

A

A

**Board-to-Board**

File: board-to-board.kicad\_sch

IO1

File: io1.kicad\_sch

IO2

File: io2.kicad\_sch

B

B

# MR-MCXN-T1 IO

C

C

D

D

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CTO SYSTEM INNOVATIONS / MOBILE ROBOTICS DOMAIN  
**NXP SEMICONDUCTORS B.V.**



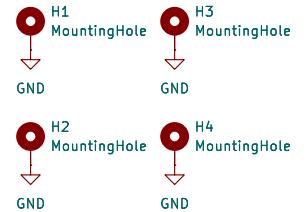
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**Title: MR-MCXN-T1-IO**

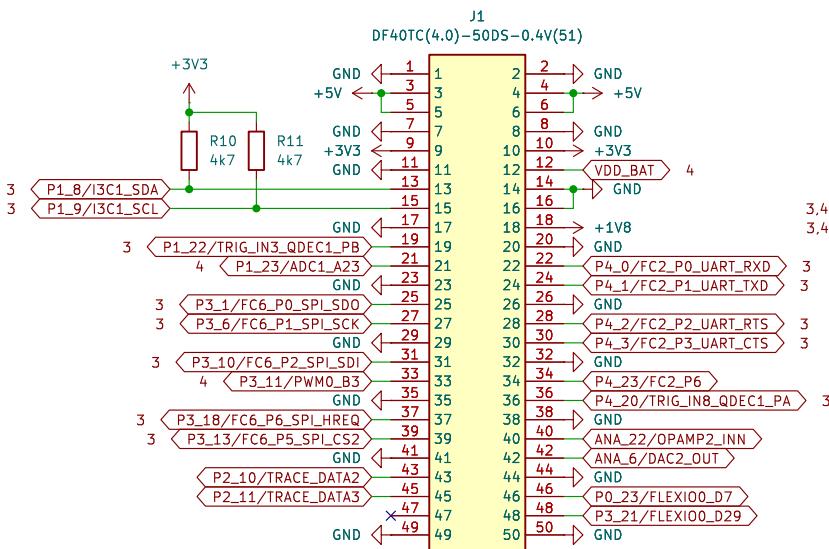
Size: A4 Date: 2025-10-13  
KiCad E.D.A. 9.0.4

**Rev: X0**  
Id: 1/4

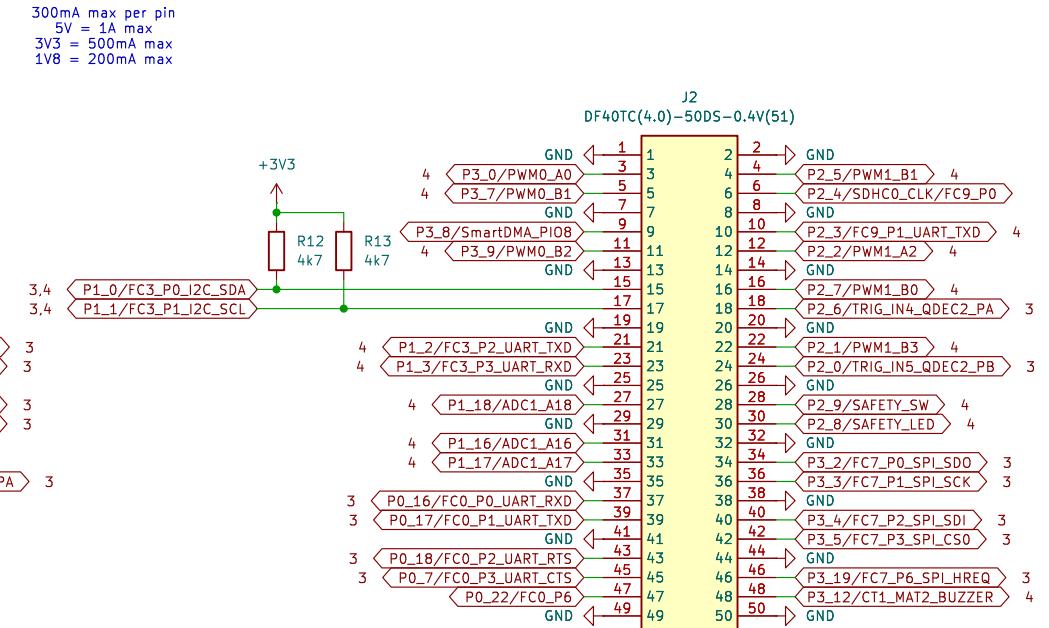
1 2 3 4 5 6



300mA max per pin  
5V = 1A max  
3V3 = 500mA max  
1V8 = 200mA max



3,4 P1\_0/FC3\_P0\_I2C\_SDA  
3,4 P1\_1/FC3\_P1\_I2C\_SCL



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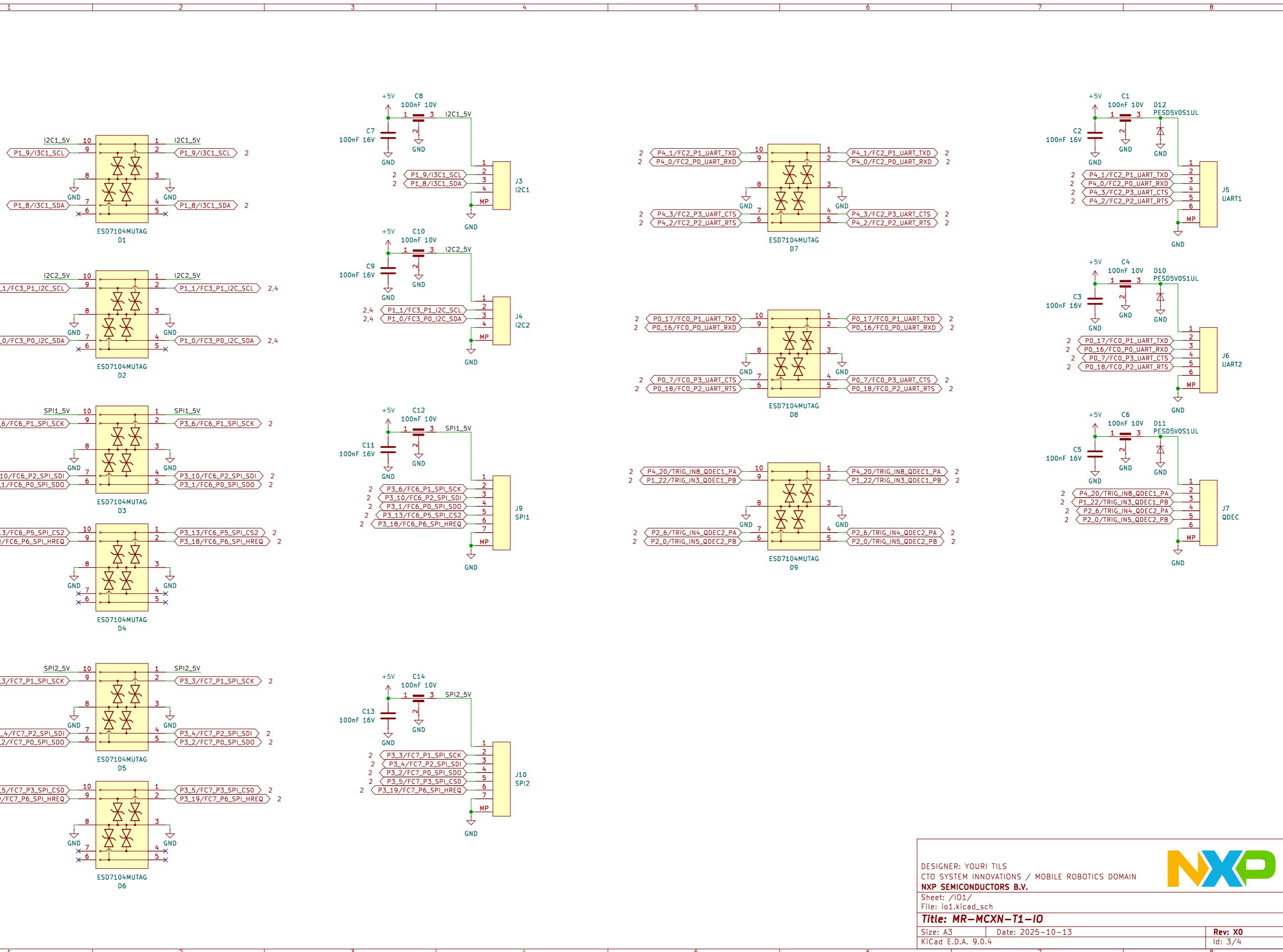
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**Title: MR-MCXN-T1-10**

Size: A4 Date: 2025-10-13  
KiCad E.D.A. 9.0.4

Rev: X0  
Id: 2/4

1 2 3 4 5 6



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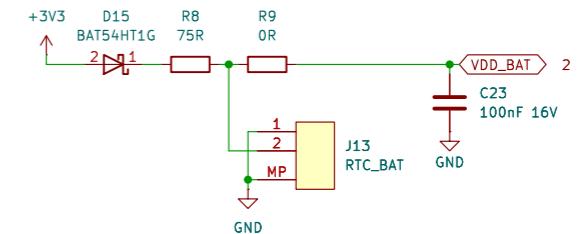
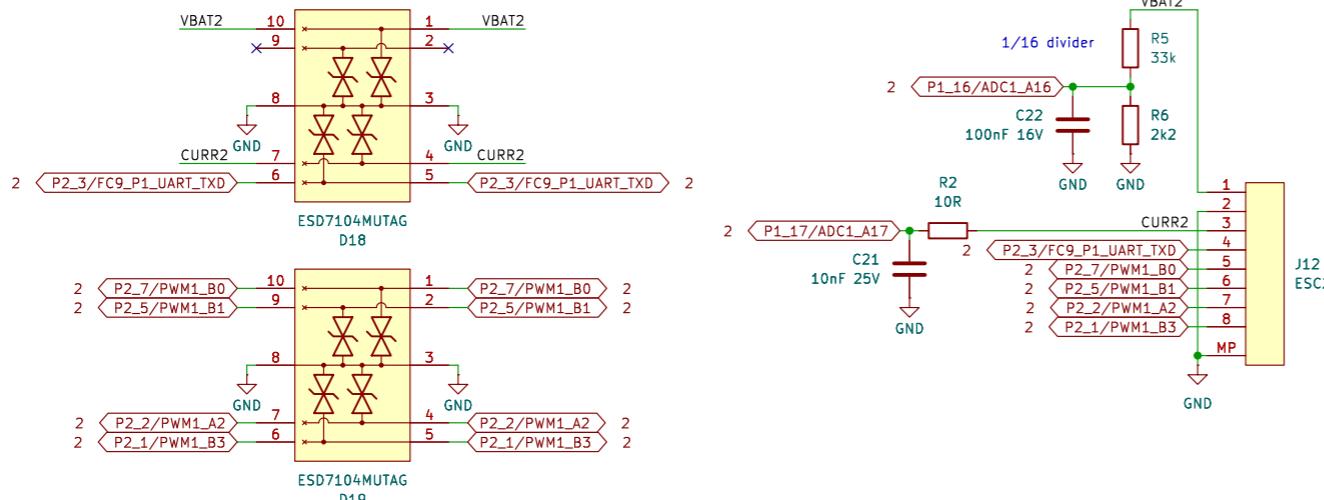
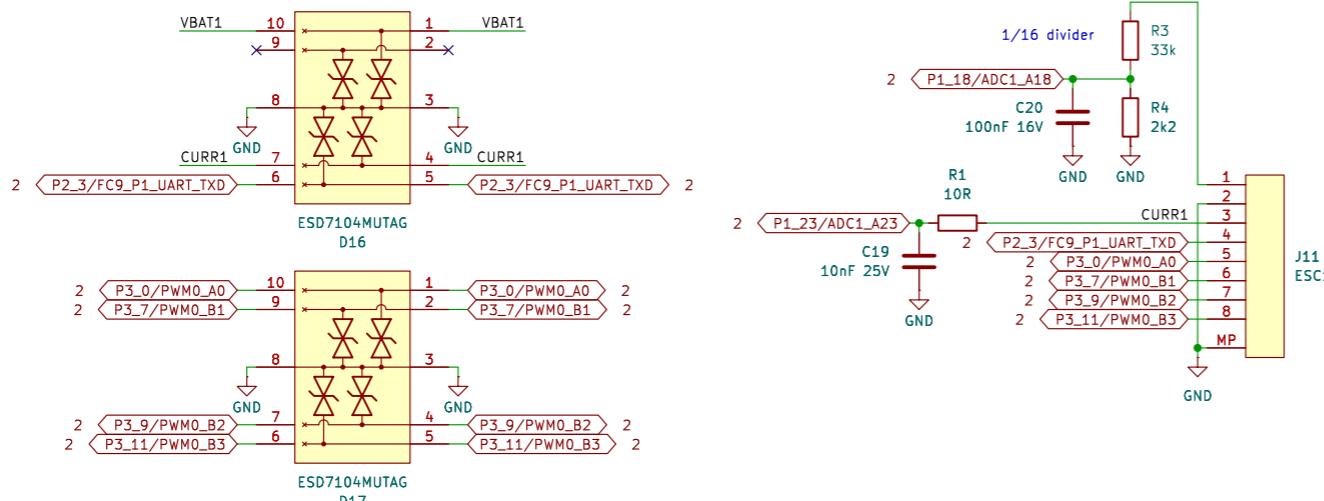
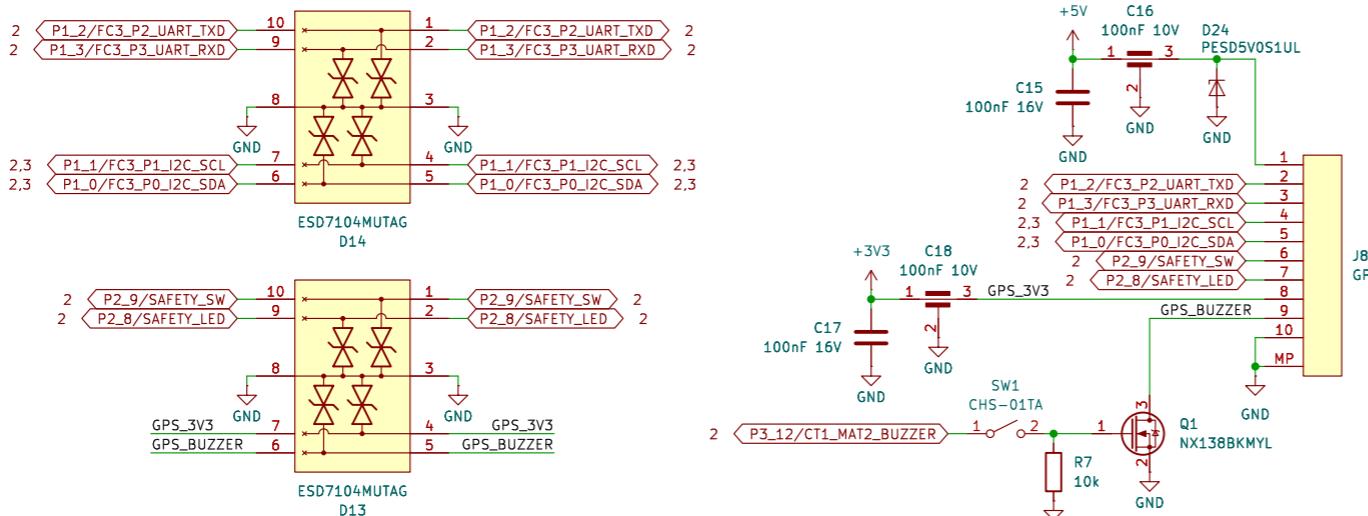
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**Title: MR-MCXN-T1-I0**

Size: A3 Date: 2025-10-13  
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Rev: X0  
 Id: 3/4



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Sheet: /102/  
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Title: MR-MCXN-T1-10

Size: A3 Date: 2025-10-13  
KiCad E.D.A. 9.0.4

Rev: X0  
Id: 4/4