

Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ZynqPower/QBUCK\_LP87524J/

File: QBUCK\_LP87524B.kicad\_sch

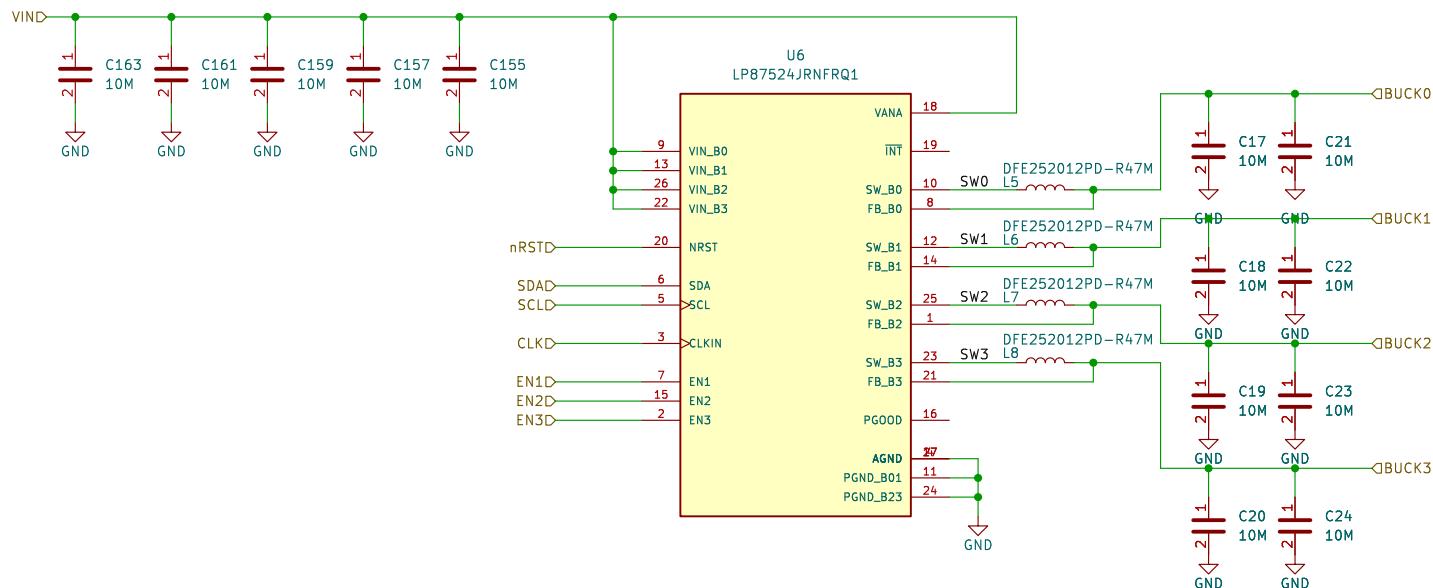
**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

KiCad E.D.A. 9.0.6

Rev: 0.1

Id: 9/27



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ZynqPower/QBUCK\_LP87524J1/

File: QBUCK\_LP87524B.kicad\_sch

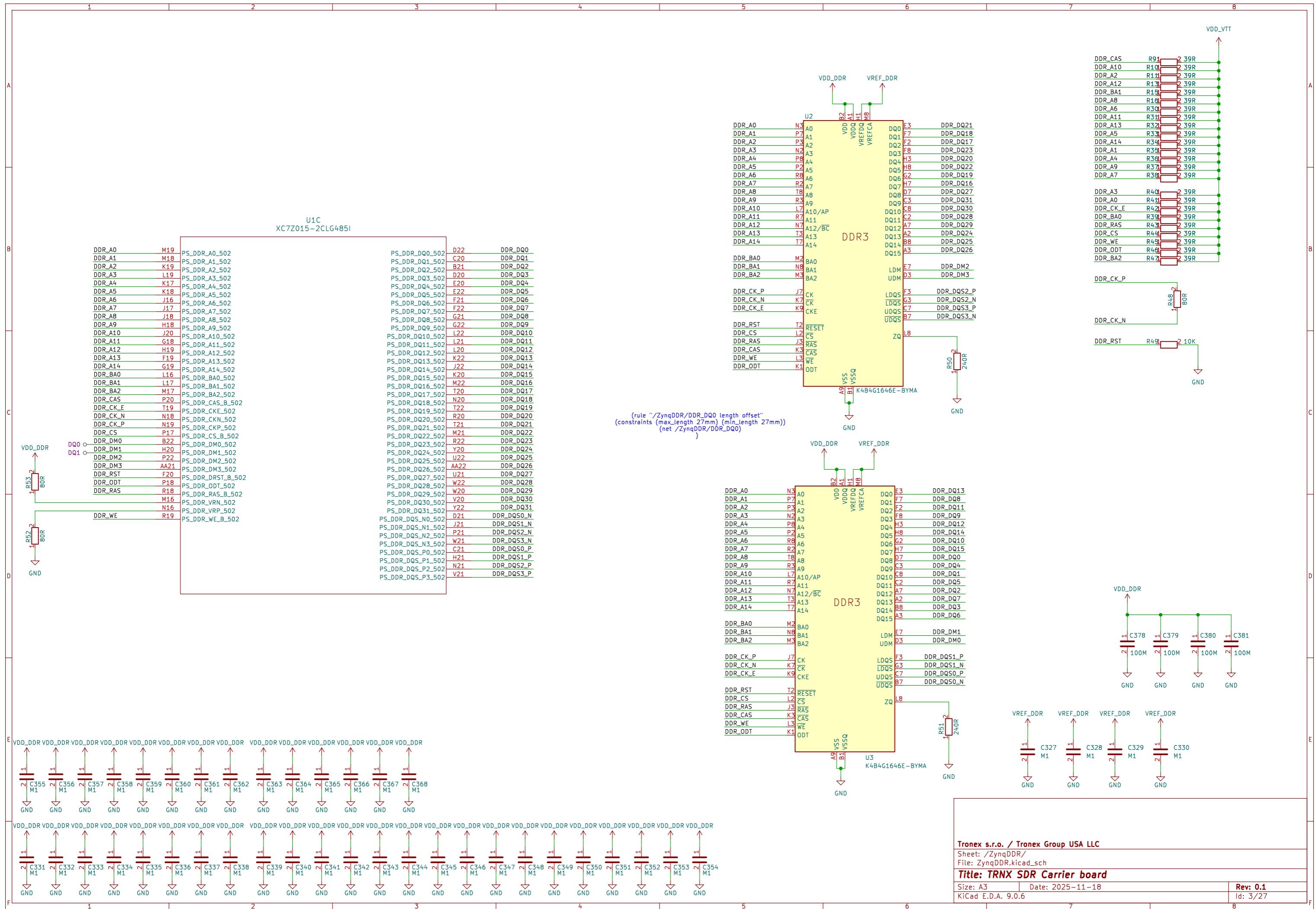
**Title: TRNX SDR Carrier board**

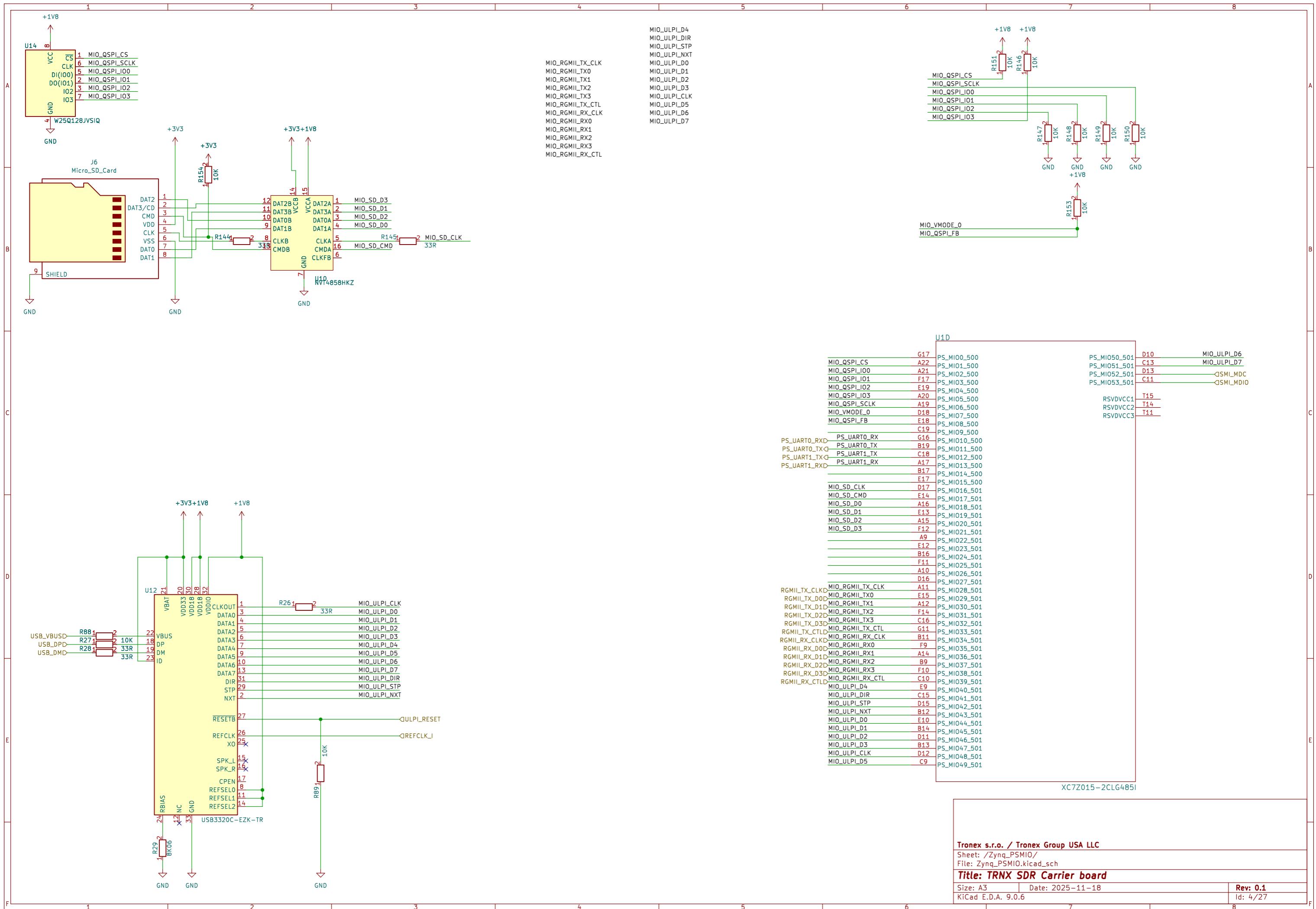
Size: A4 Date: 2025-11-18

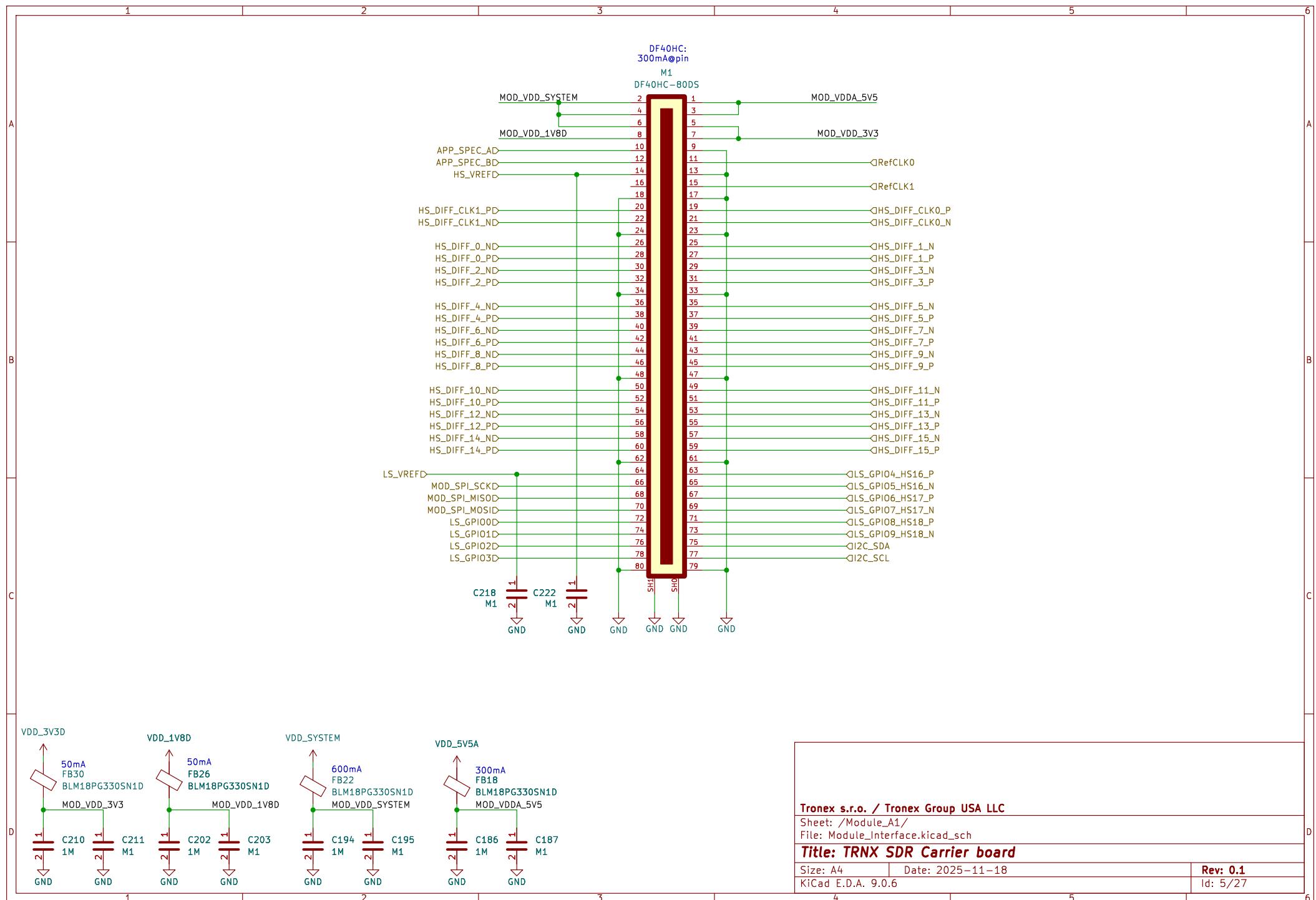
KiCad E.D.A. 9.0.6

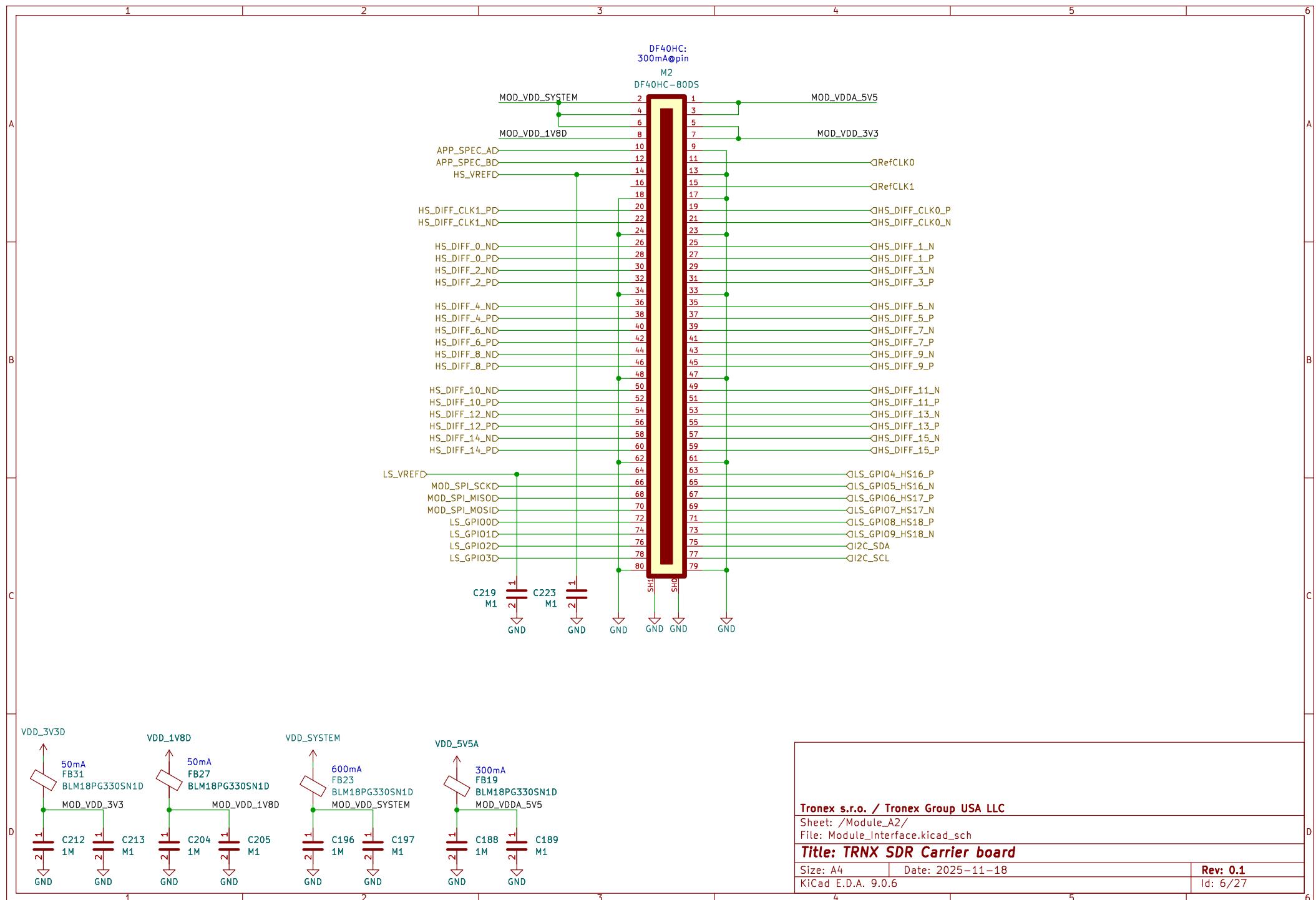
Rev: 0.1

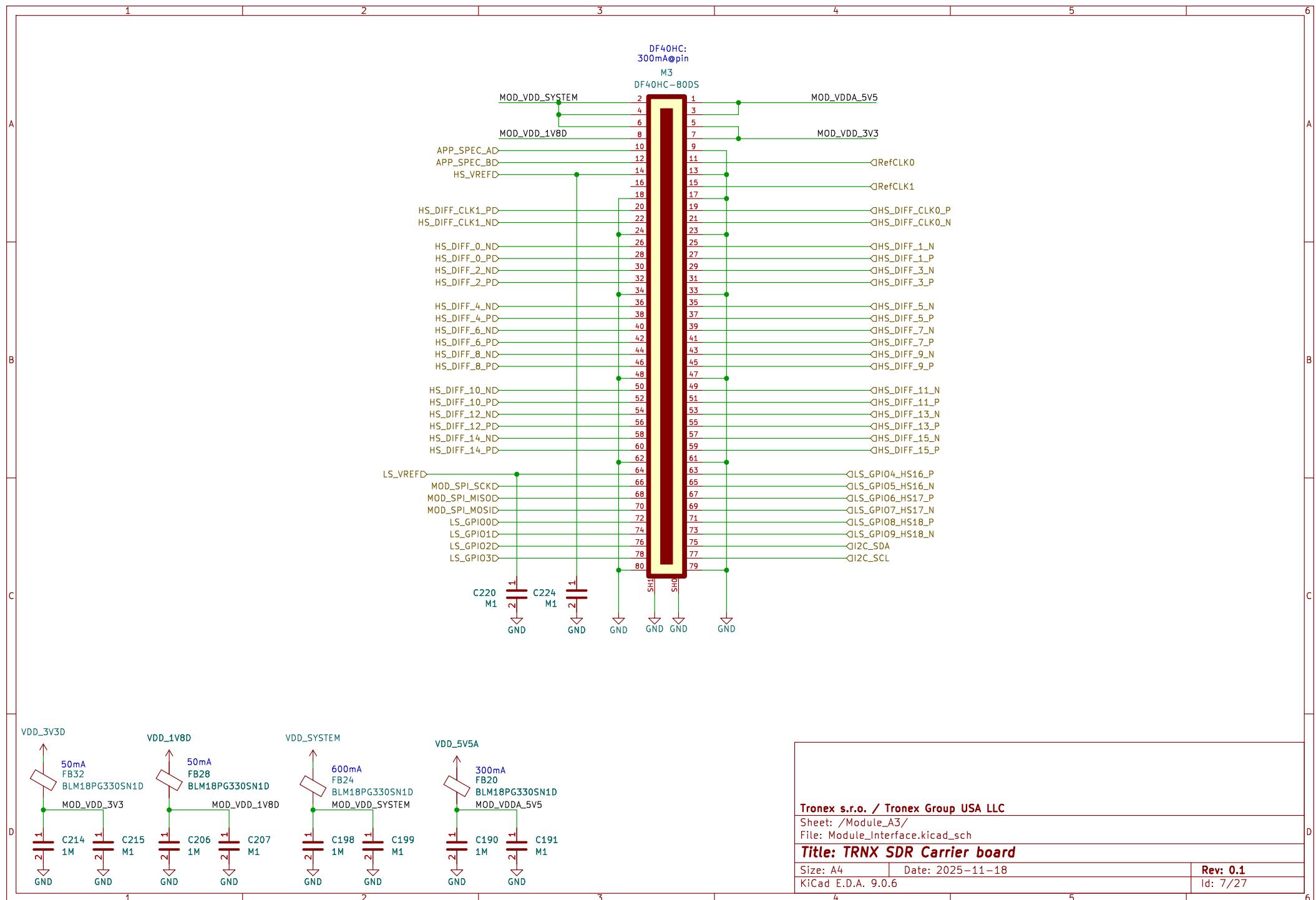
Id: 10/27

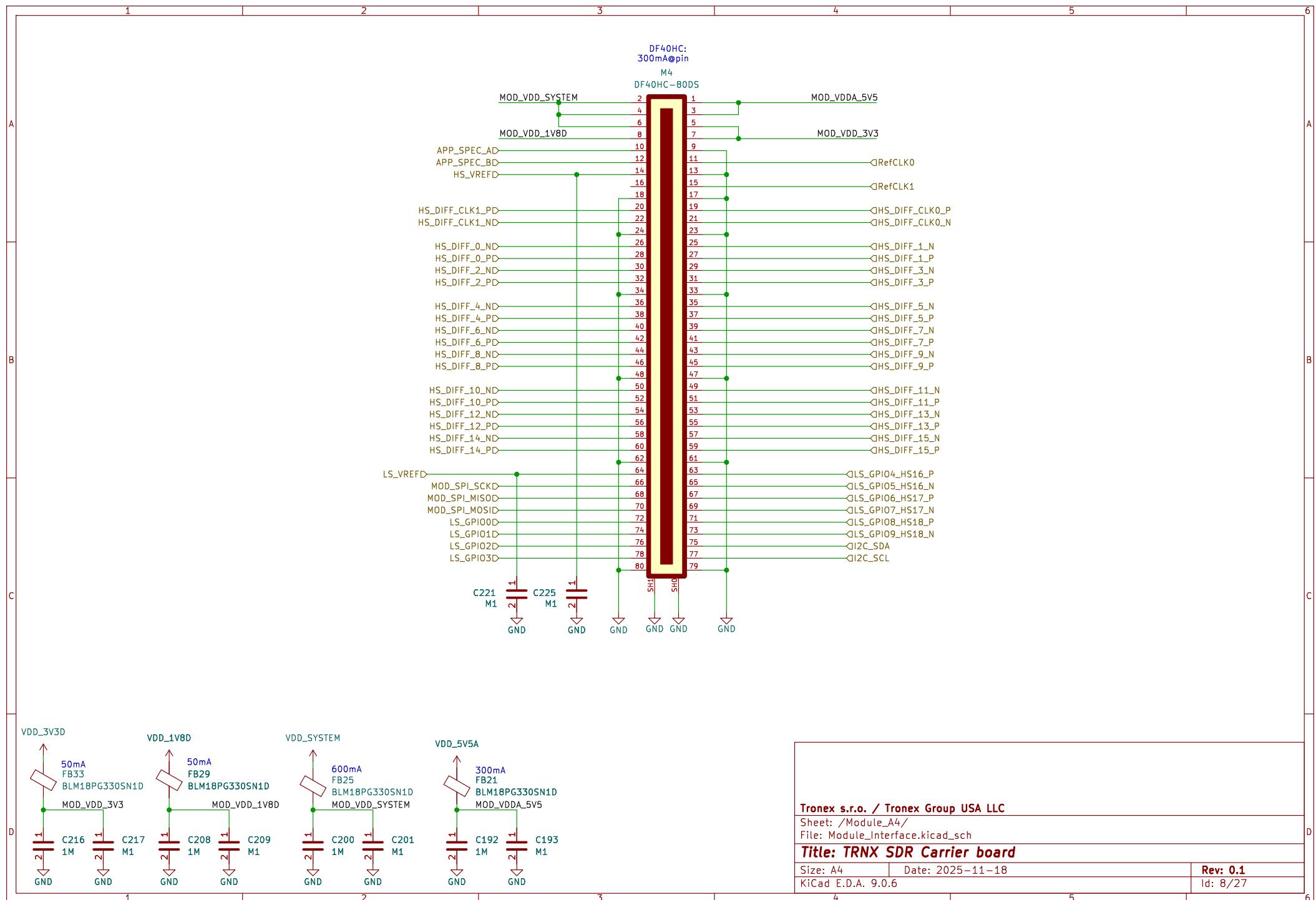








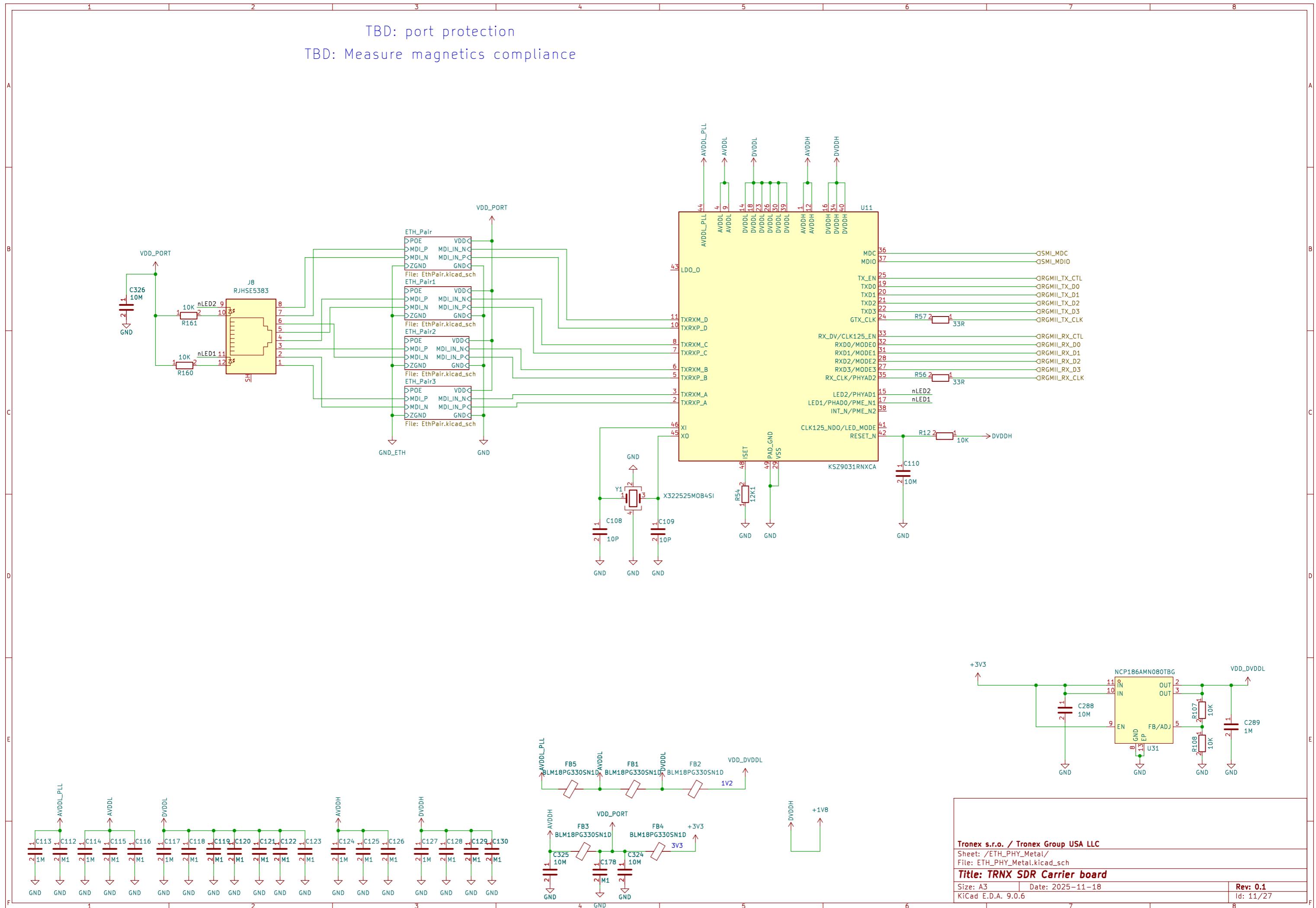




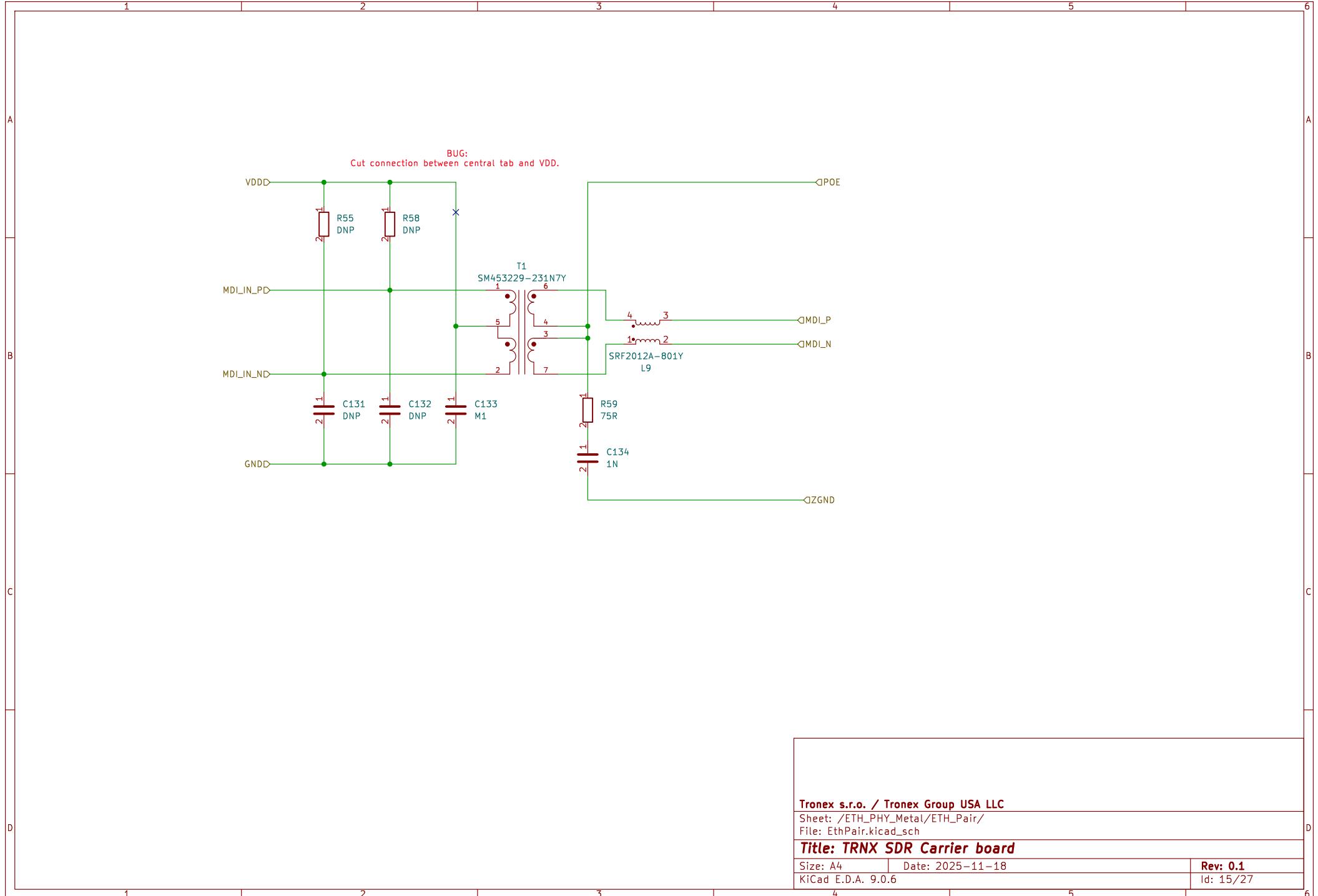
1 2 3 4 5 6 7 8

TBD: port protection

TBD: Measure magnetics compliance



1 2 3 4 5 6



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ETH\_PHY\_Metal/ETH\_Pair/

File: EthPair.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

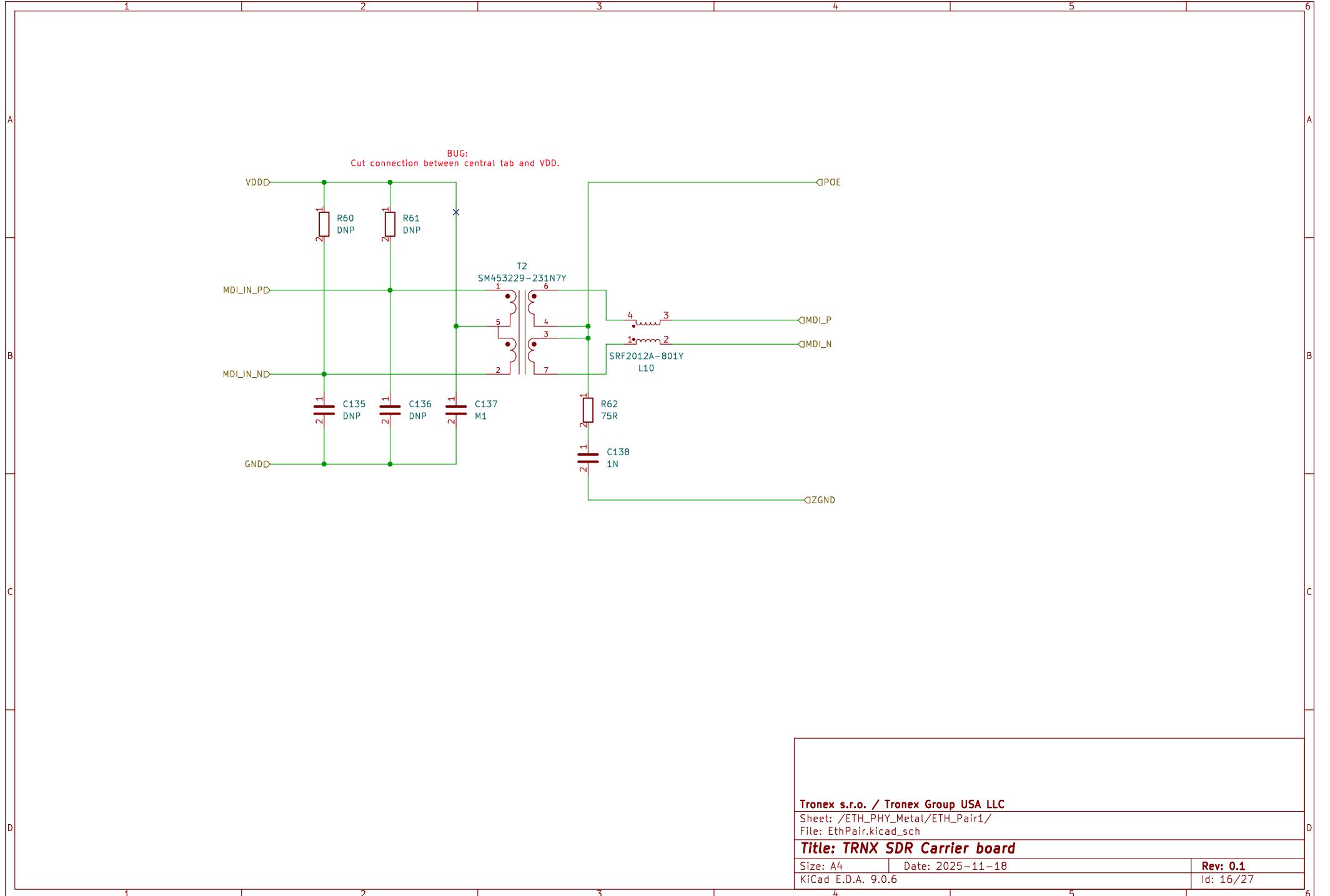
KiCad E.D.A. 9.0.6

**Rev: 0.1**

Id: 15/27

1 2 3 4 5 6

1 2 3 4 5 6



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ETH\_PHY\_Metal/ETH\_Pair1/

File: EthPair.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

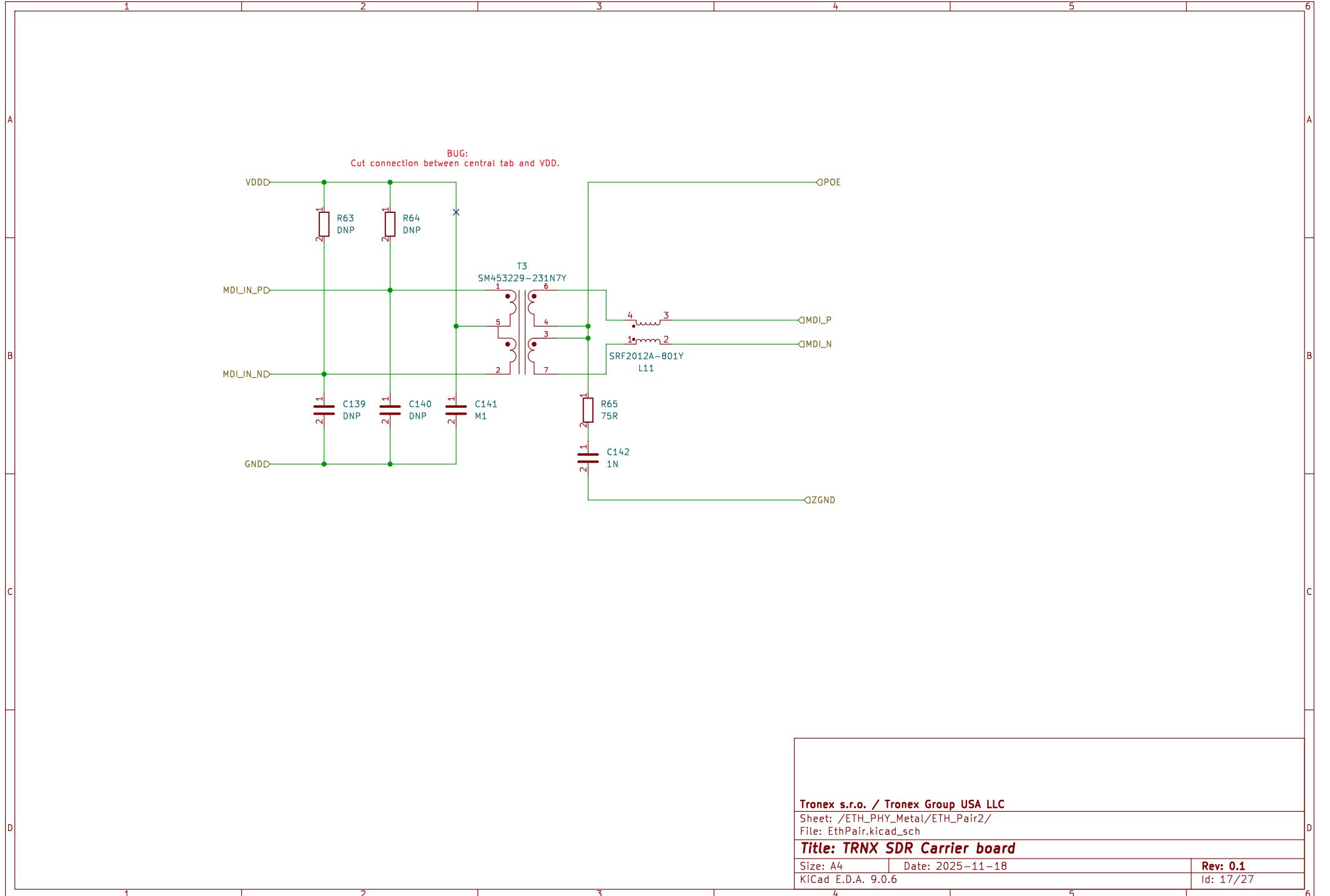
KiCad E.D.A. 9.0.6

**Rev: 0.1**

Id: 16/27

1 2 3 4 5 6

1 2 3 4 5 6



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ETH\_PHY\_Metal/ETH\_Pair2/

File: EthPair.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

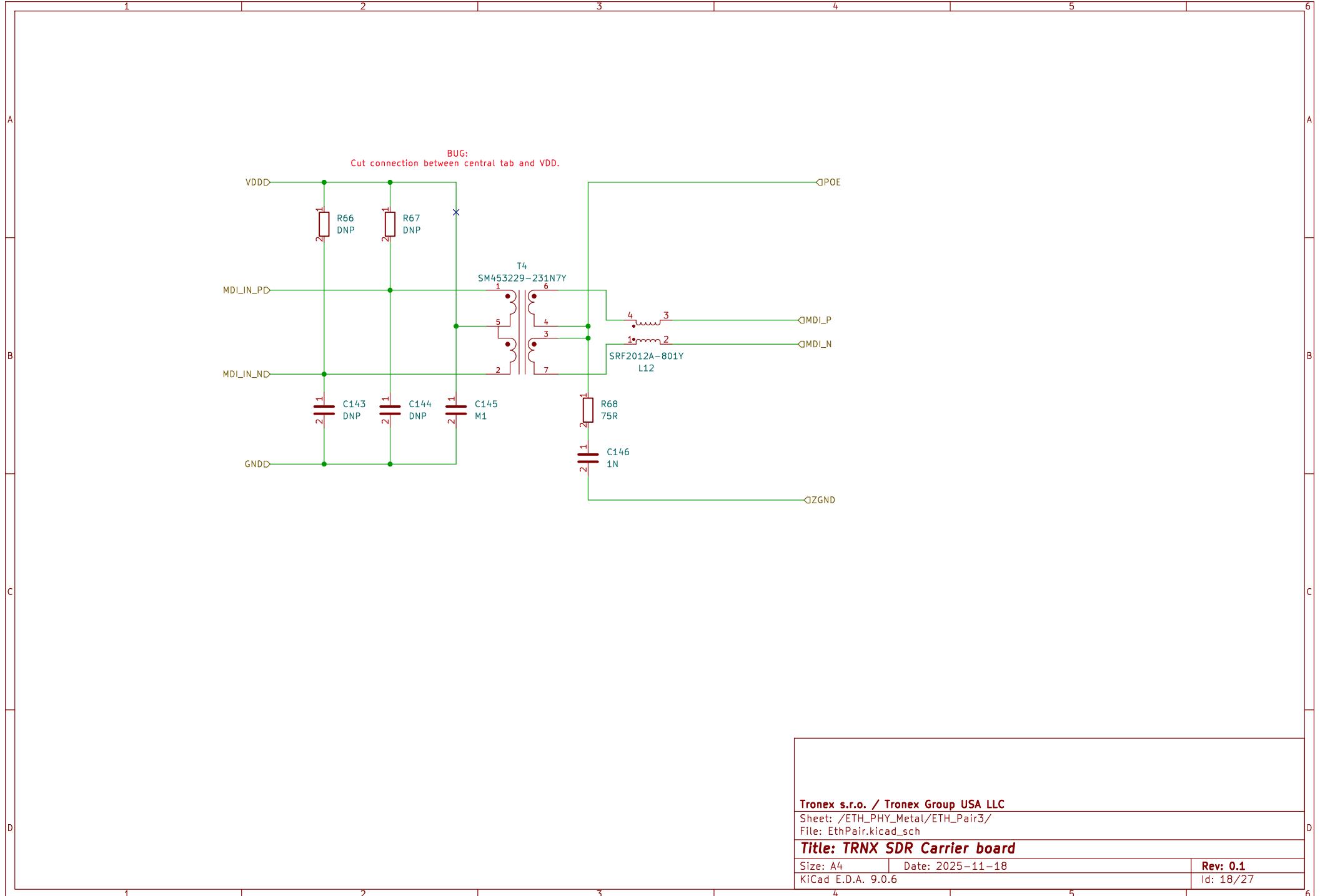
KiCad E.D.A. 9.0.6

**Rev: 0.1**

Id: 17/27

1 2 3 4 5 6

1 2 3 4 5 6



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ETH\_PHY\_Metal/ETH\_Pair3/

File: EthPair.kicad\_sch

**Title: TRNX SDR Carrier board**

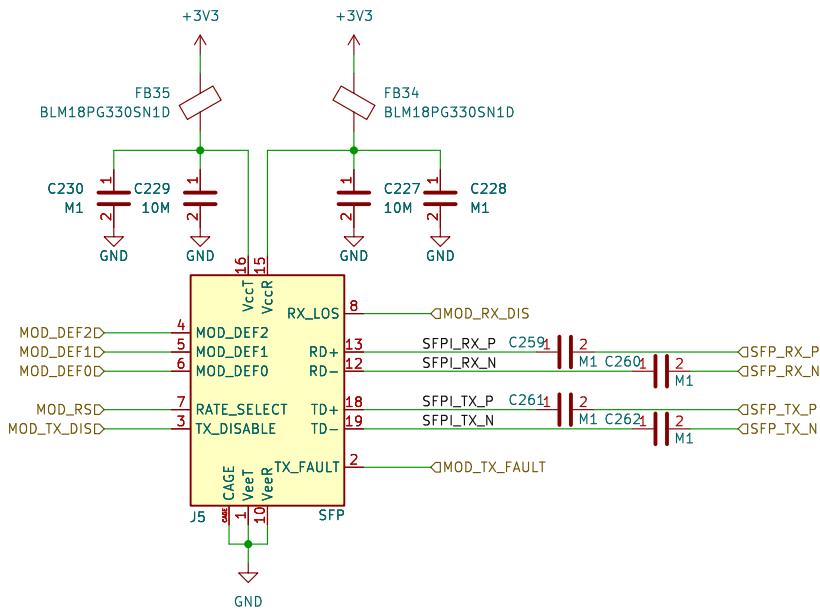
Size: A4 Date: 2025-11-18

KiCad E.D.A. 9.0.6

**Rev: 0.1**

Id: 18/27

1 2 3 4 5 6



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /SFP\_Port/  
File: SFP.kicad\_sch

## Title: TRNX SDR Carrier board

Size: A4

Rev: 0.1  
Id: 12/27

A

A

B

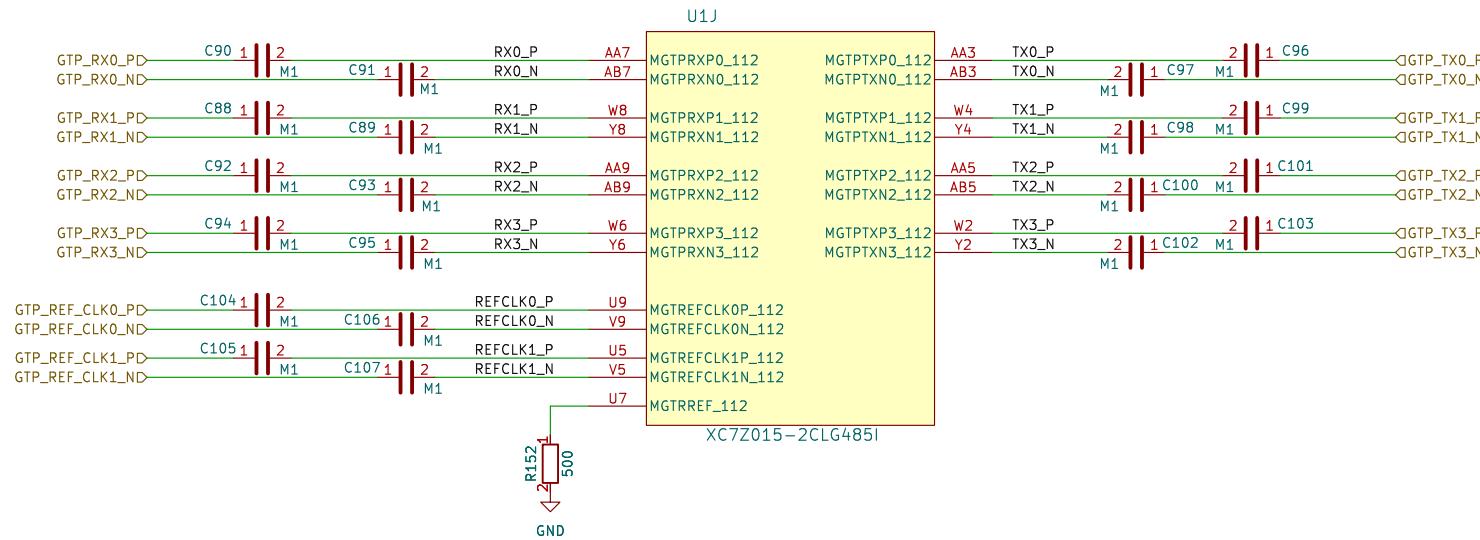
B

C

C

D

D



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ZYNQ\_Bank\_112/

File: ZYNQ\_Bank\_112.kicad\_sch

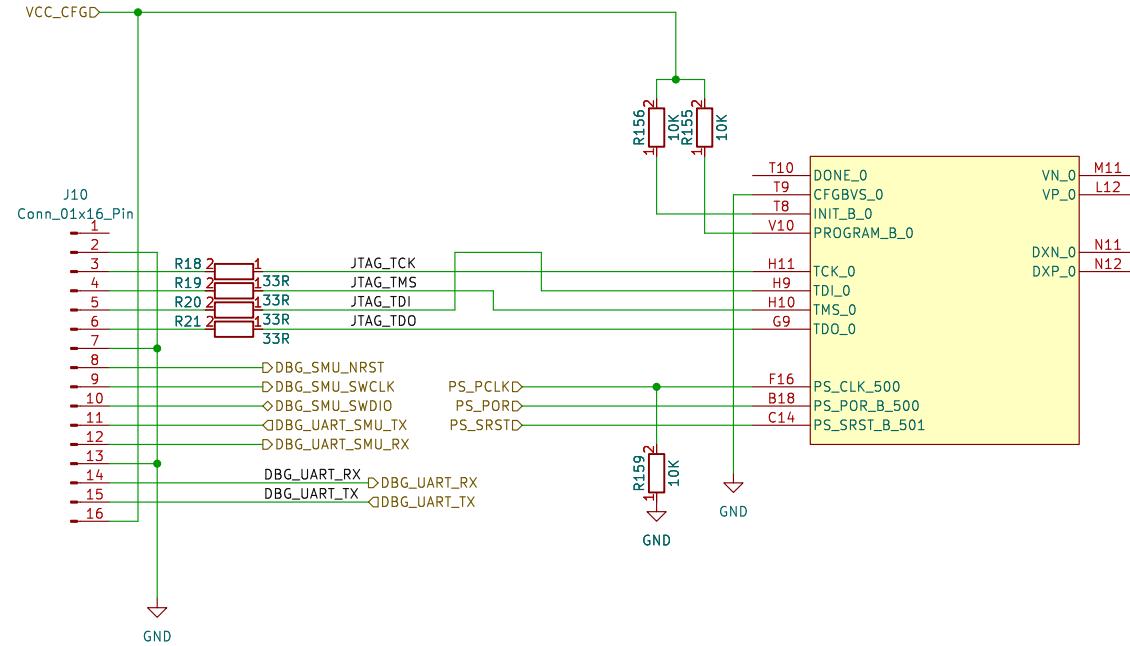
**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

KiCad E.D.A. 9.0.6

**Rev: 0.1**

Id: 13/27



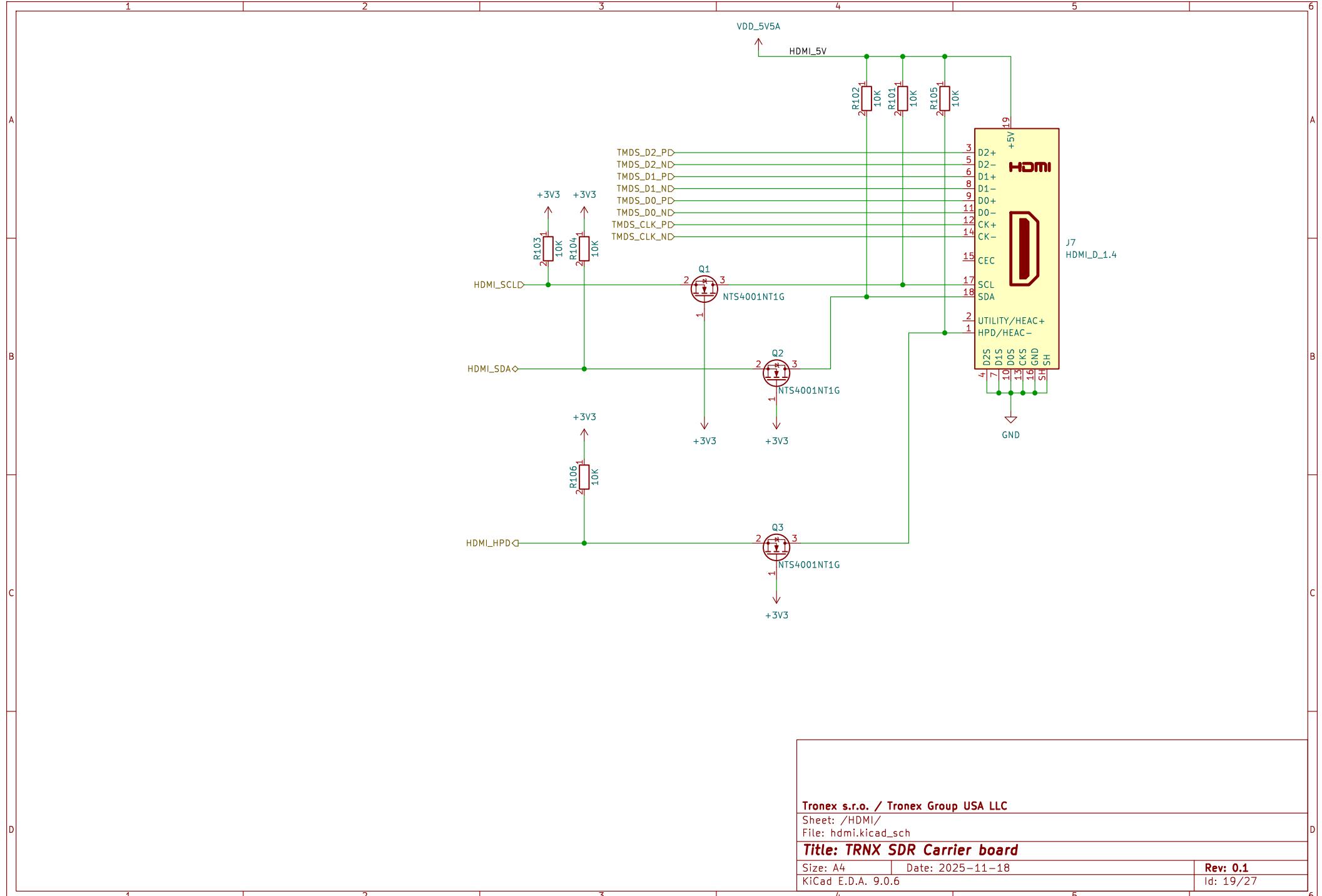
Tronex s.r.o. / Tronex Group USA LLC

Sheet: /ZynqConfig/  
File: ZynqConfig.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18  
KiCad E.D.A. 9.0.6

Rev: 0.1  
Id: 14/27



Tronex s.r.o. / Tronex Group USA LLC

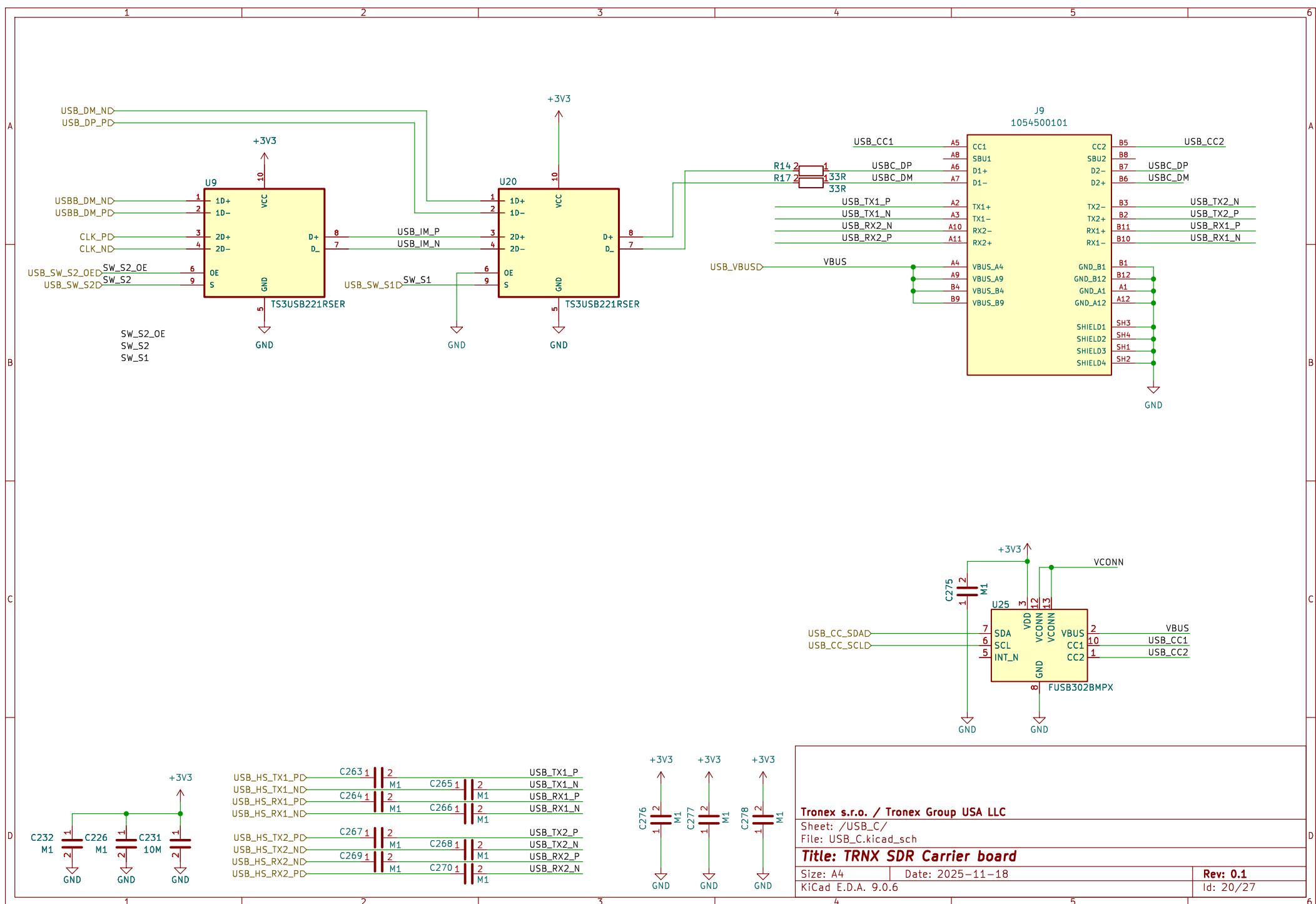
Sheet: /HDMI/  
File: hdmi.kicad\_sch

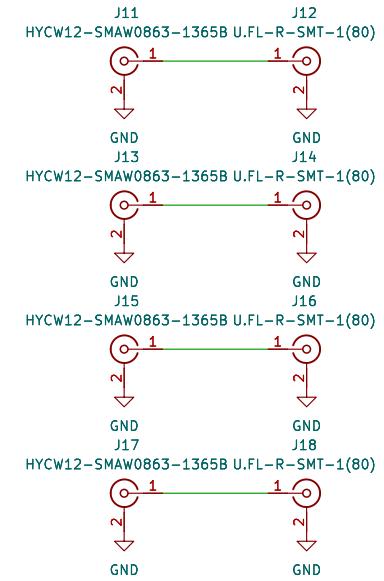
**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

KiCad E.D.A. 9.0.6

**Rev: 0.1**  
Id: 19/27





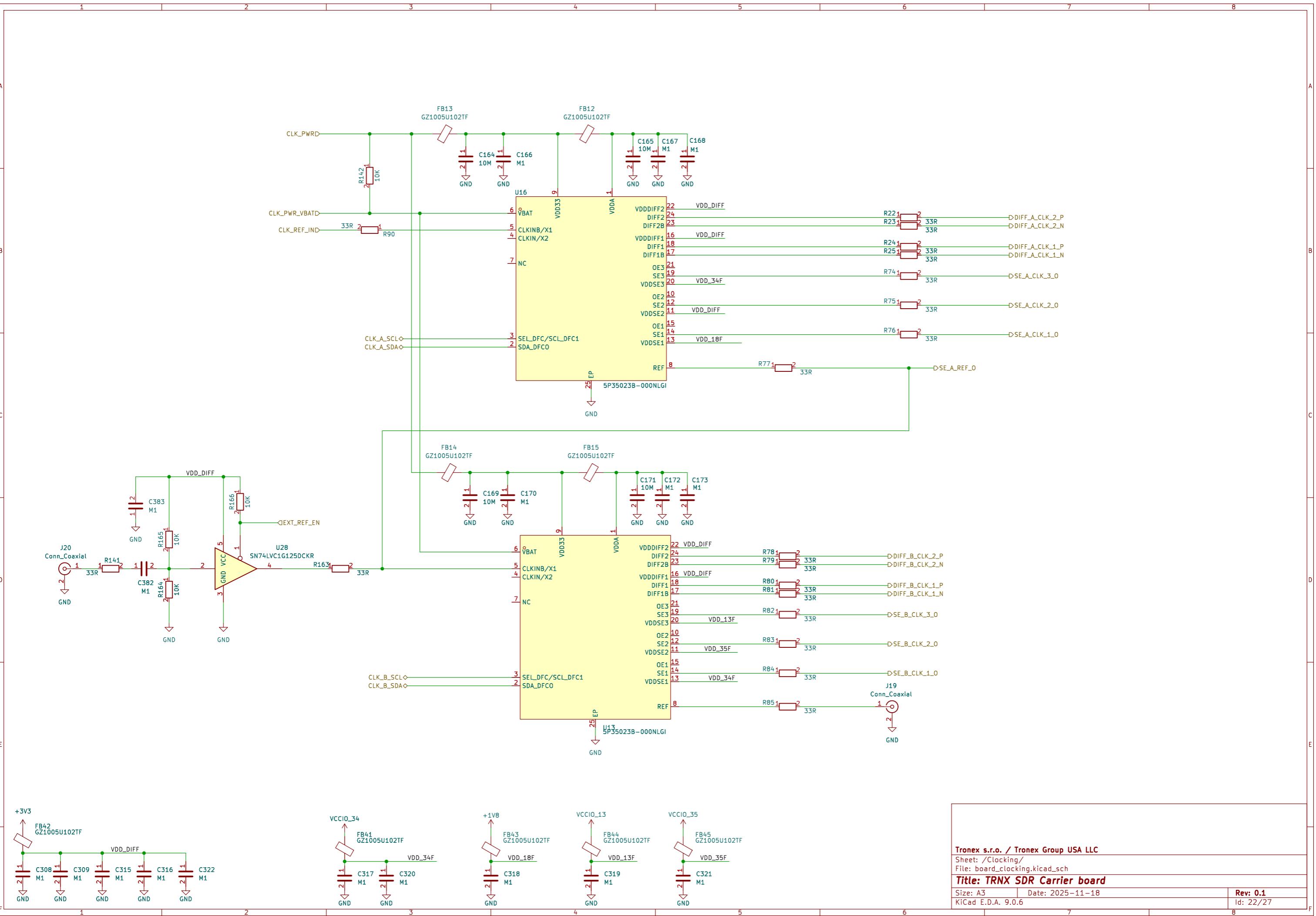
Tronex s.r.o. / Tronex Group USA LLC

Sheet: /RF\_If/  
File: RF\_If.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18  
KiCad E.D.A. 9.0.6

**Rev: 0.1**  
Id: 21/27



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /Clocking/

File: board\_clocking.kicad\_sch

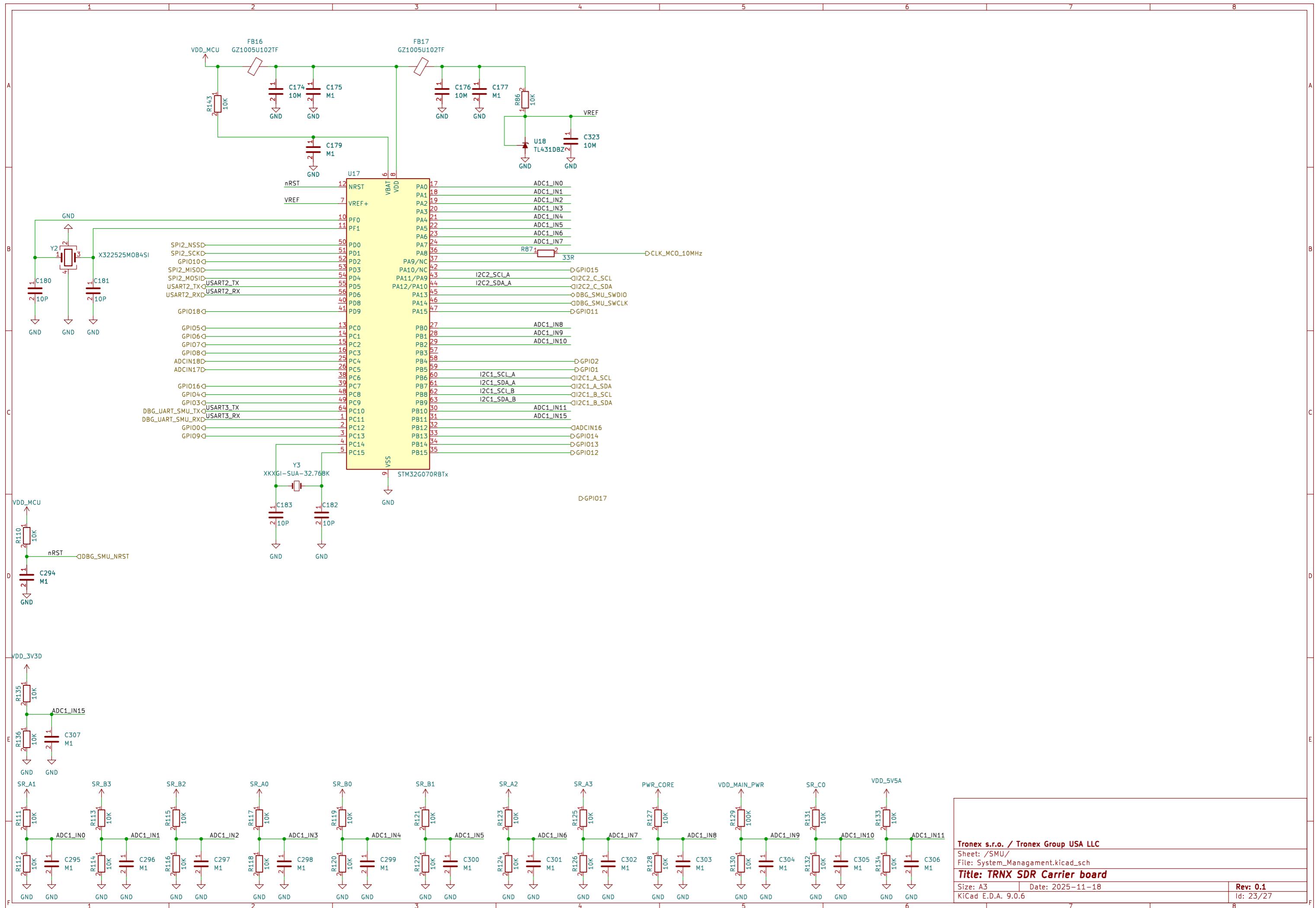
Title: TRNX SDR Carrier board

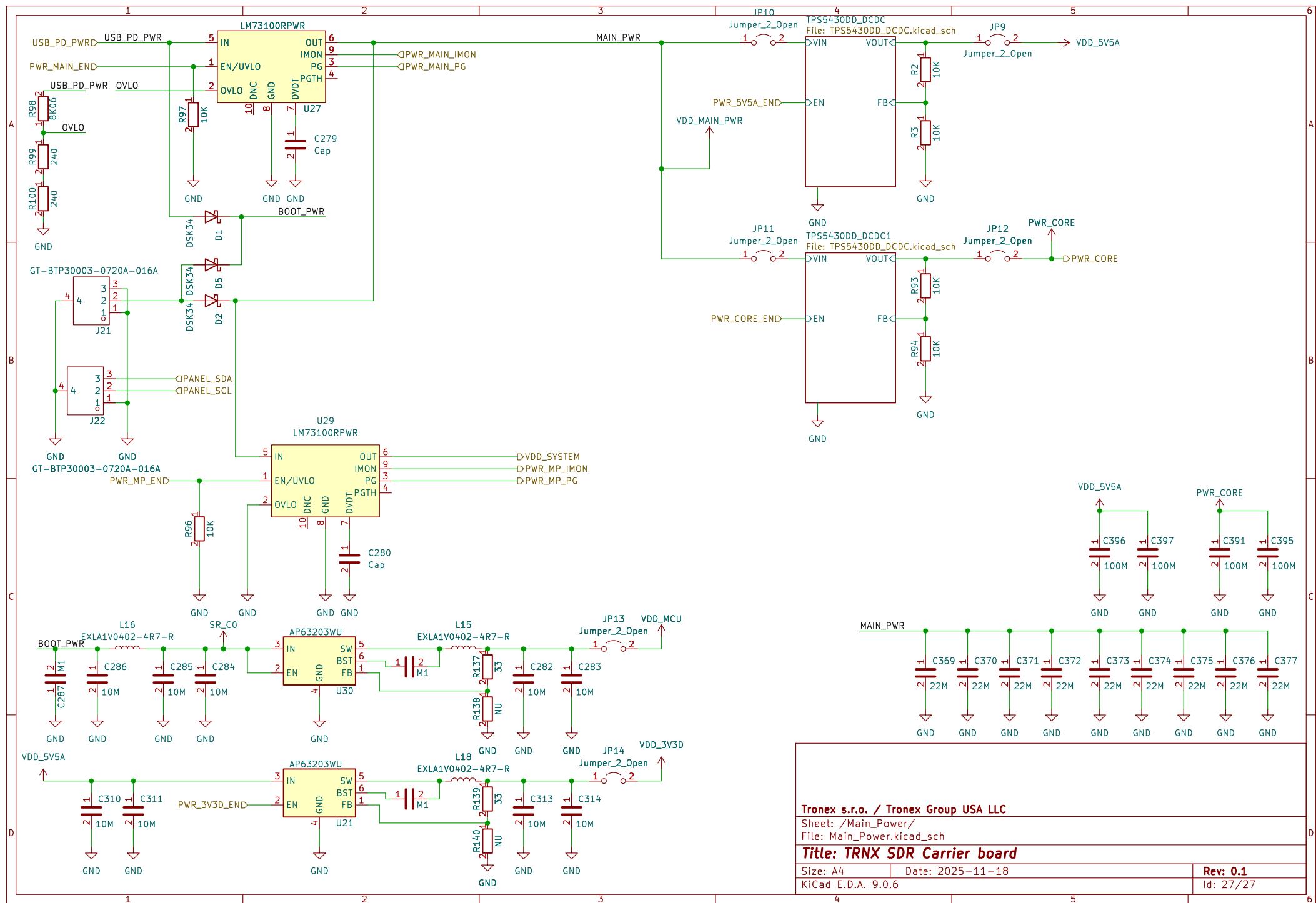
Size: A3 Date: 2025-11-18

KiCad E.D.A. 9.0.6

Rev: 0.1

Id: 22/27





Tronex s.r.o. / Tronex Group USA LLC

Sheet: /Main\_Power/  
File: Main\_Power.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18  
KiCad E.D.A. 9.0.6

Rev: 0.1  
Id: 27/27

1 2 3 4 5 6

A

A

B

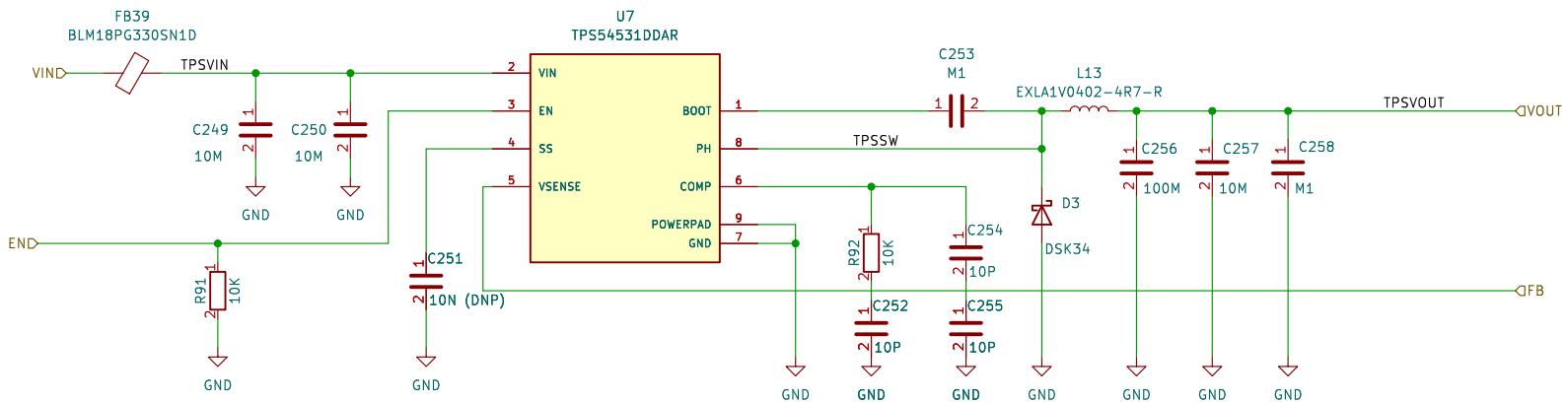
B

C

C

D

D



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /Main\_Power/TPS5430DD\_DCDC1/

File: TPS5430DD\_DCDC.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

KiCad E.D.A. 9.0.6

**Rev: 0.1**

Id: 24/27

1 2 3 4 5 6

1 2 3 4 5 6

A

A

B

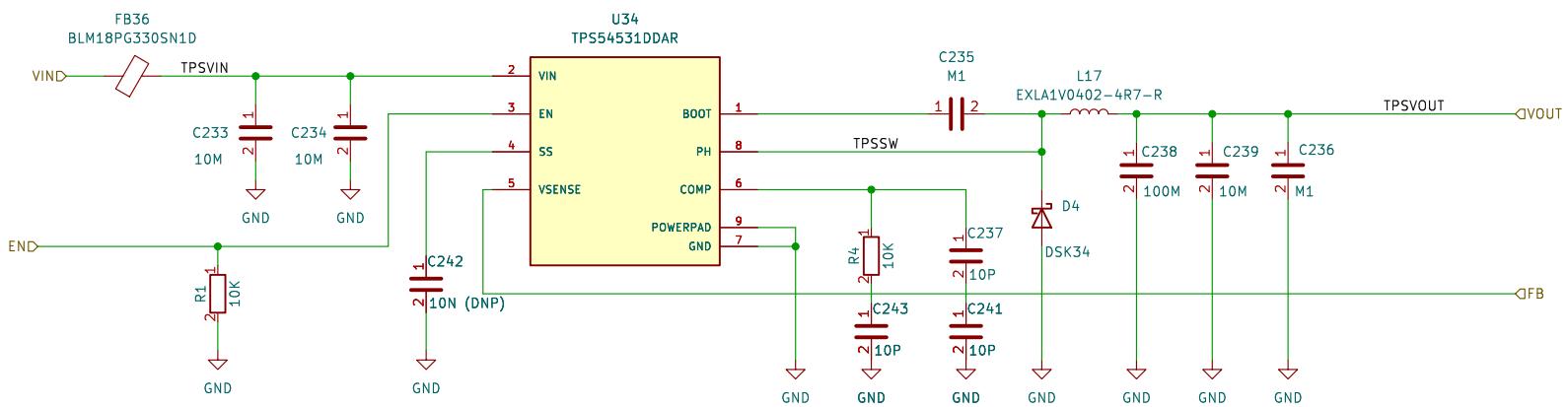
B

C

C

D

D



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /Main\_Power/TPS5430DD\_DCDC/

File: TPS5430DD\_DCDC.kicad\_sch

Title: TRNX SDR Carrier board

Size: A4 Date: 2025-11-18

KiCad E.D.A. 9.0.6

Rev: 0.1

Id: 25/27

1 2 3 4 5 6

A

A

B

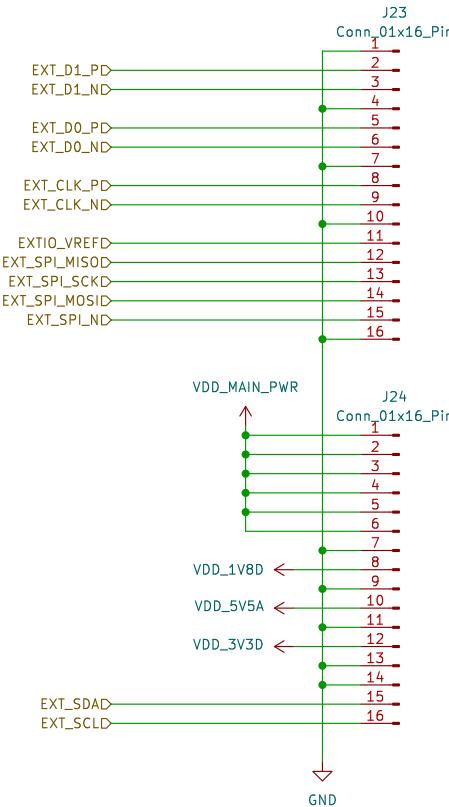
B

C

C

D

D



Tronex s.r.o. / Tronex Group USA LLC

Sheet: /External\_Interface/

File: ExtInt.kicad\_sch

**Title: TRNX SDR Carrier board**

Size: A4 Date: 2025-11-18

KiCad E.D.A. 9.0.6

**Rev: 0.1**

Id: 27/27