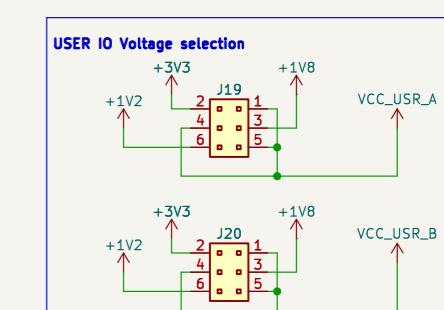
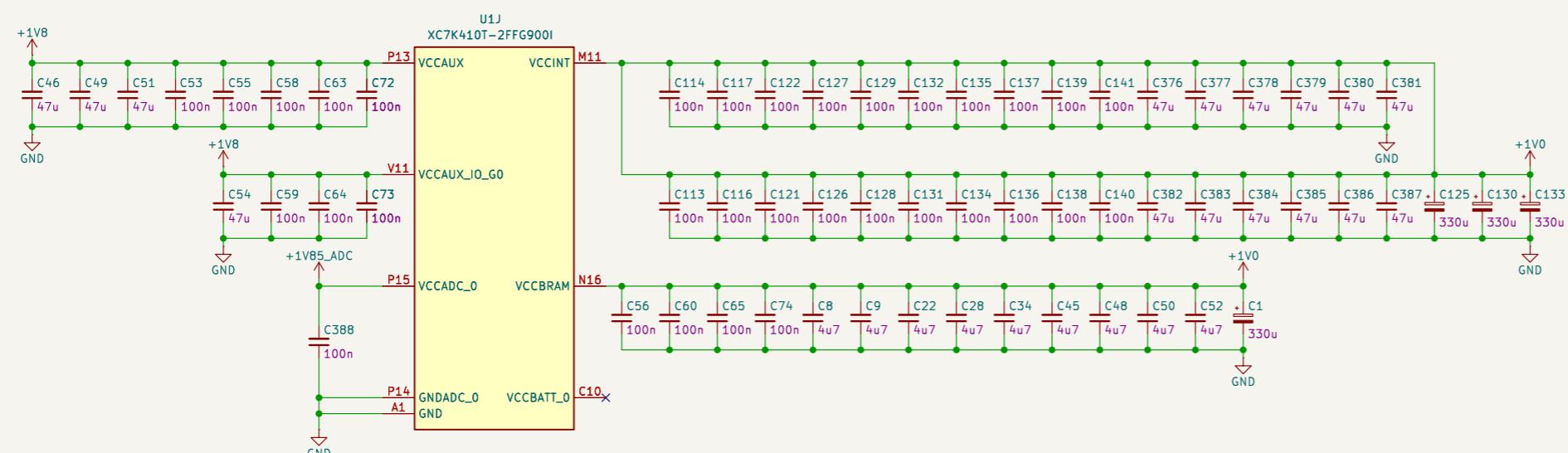
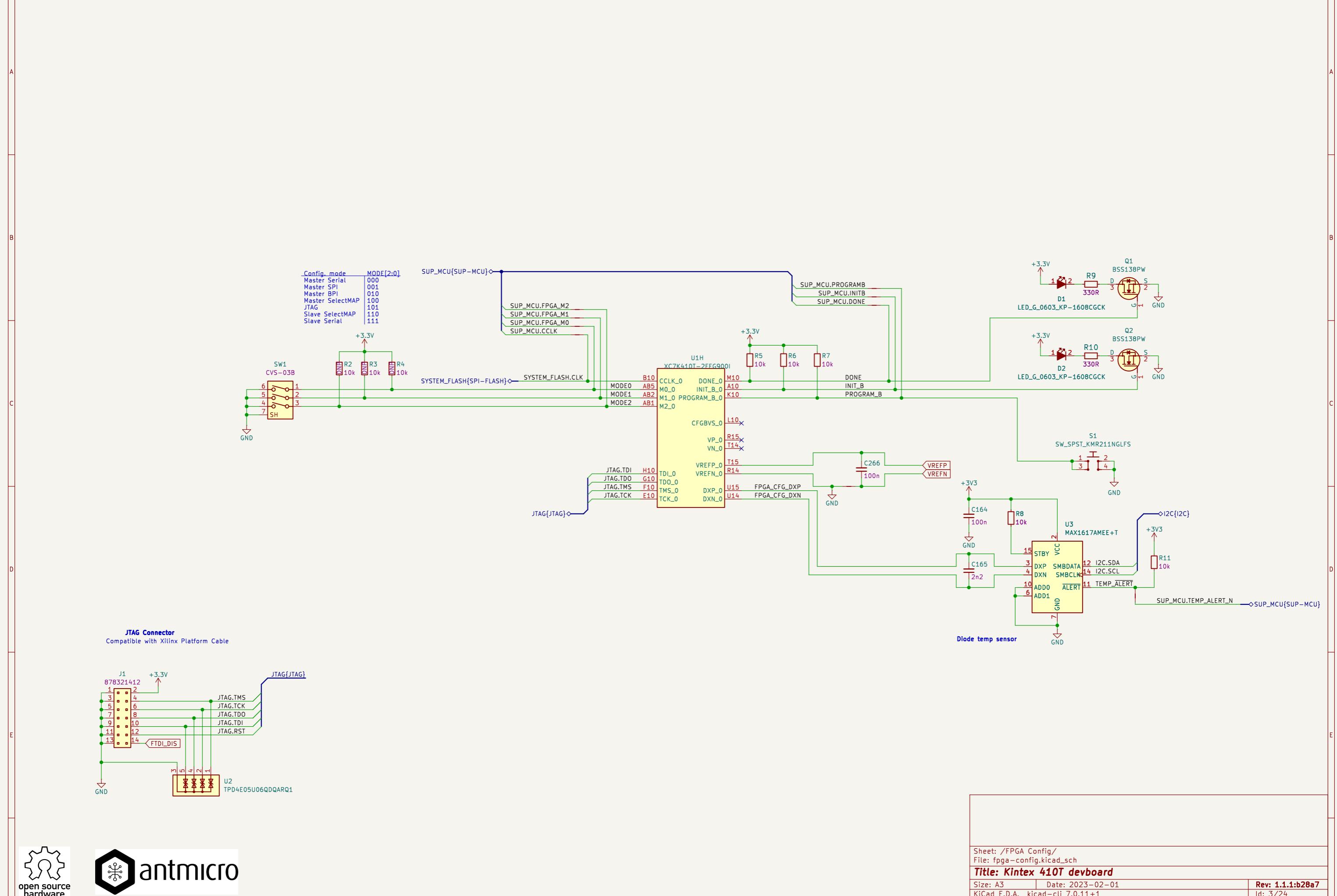


Trace length from the resistor pins to the  
FPGA pins MGTRREF and MGTAVTTRCAL  
must be equal in length.





A

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A

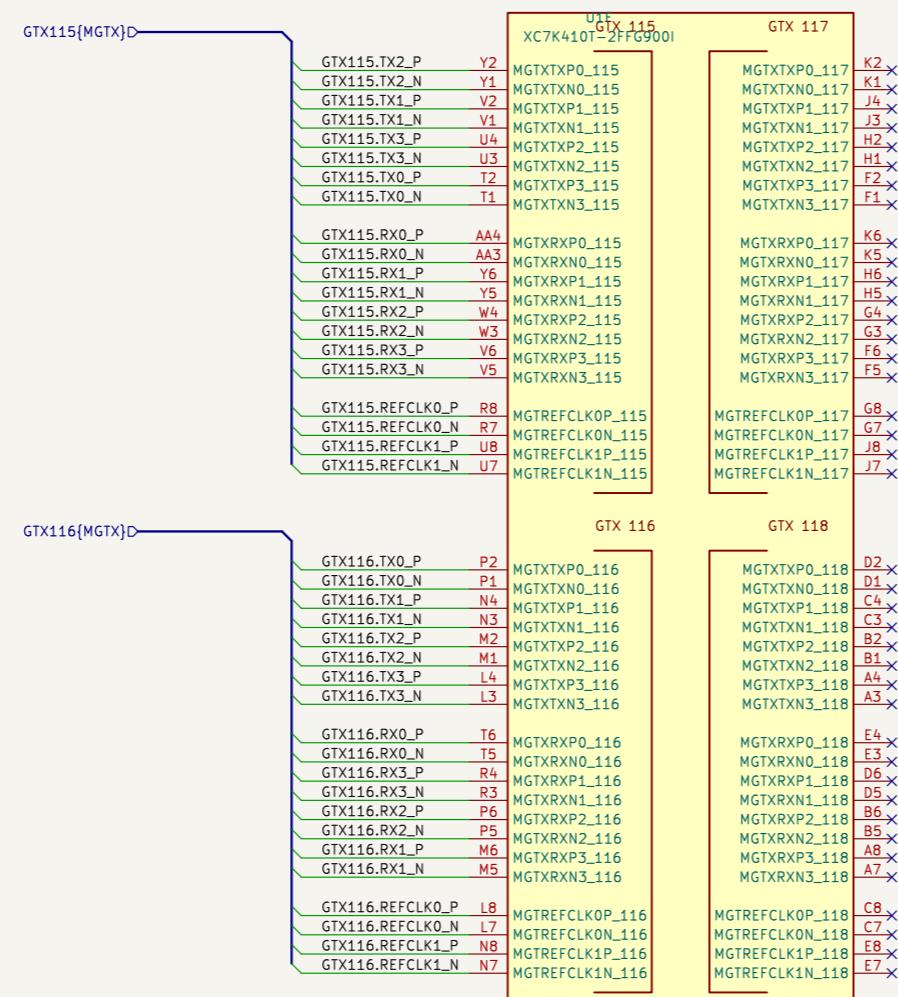
B

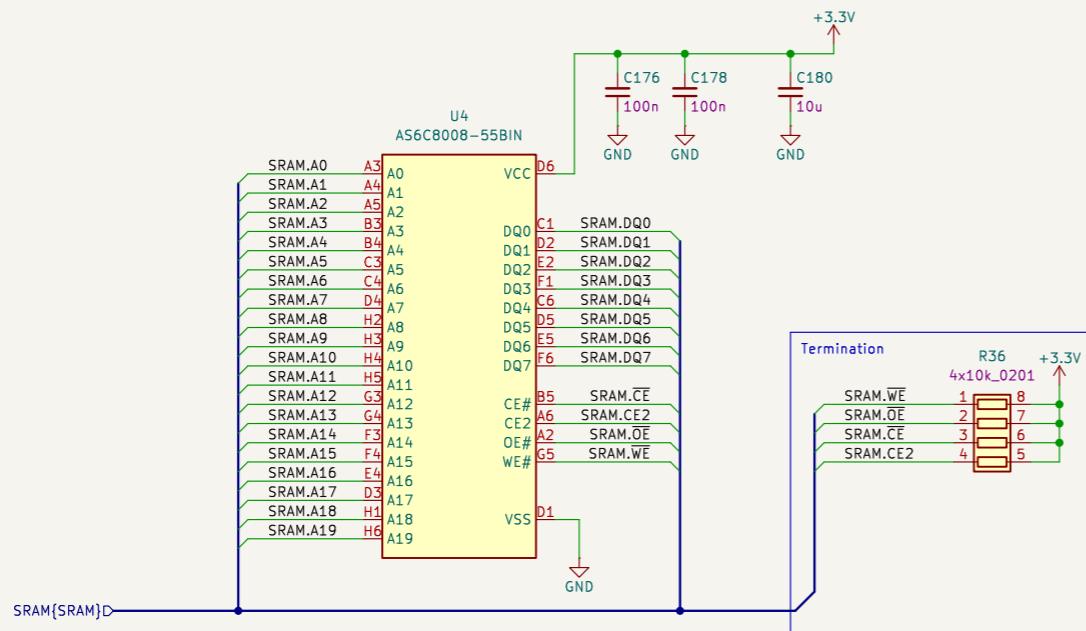
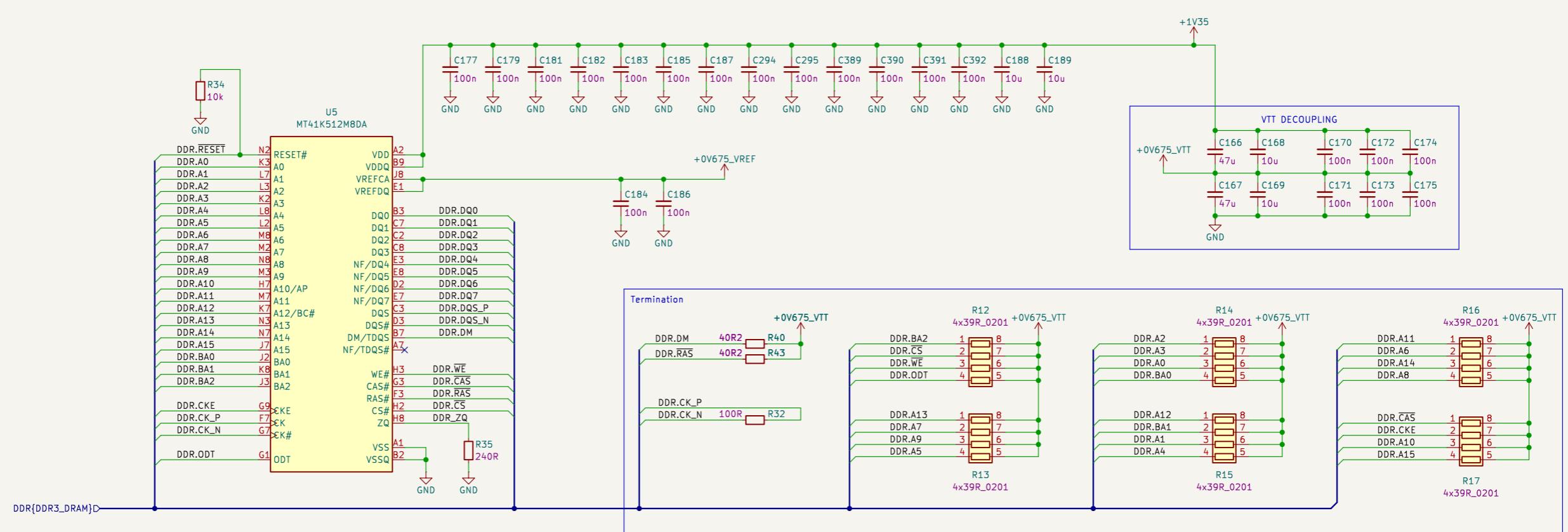
C

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 antmicro

Sheet: /DRAM + SRAM/  
File: ram.kicad\_sch

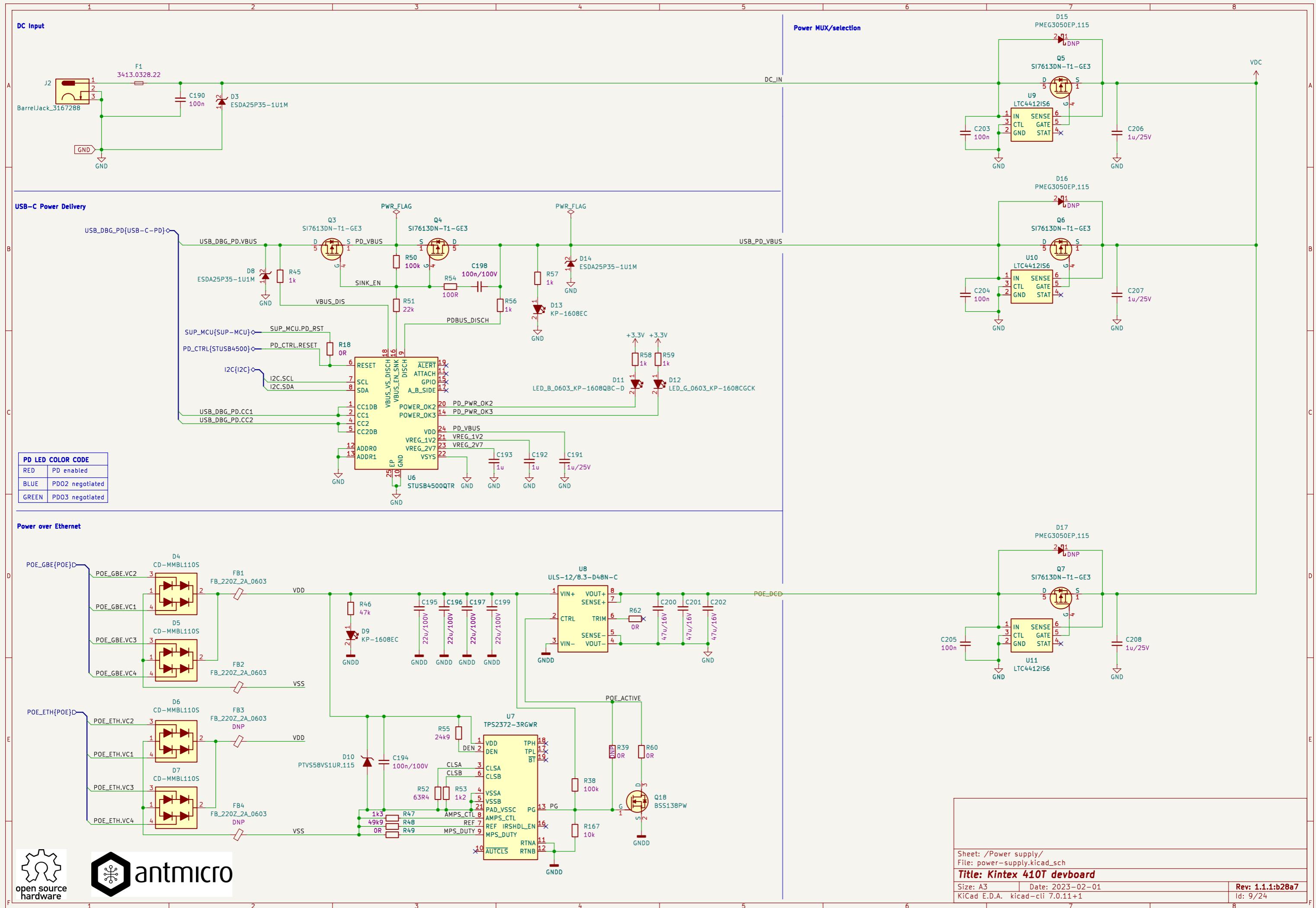
Title: Kintex 410T devboard

KiCad EDA kicad\_ali\_7.0.11+1

KiCad E.D.A. kicad-cli 7.0.11+1

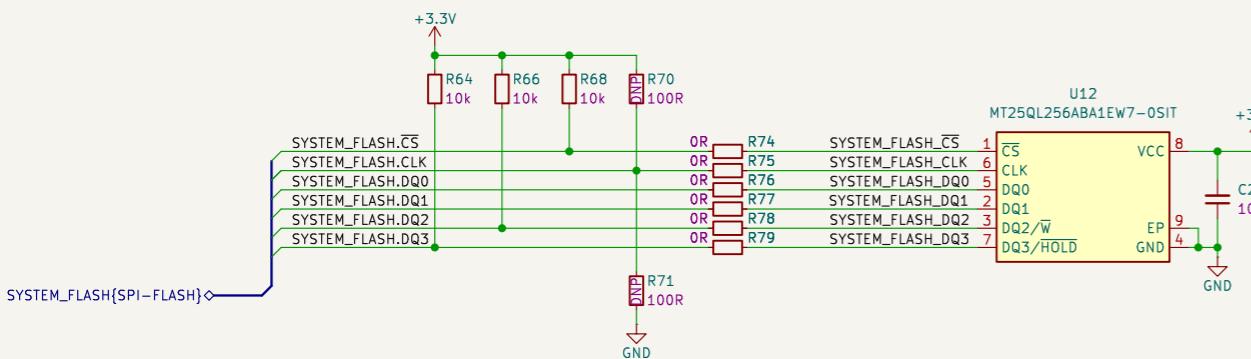
7

3

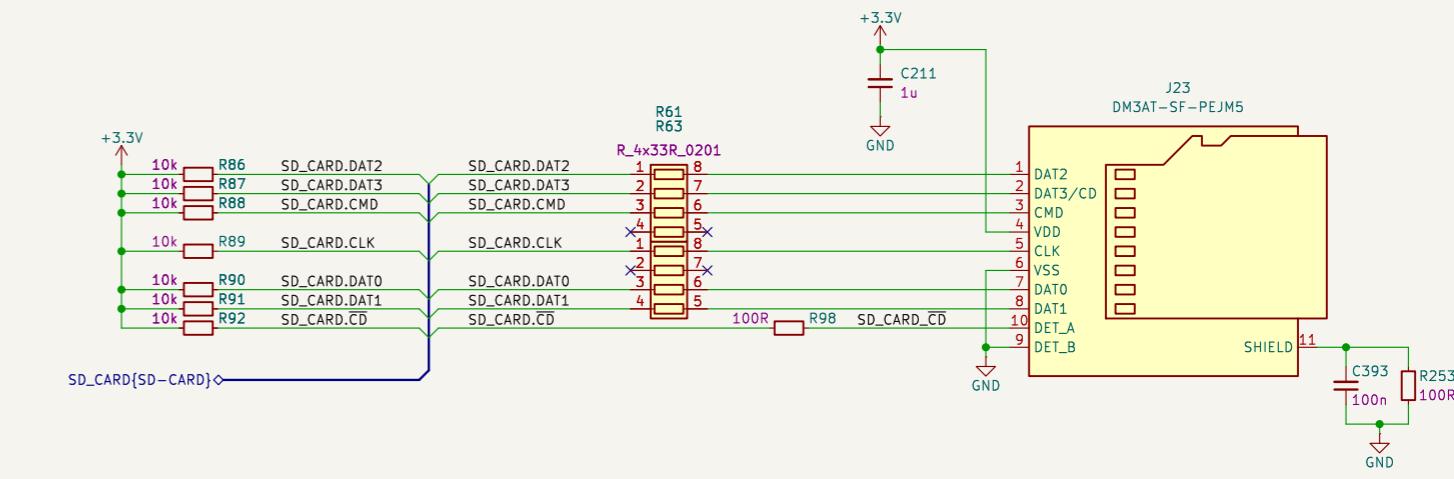


1 2 3 4 5 6 7 8

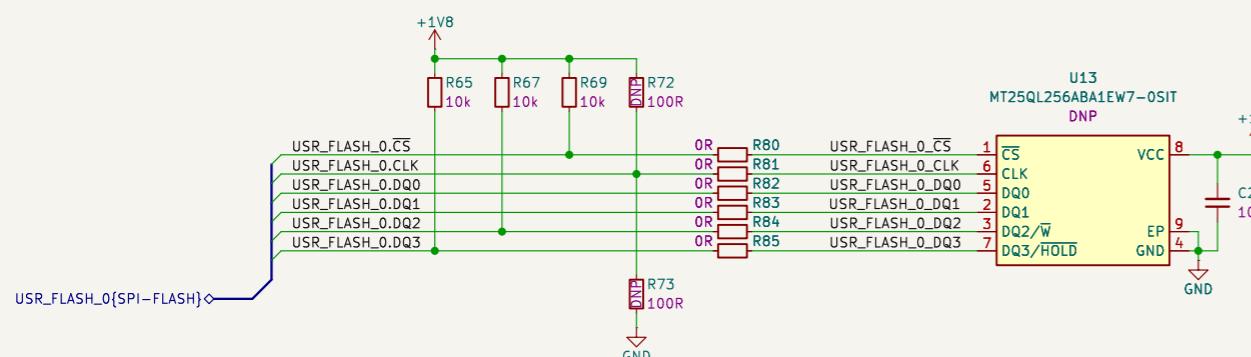
(Q)SPI flash

**Master SPI Quad (x4) configuration scheme**Follows Figure 2-14 7 Series FPGAs Configuration User Guide  
UG470 (v1.15)

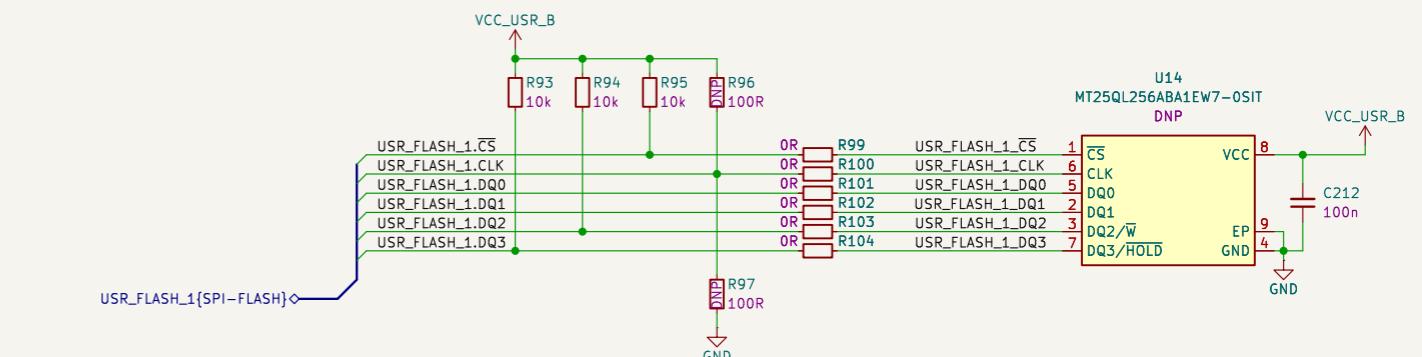
USER SD CARD



USER SPI flash 0

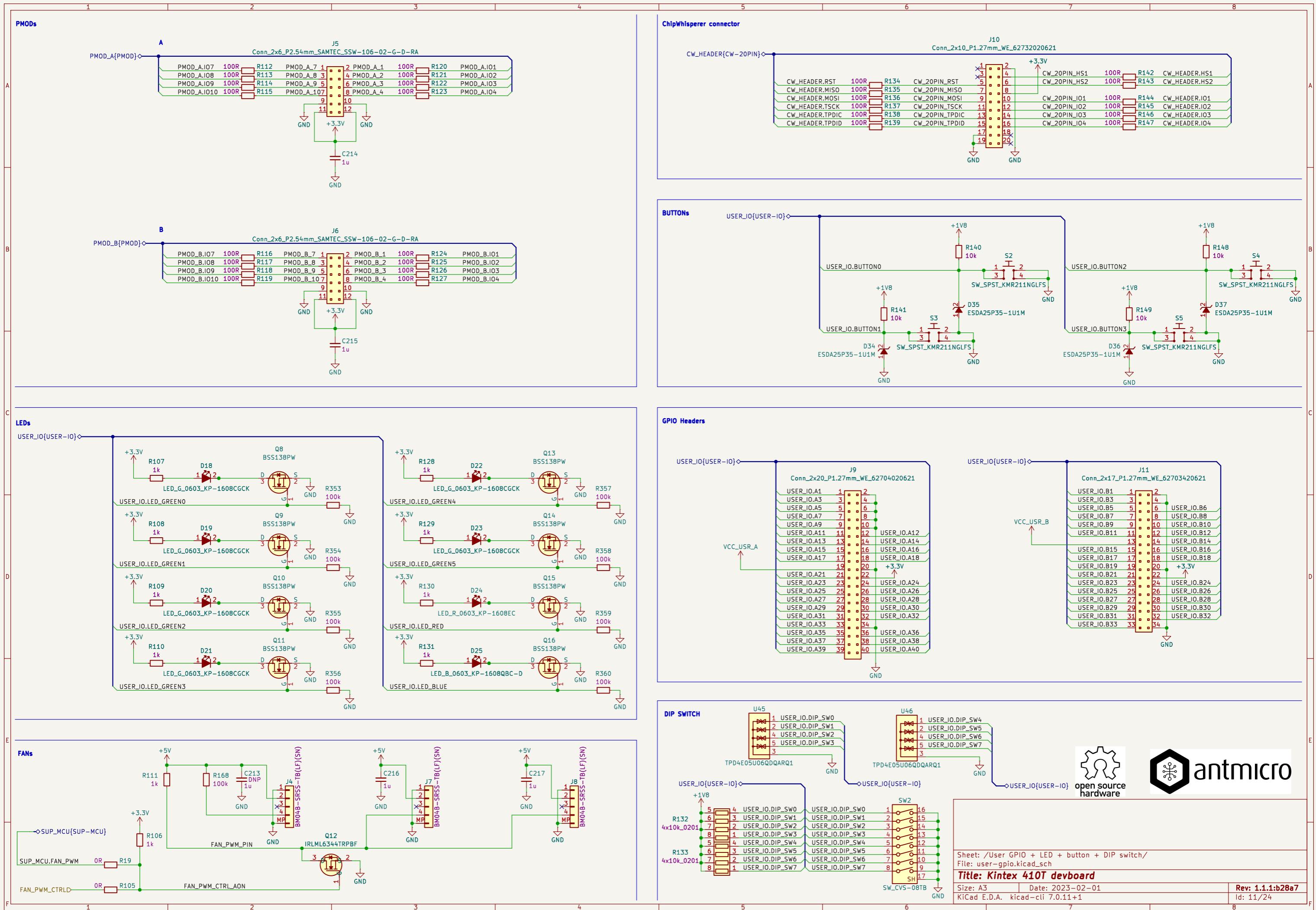


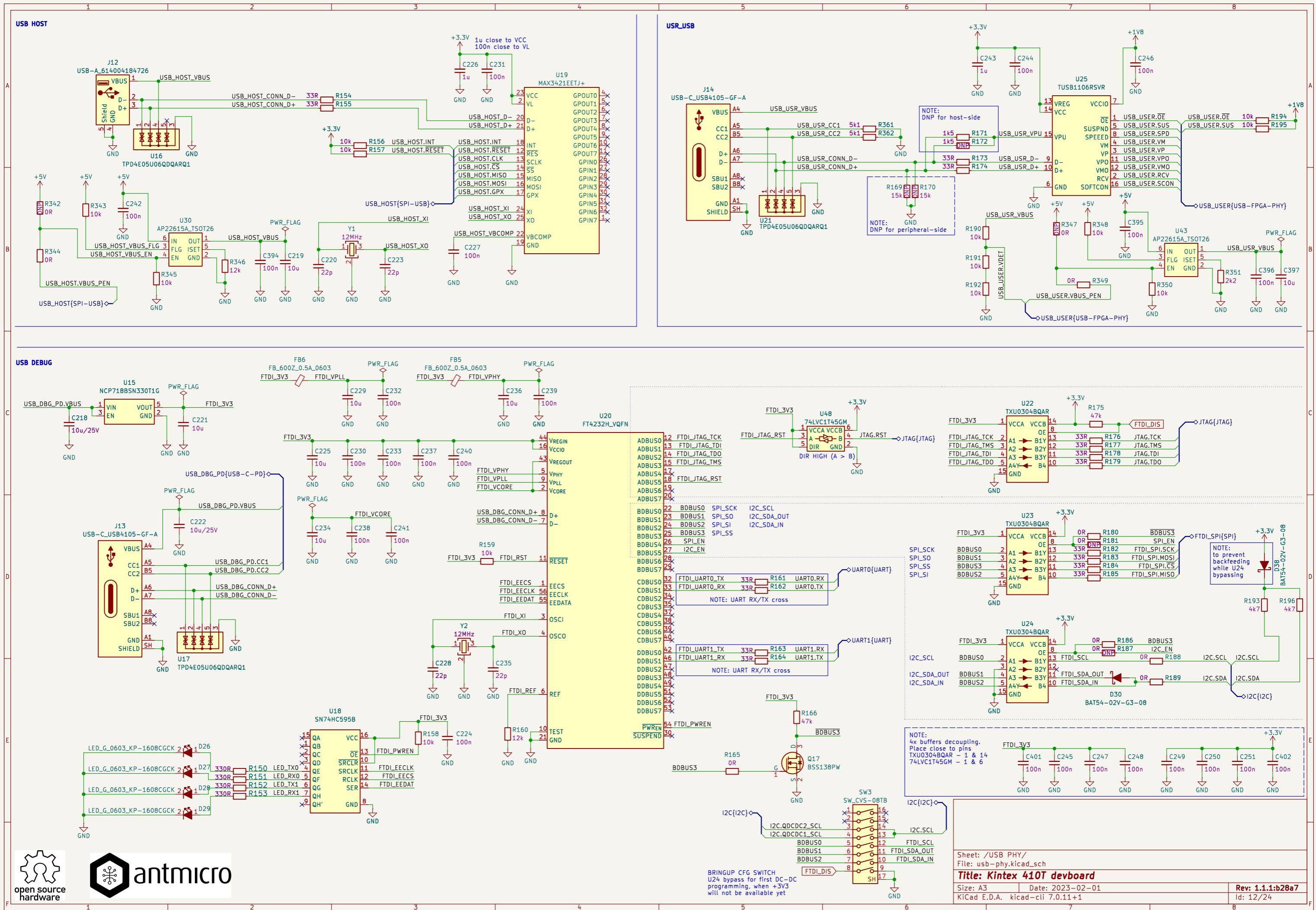
USER SPI flash 1

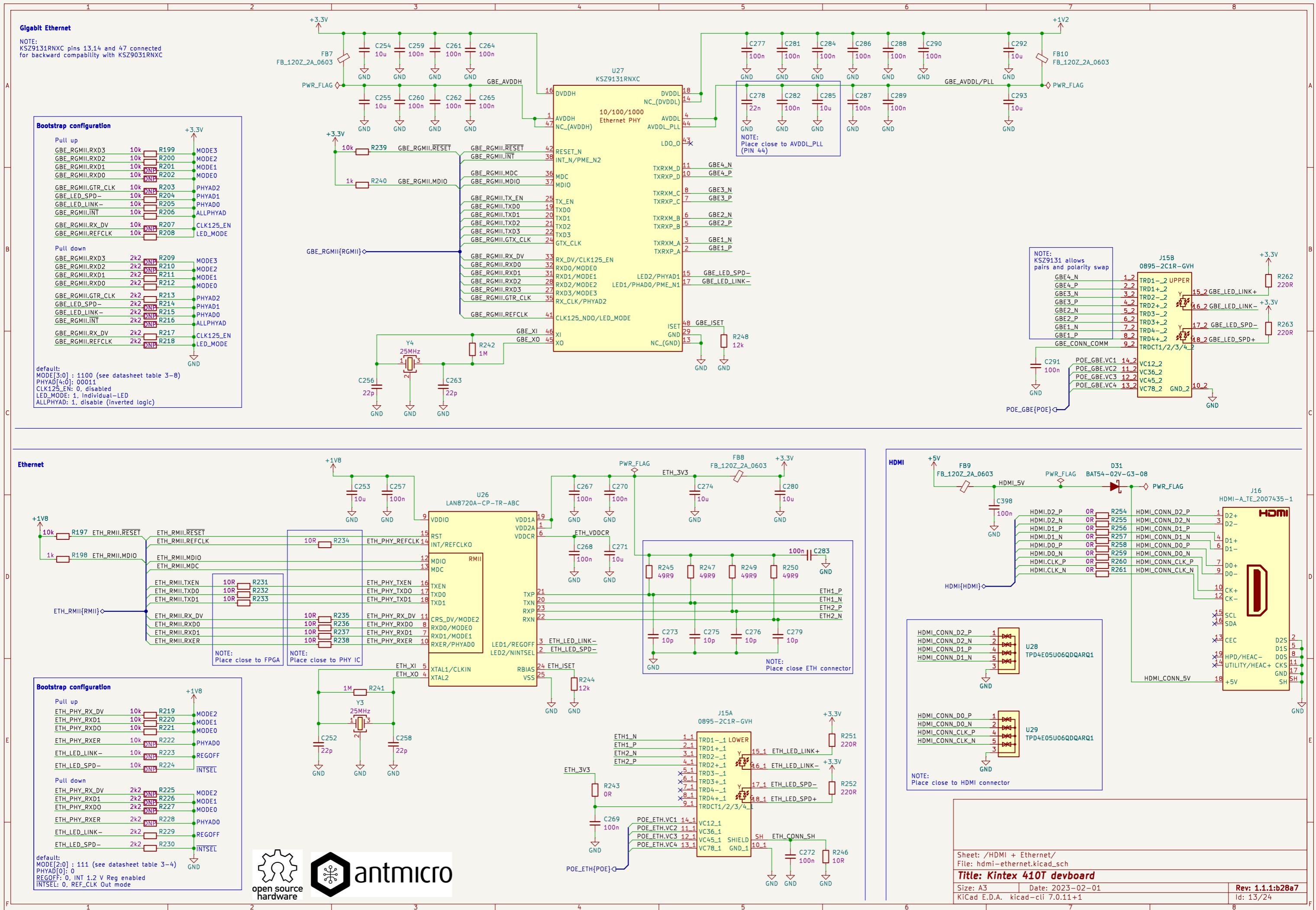


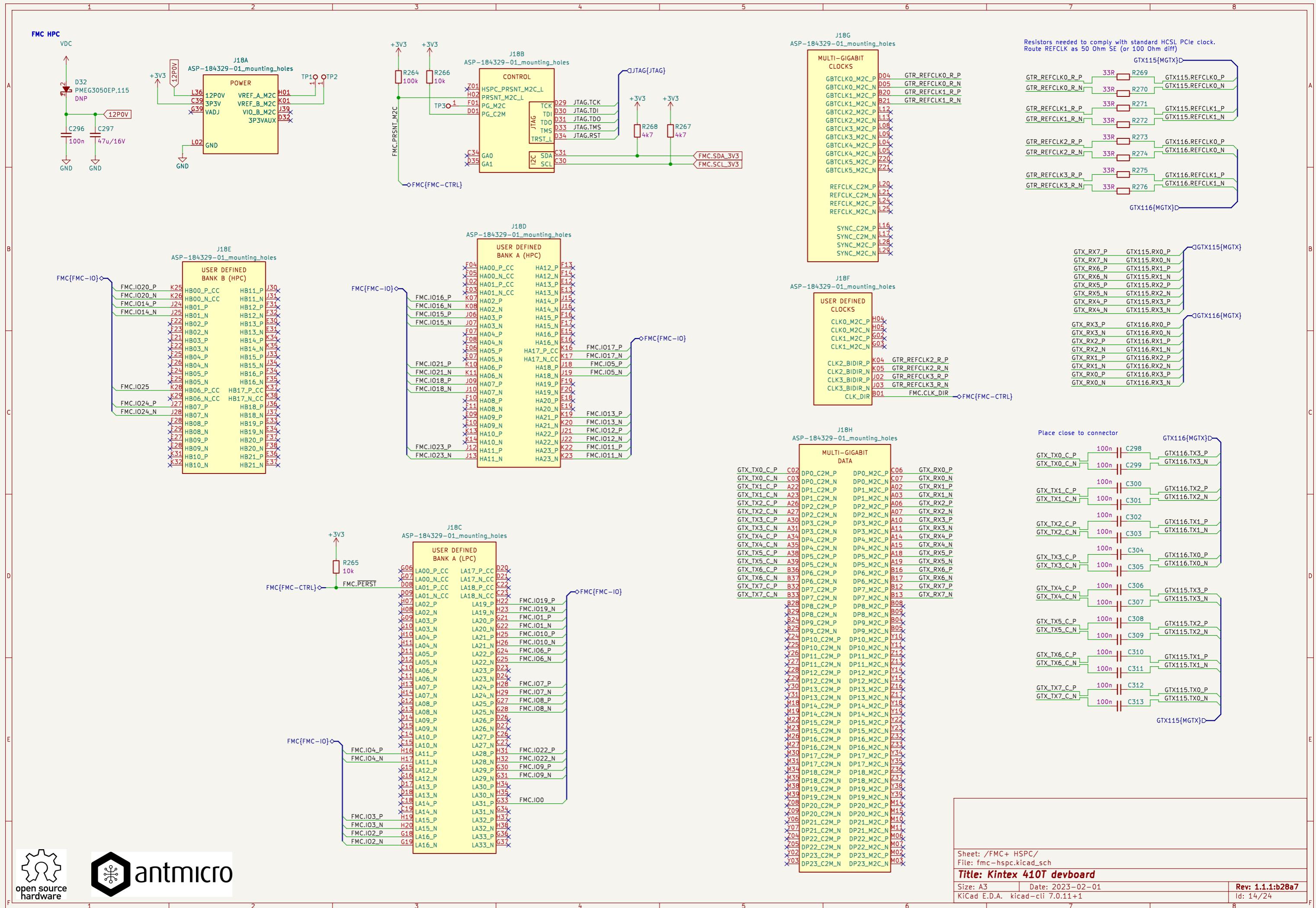
antmicro

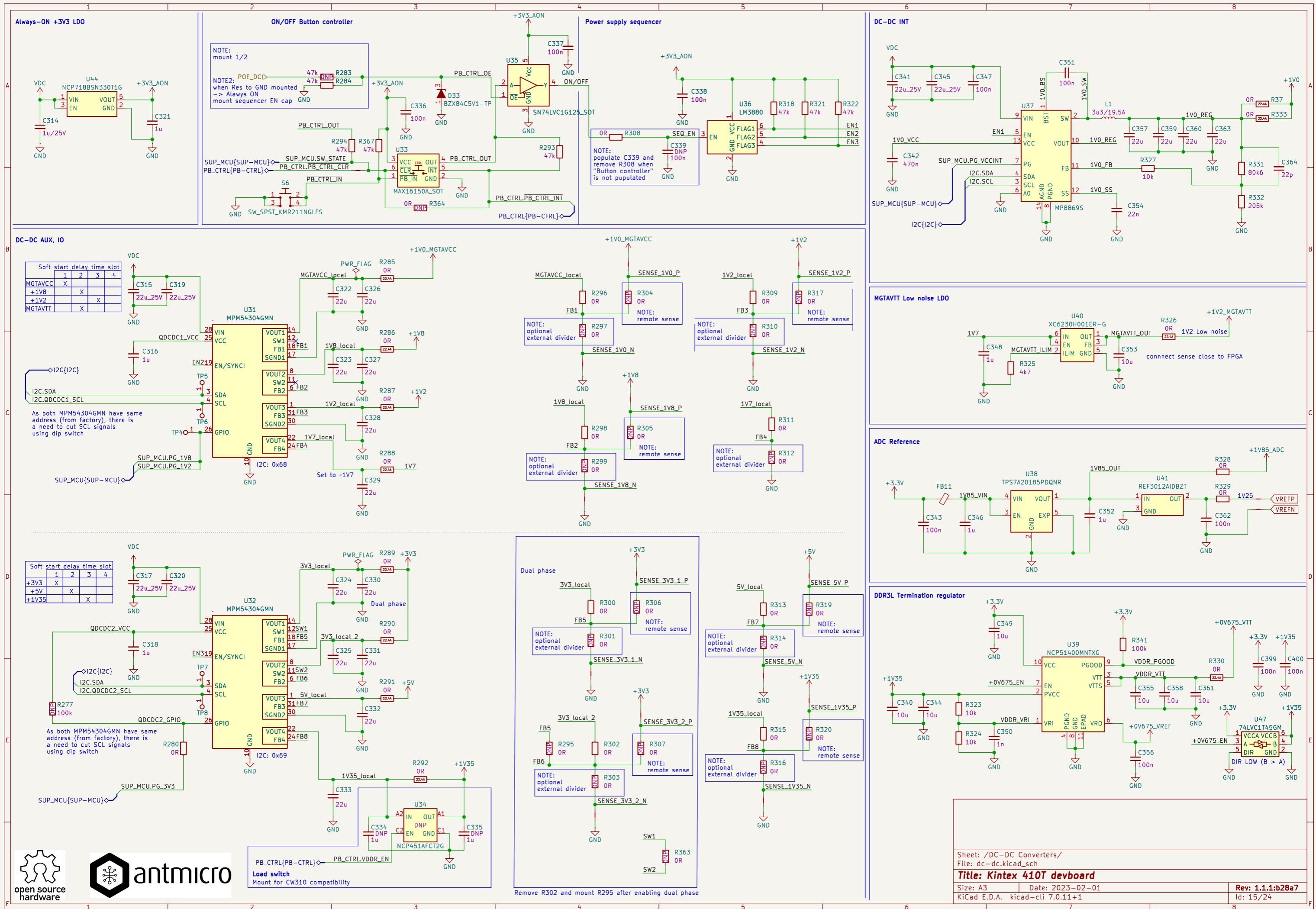
Sheet: /SPI Flash + SD Card/  
File: spi-flash.kicad\_sch**Title: Kintex 410T devboard**Size: A3 | Date: 2023-02-01  
KiCad E.D.A. kicad-cl 7.0.11+1Rev: 1.1.1:b28a7  
Id: 10/24











Load switch  
Mount for CW310 compatibility

Remove R302 and mount R295 after enabling dual phase

Sheet: /DC-DC Converters/  
File: dc-dc.kicad\_sch

Title: Kintex 410T devboard

Size: A3 Date: 2023-02-01  
KiCad E.D.A. kicad-cl 7.0.11+1

Rev: 1.1.1:b28a7  
Id: 15/24

Main system clock

A

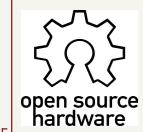
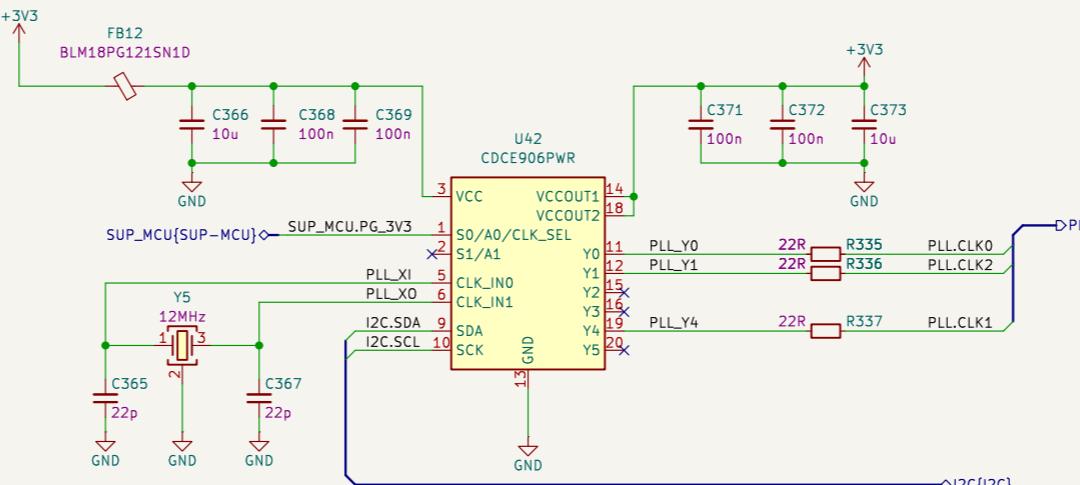
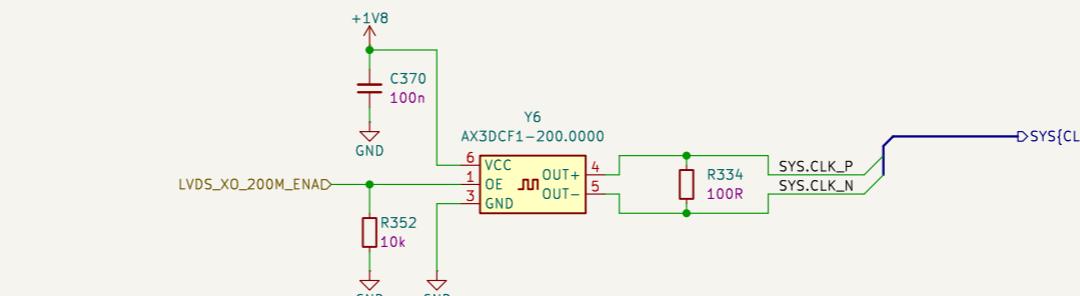
A

B

B

C

C

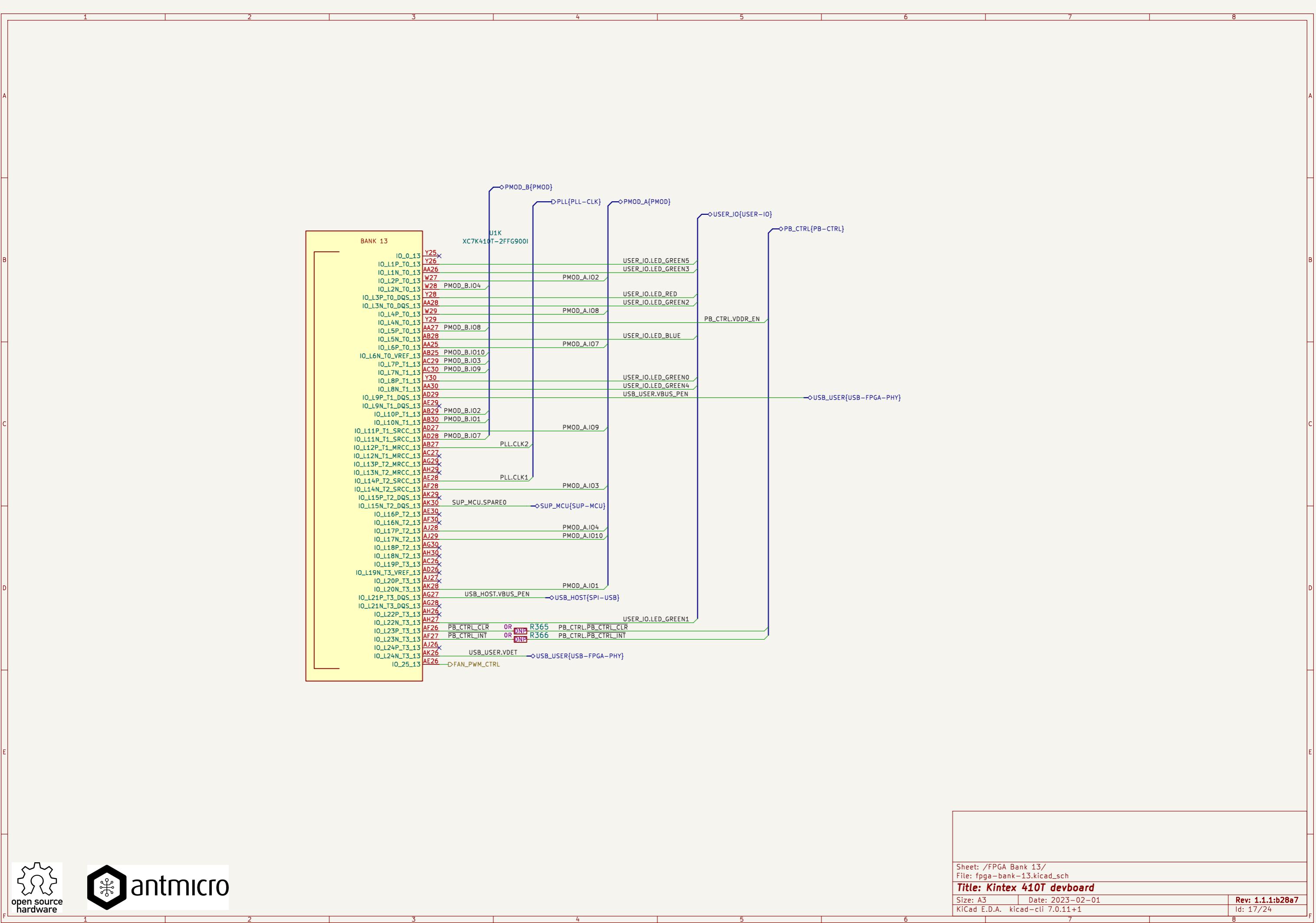


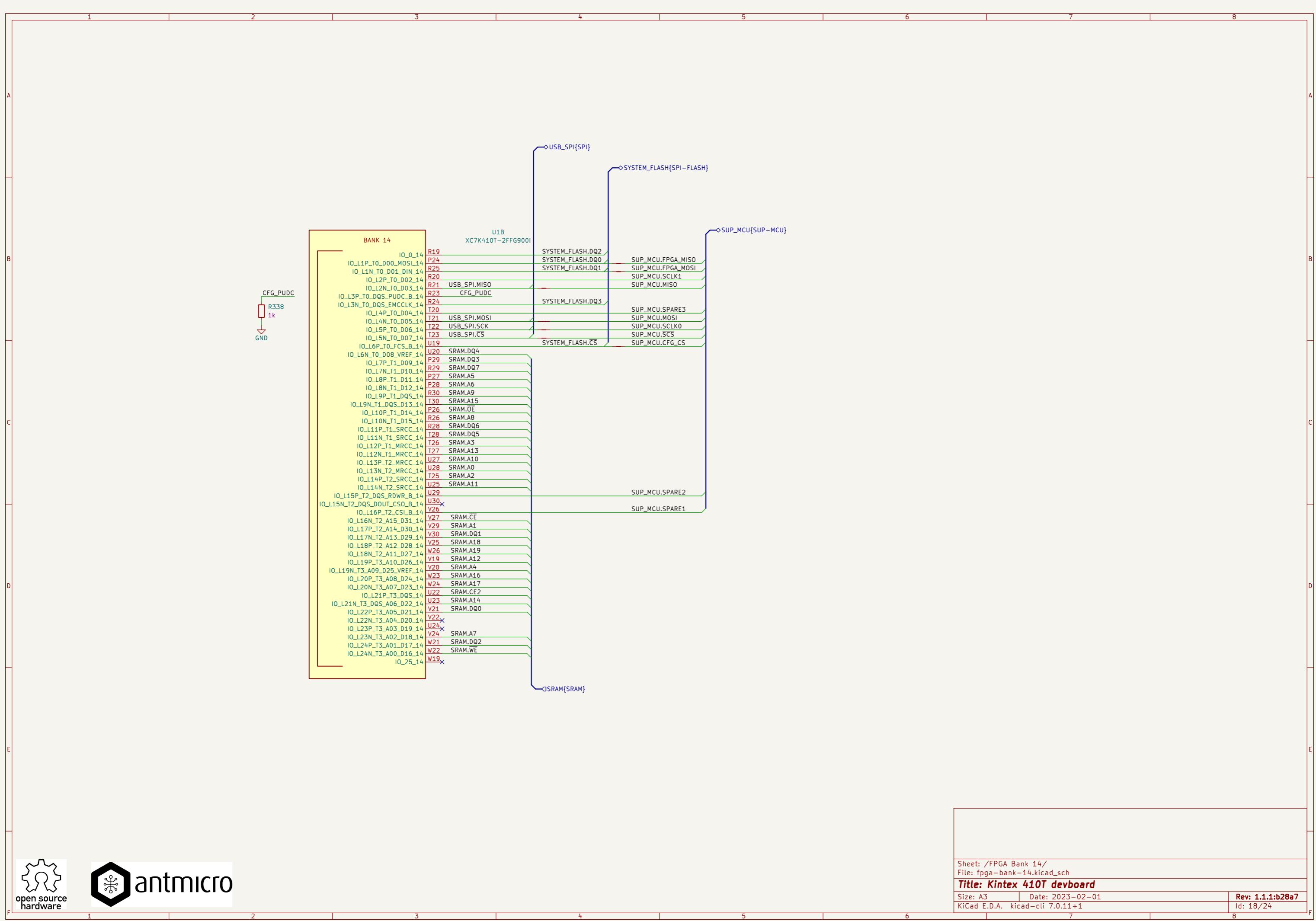
Sheet: /Clocks/  
File: clocks.kicad\_sch

Title: Kintex 410T devboard

Size: A3 | Date: 2023-02-01  
KiCad E.D.A. kicad-cliv 7.0.11+1

Rev: 1.1.1:b28a7  
Id: 16/24





Sheet: /FPGA Bank 14/  
File: fpga-bank-14.kicad\_sch

Title: Kintex 410T devboard

Size: A3 | Date: 2023-02-01  
KiCad E.D.A. kicad-cli 7.0.11+1

Rev: 1.1.1:b28a7 | Id: 18/24

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A

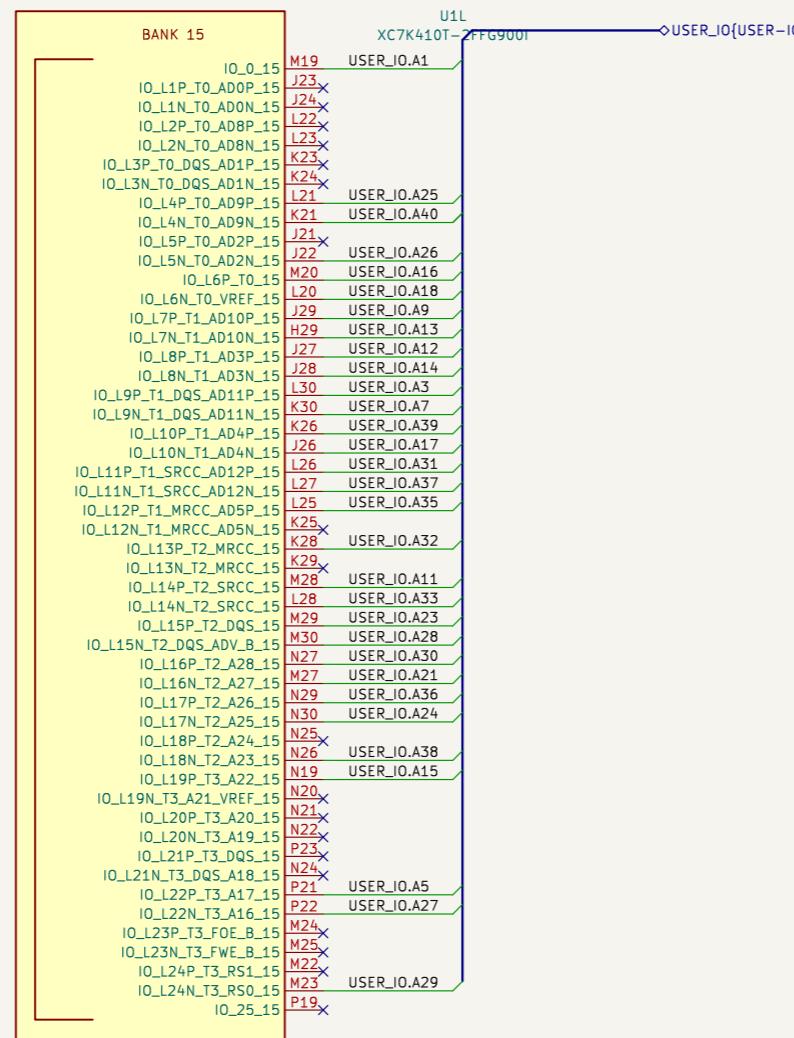
B

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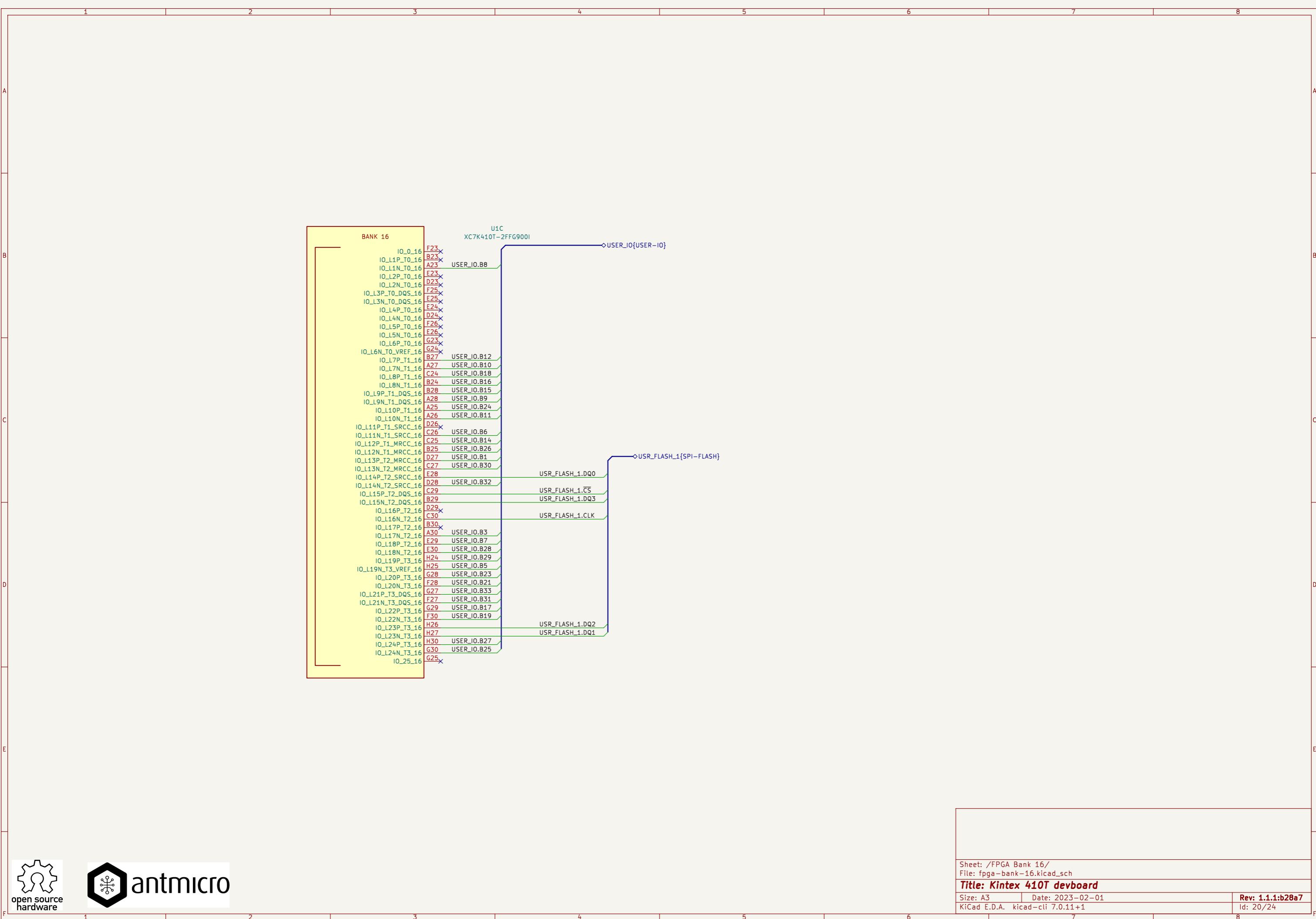


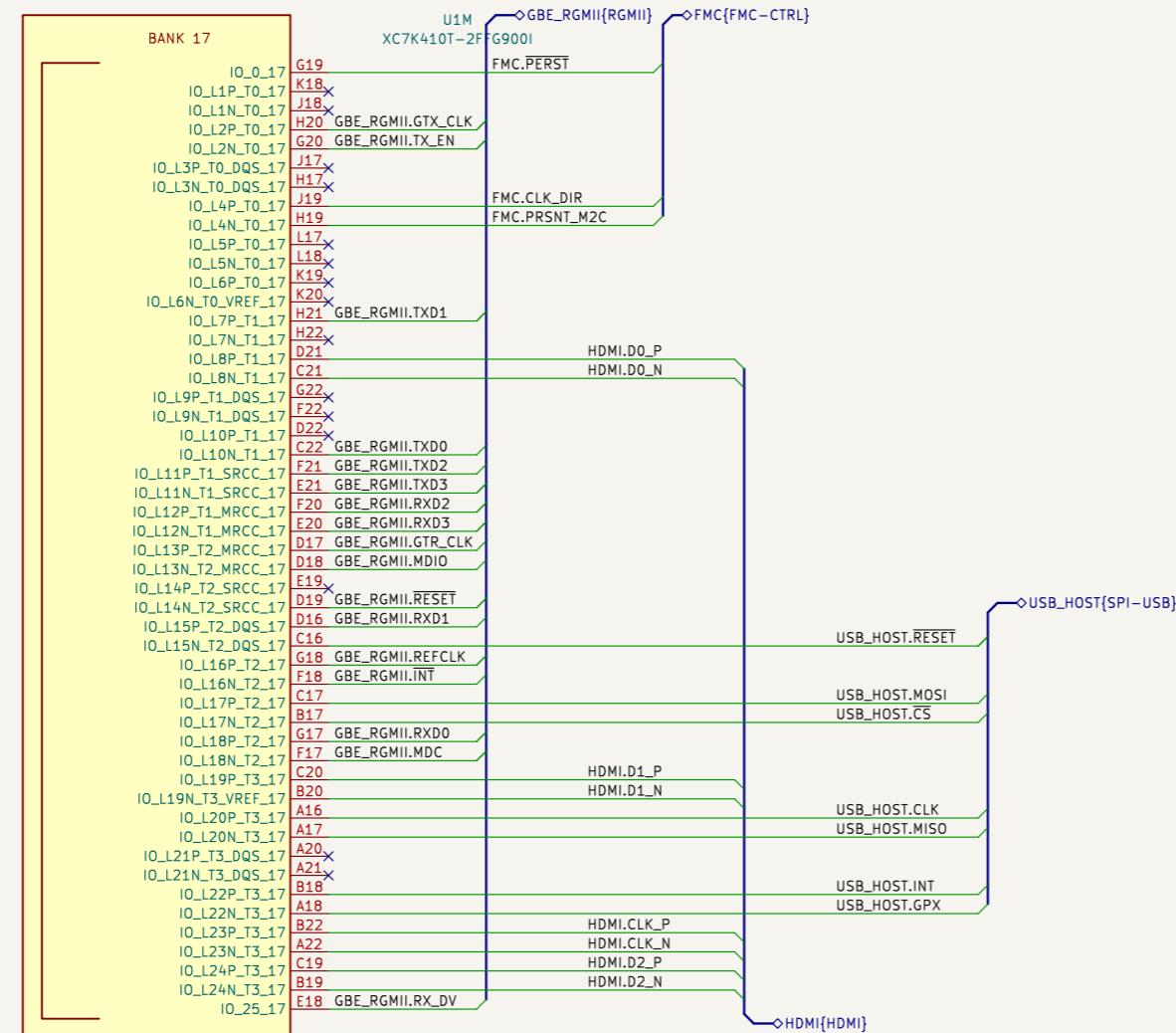
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File: fpga-bank-15.kicad\_sch

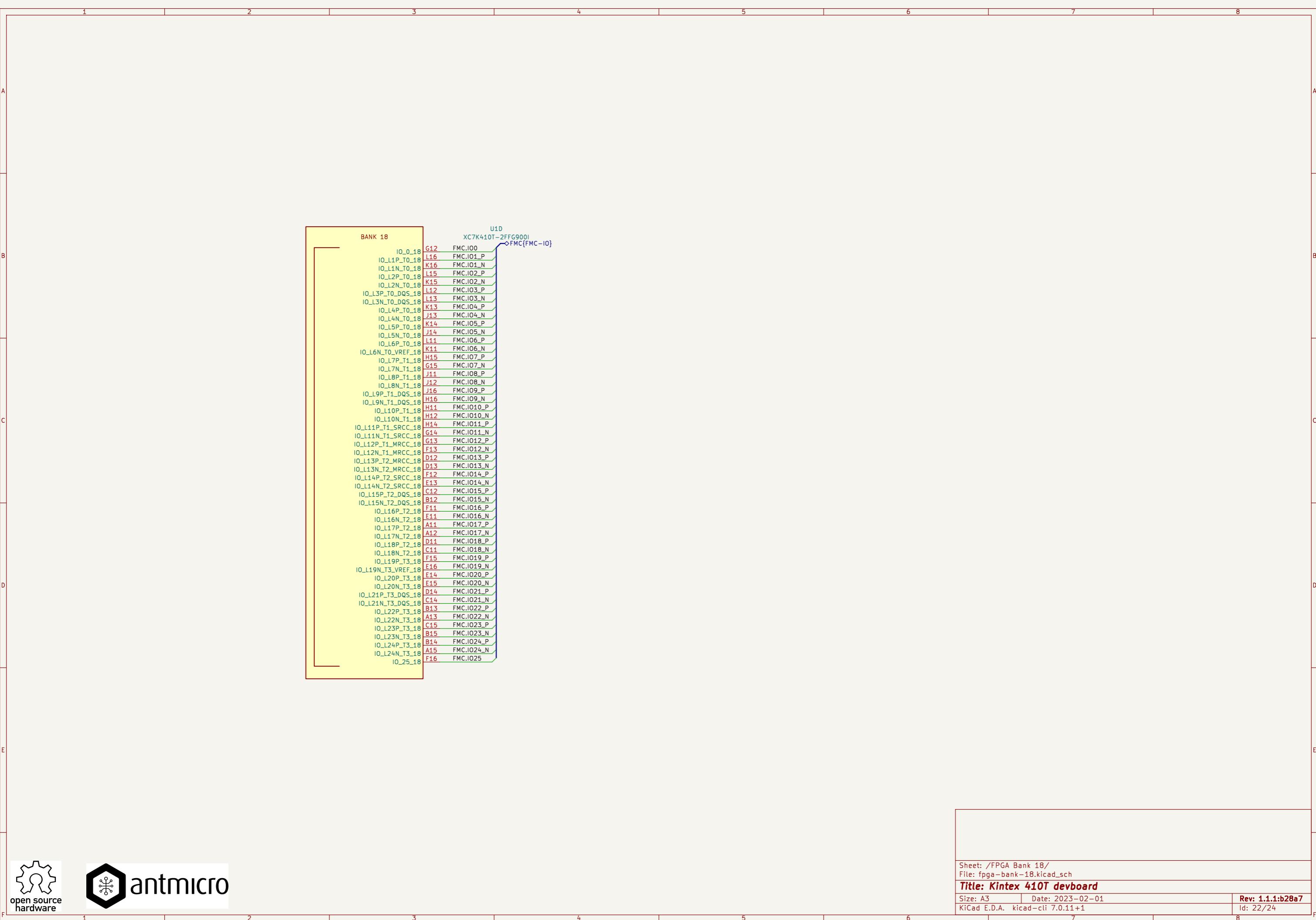
Title: Kintex 410T devboard

Size: A3 | Date: 2023-02-01  
KiCad E.D.A. kicad-cli 7.0.11+1

Rev: 1.1.1:b28a7 | Id: 19/24







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A

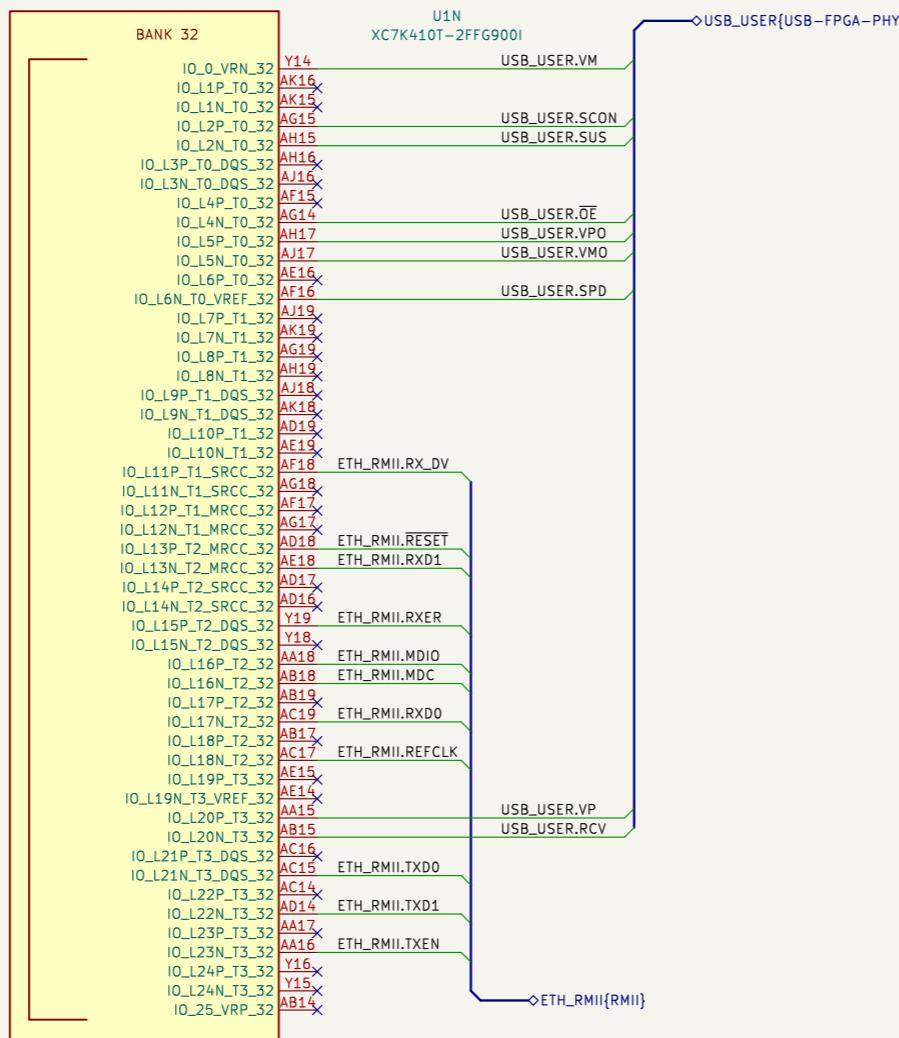
B

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Sheet: /FPGA Bank 32/  
File: fpga-bank-32.kicad\_sch

**Title: Kintex 410T devboard**

Size: A3 | Date: 2023-02-01  
KiCad E.D.A. kicad-cli 7.0.11+1

Rev: 1.1.1:b28a7  
Id: 23/24

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A

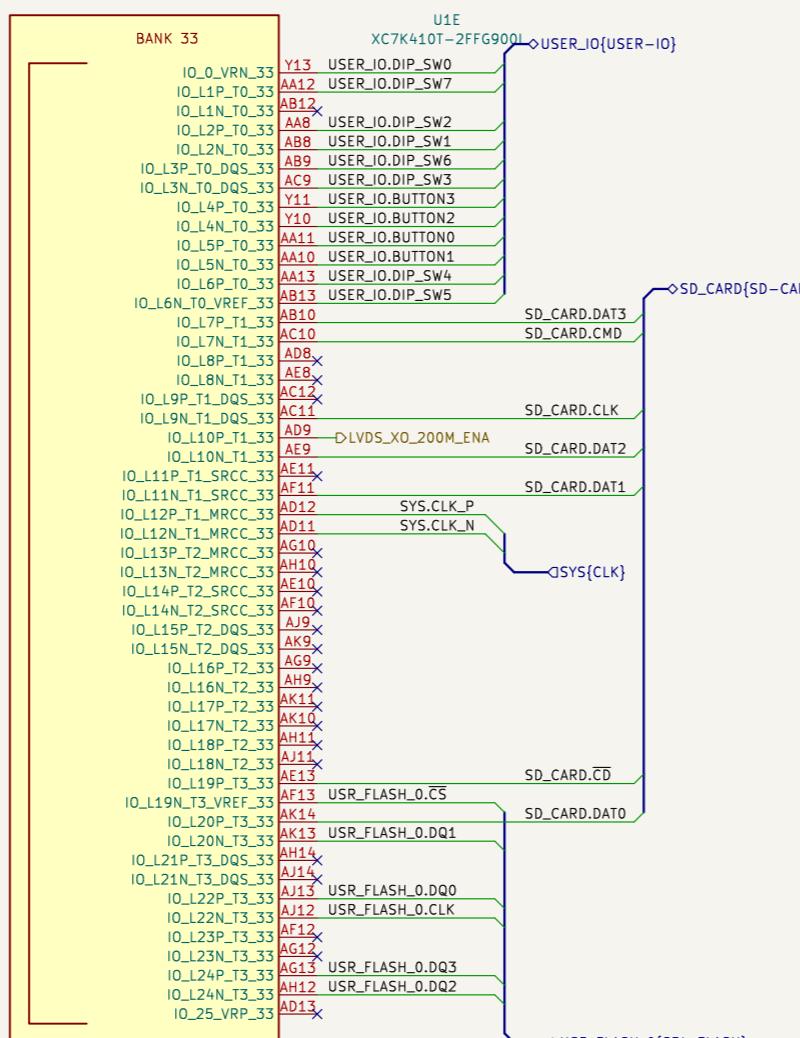
B

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Supervisor MCU

A

B

C

D

E

A

B

C

D

E

