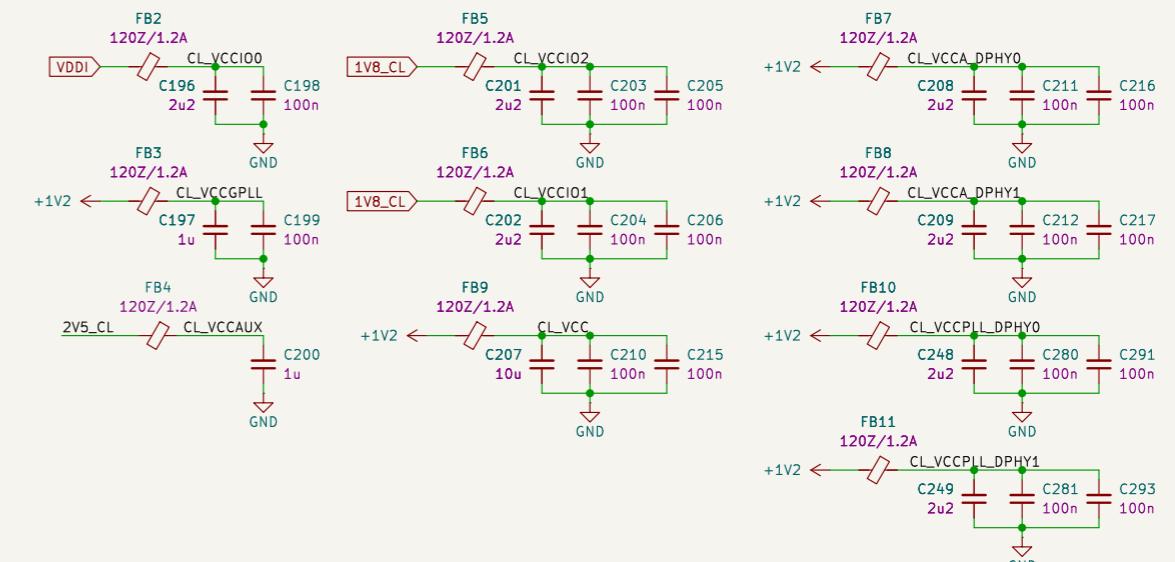
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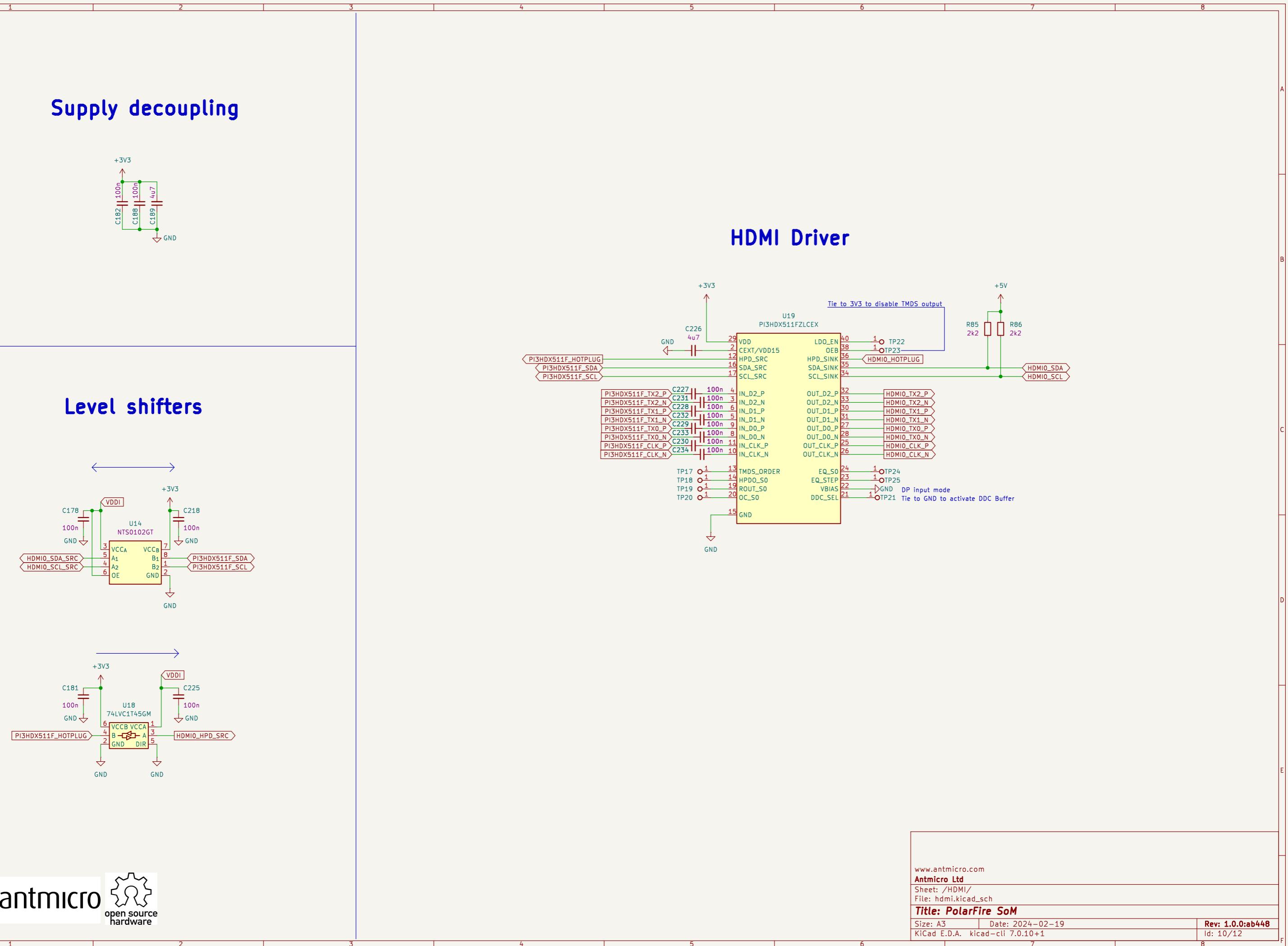
PolarFire Transceivers



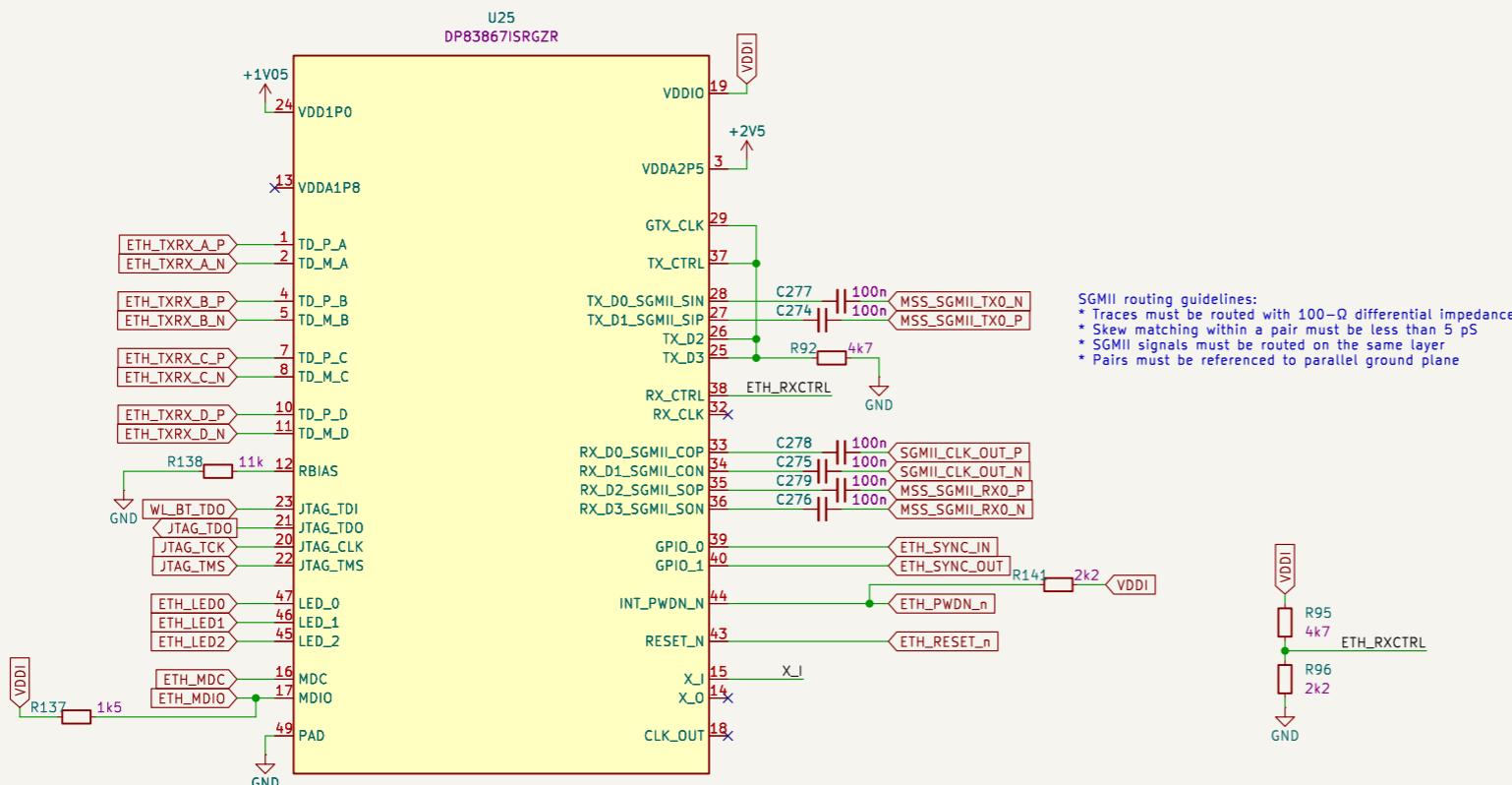


Power filtering

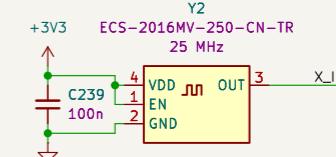




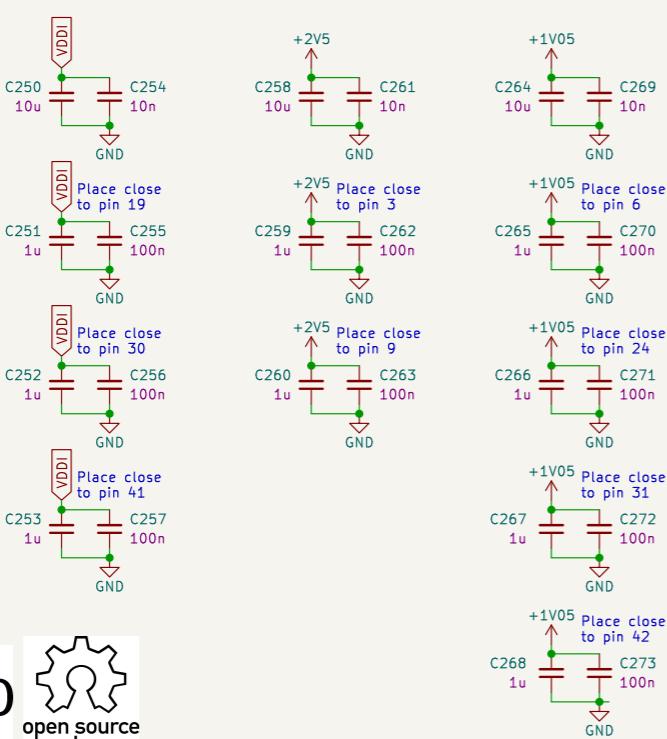
Gigabit Ethernet PHY transceiver with SGMII



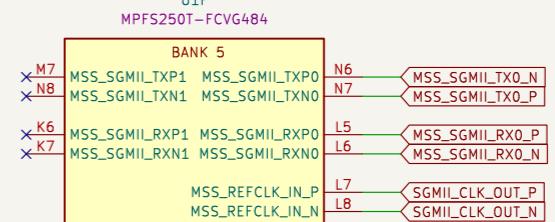
Clock

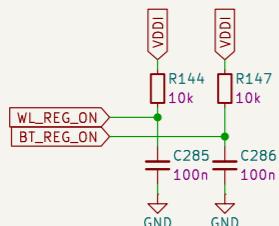


Decoupling capacitors

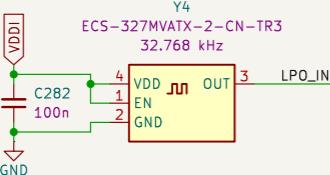


PolarFire Bank 5 MSS_SGMII

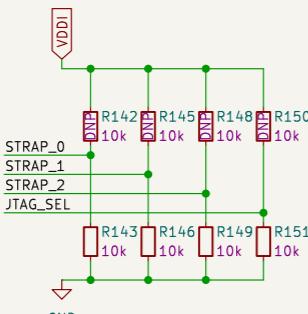




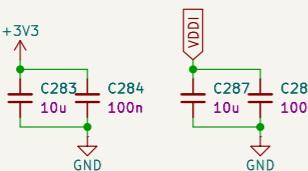
Sleep clock



Config



Decoupling



WiFi and Bluetooth Module

