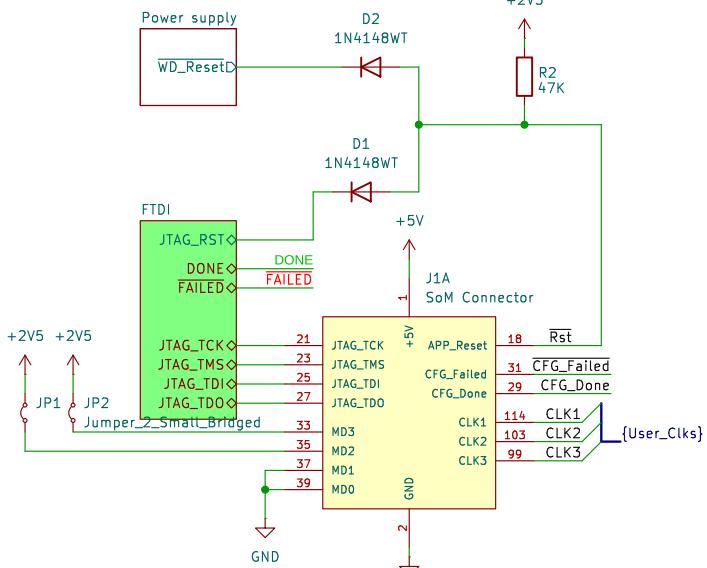
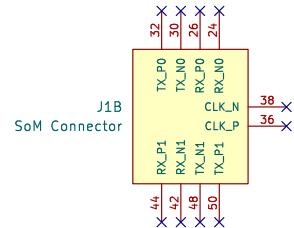


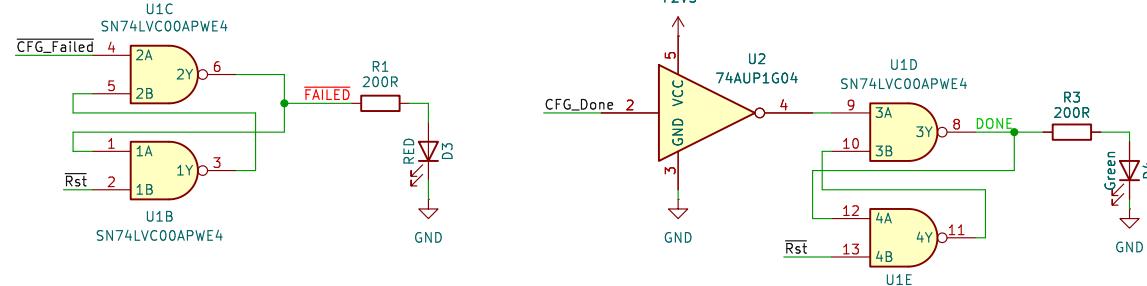
Configuration & Reset



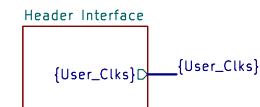
SERDES unused



CFG-LED Latches



IO Configuration



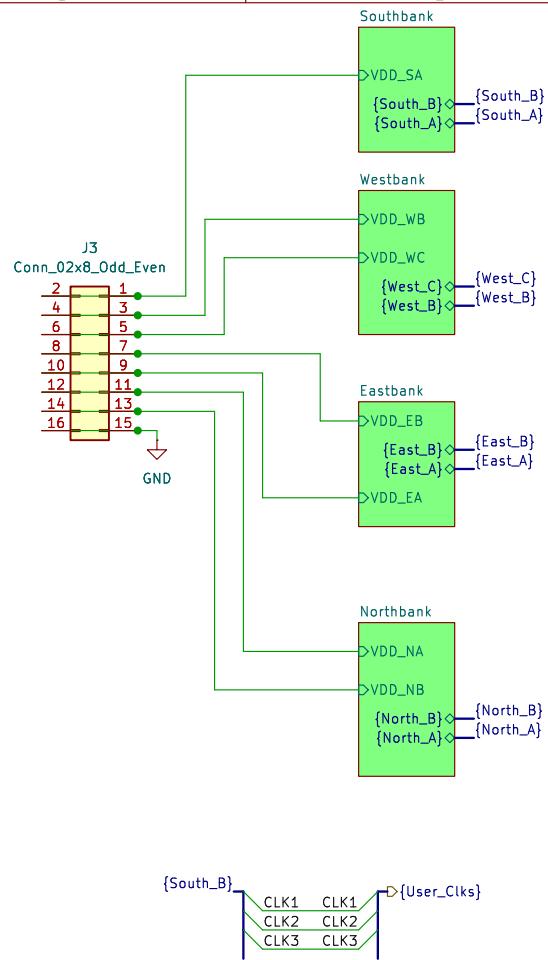
Ismail Özdemirkan
Felix Sebastian Nitz
Technische Hochschule Köln

Sheet: /
File: CcSoM_ADC_Board.kicad_sch

Title: SoM Programmer & ADC Board

Size: A4 Date: 2026-02-09
KiCad E.D.A. 9.0.7

Rev: 0.1
Id: 1/12



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Sheet: /Header Interface/
File: HeaderInterface.kicad_sch
Title: SoM Programmer & ADC Board
Size: A4
Date: 2024-12-20
KiCad E.D.A. 9.0.7
Rev: 0.1
Id: 2/12

A

A

B

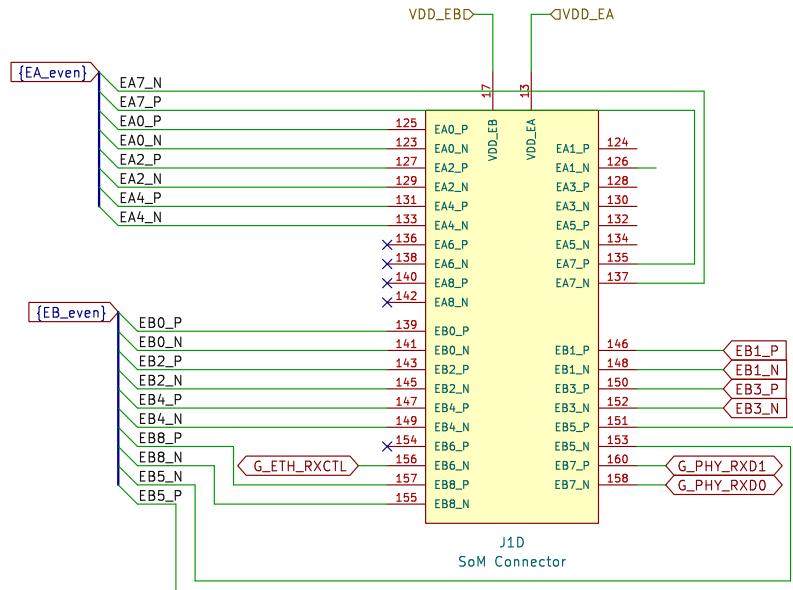
B

C

C

D

D



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 Felix Sebastian Nitz
Technische Hochschule Köln
 Sheet: /Header Interface/Eastbank/
 File: Eastbank.kicad_sch

Title: SoM Programmer & ADC Board

Size: A4 Date: 2026-02-09
 KiCad E.D.A. 9.0.7

Rev: 0.1
 Id: 3/12

A

A

B

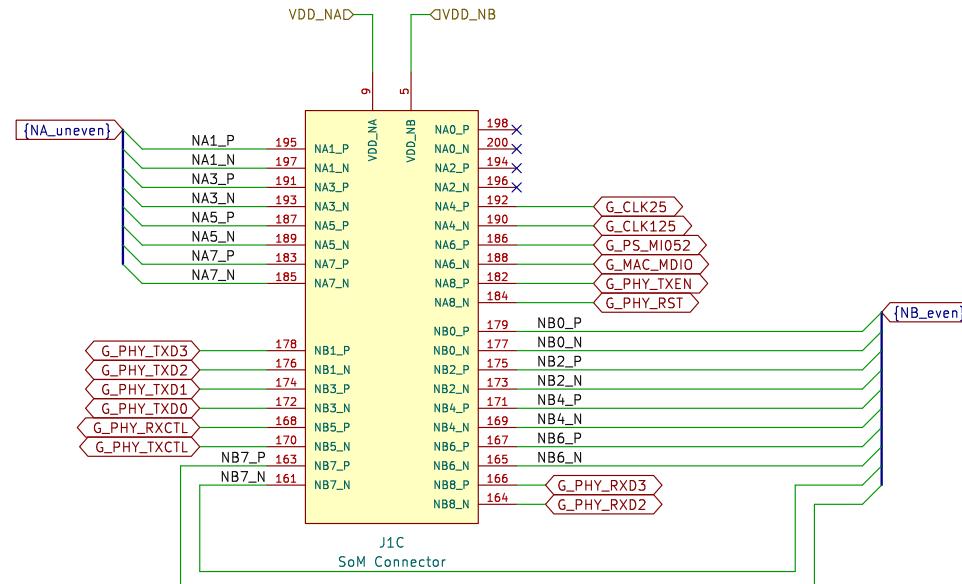
B

C

C

D

D



Ismail Özdemirkan
Felix Sebastian Nitz
Technische Hochschule Köln
Sheet: /Header Interface/Northbank/
File: Northbank.kicad_sch

Title: SoM Programmer & ADC Board

Size: A4 Date: 2026-02-09
KiCad E.D.A. 9.0.7

Rev: 0.1
Id: 4/12

A

A

B

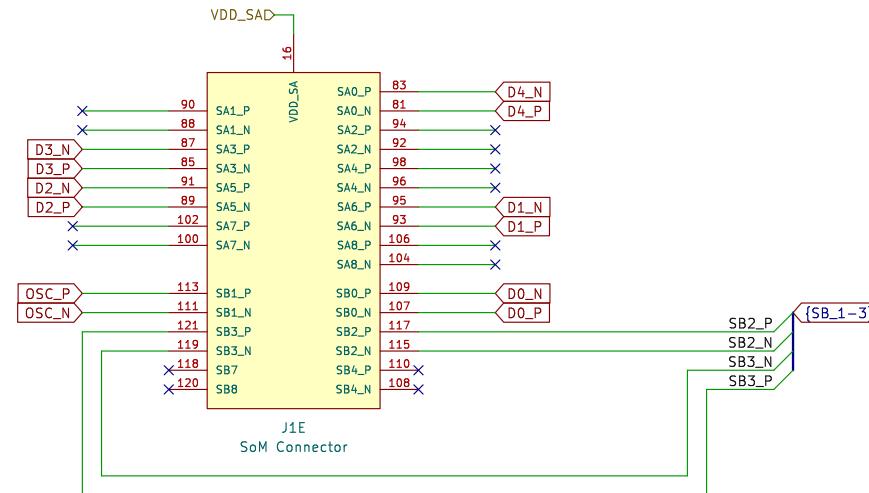
B

C

C

D

D



Ismail Özdemirkan
Felix Sebastian Nitz
Technische Hochschule Köln
Sheet: /Header Interface/Southbank/
File: Southbank.kicad_sch
Title: SoM Programmer & ADC Board
Size: A4 Date: 2026-02-09
Rev: 0.1
KiCad E.D.A. 9.0.7
Id: 5/12

A

A

B

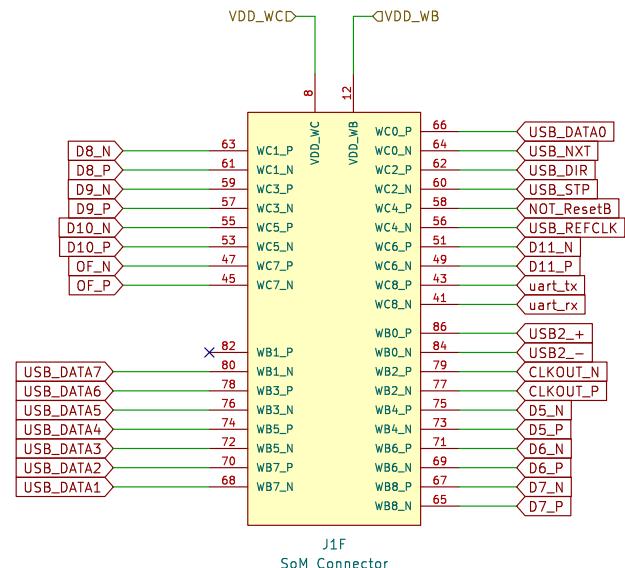
B

C

C

D

D



Ismail Özdemirkan
 Felix Sebastian Nitz
Technische Hochschule Köln
 Sheet: /Header Interface/Westbank/
 File: Westbank.kicad_sch

Title: SoM Programmer & ADC Board

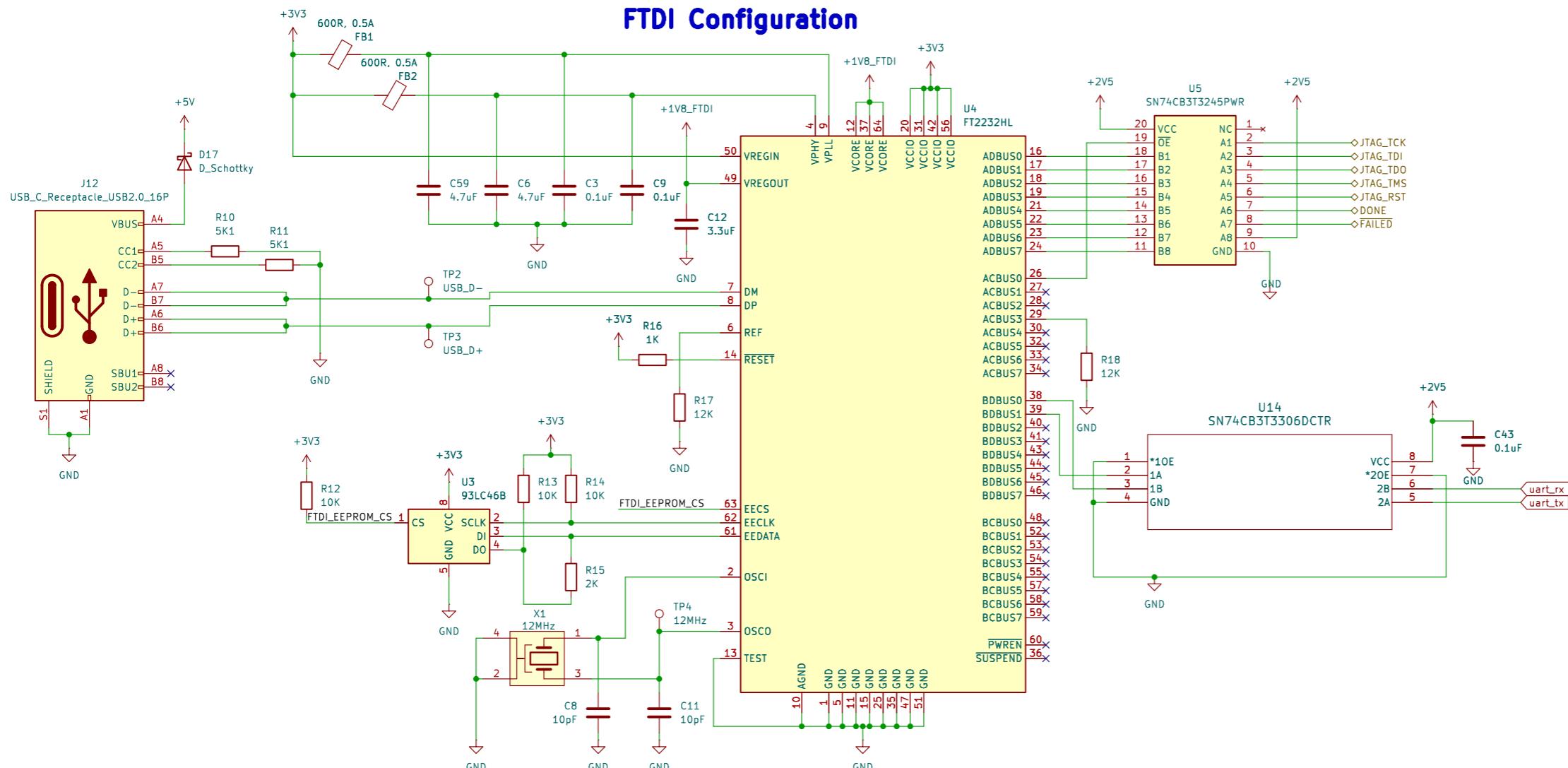
Size: A4 Date: 2024-12-20

KiCad E.D.A. 9.0.7

Rev: 0.1

Id: 6/12

FTDI Configuration



Filtering



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Technische Hochschule Köln

Sheet: /FTDI/
File: FTDI.kicad_sch

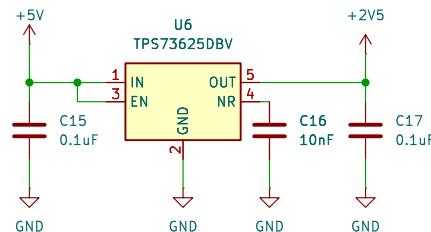
Title: SoM Programmer & Tester

Size: A3 Date: 2026-02-09
KiCad E.D.A. 9.0.7

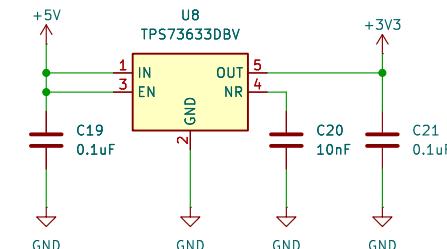
Rev: 0.1
Id: 7/12

1 2 3 4 5 6

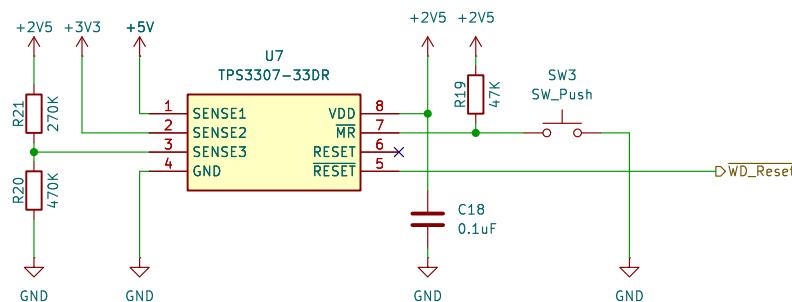
2.5V Regulator



3.3V Regulator



Supervisory Circuit with manual reset



Felix Sebastian Nitz

Technische Hochschule Köln

Sheet: /Power supply/

File: PowerSupply.kicad_sch

Title: SoM Programmer & ADC

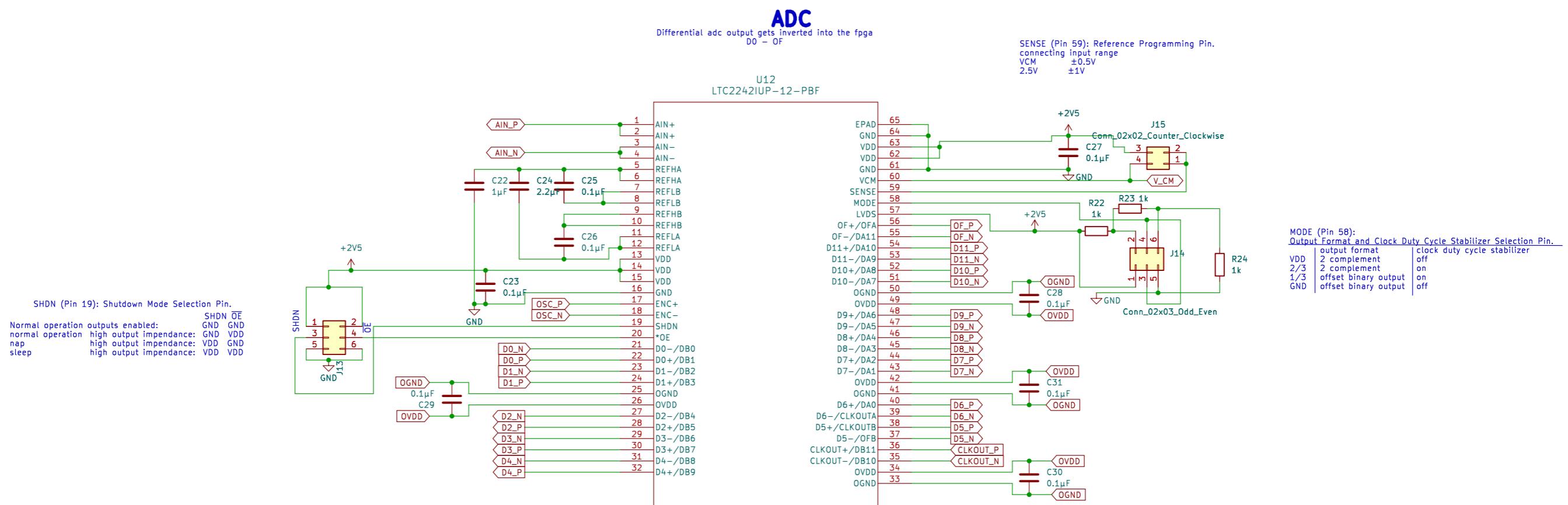
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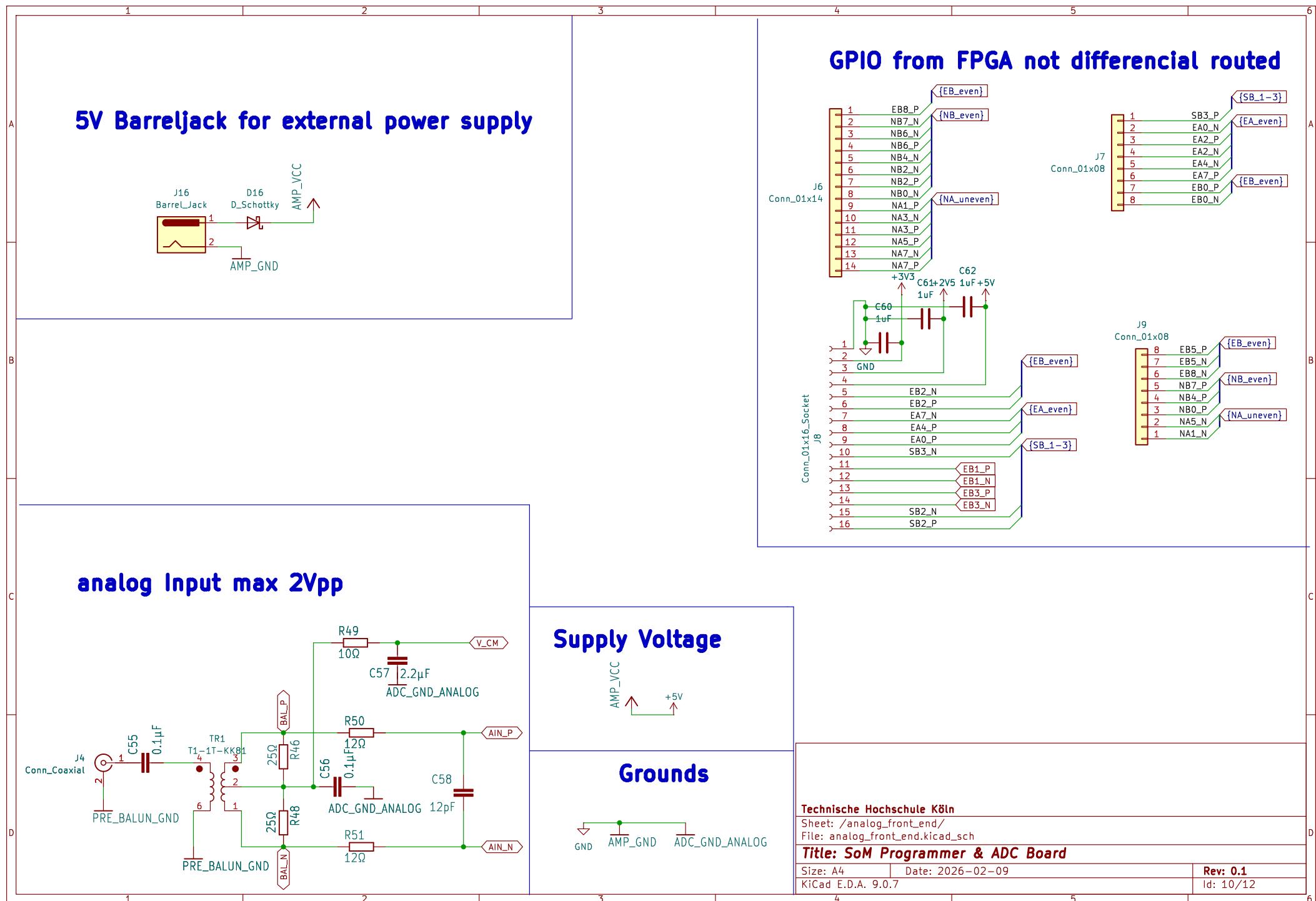
KiCad E.D.A. 9.0.7

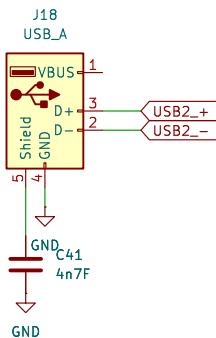
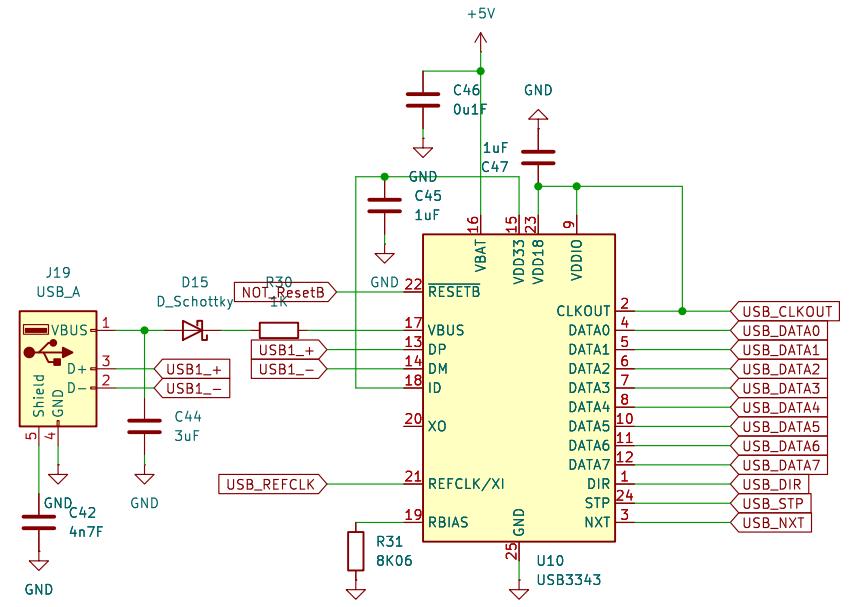
Rev: 0.1

Id: 8/12

1 2 3 4 5 6







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Sheet: /usb2/
File: usb2.kicad_sch

Title: SoM Programmer & ADC Board

Size: A4 Date: 2026-02-09
KiCad E.D.A. 9.0.7

Rev: 0.1
Id: 11/12

