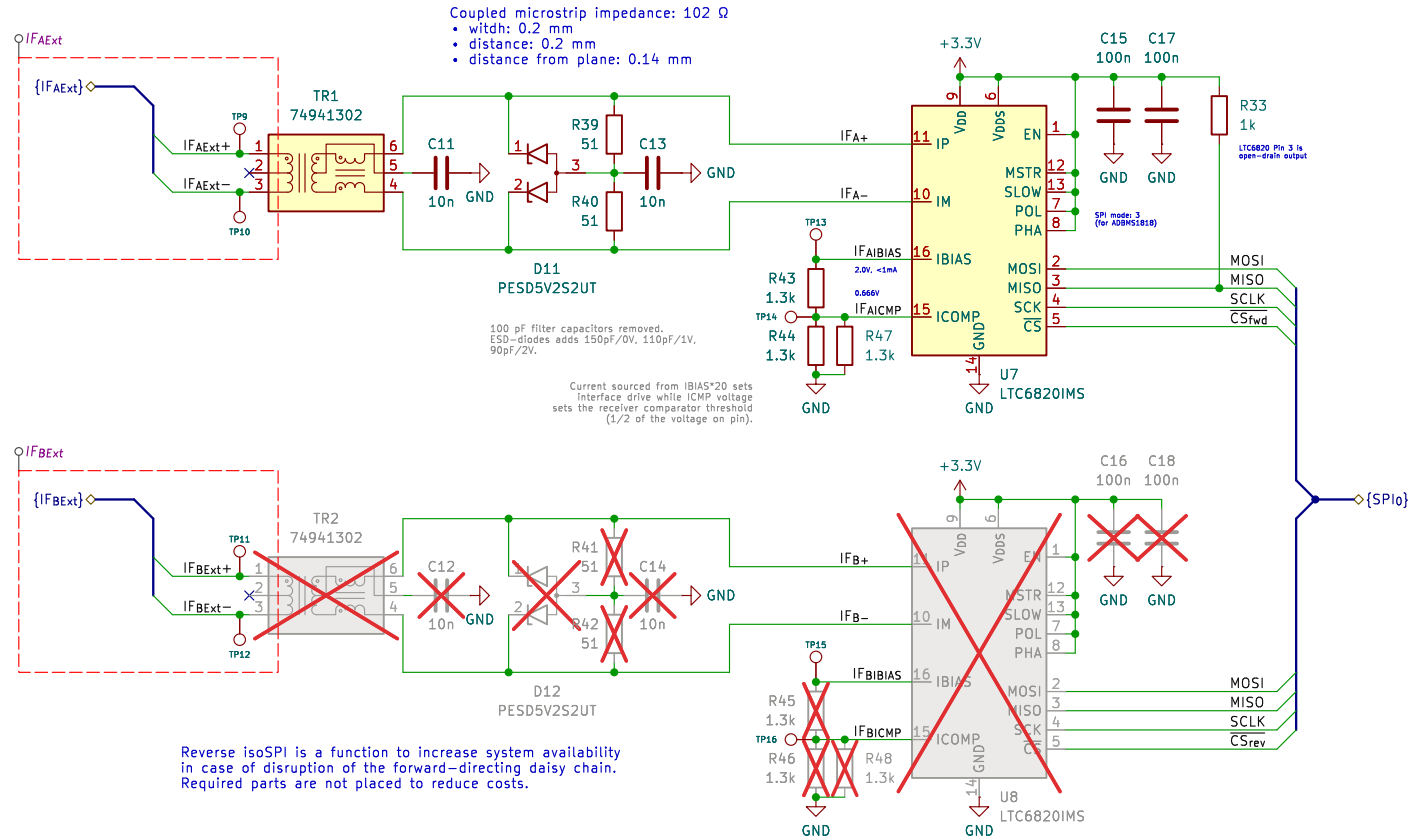


# isoSPI interface



Frank Bättermann (frank /at/ Ich-war-hier.de)

Sheet: /isoSPI/  
File: isospi.kicad\_sch

CERN-OHL-S  
2.0

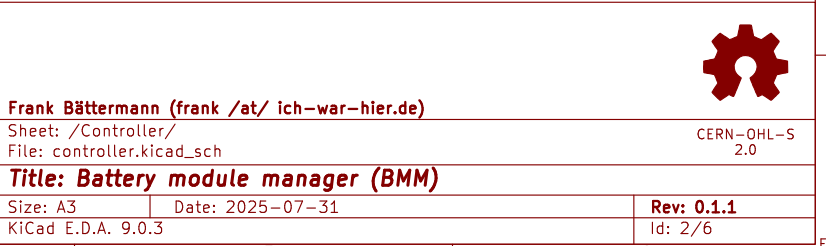
**Title: Battery module manager (BMM)**

Size: A4 Date: 2025-07-31

Rev: 0.1.1

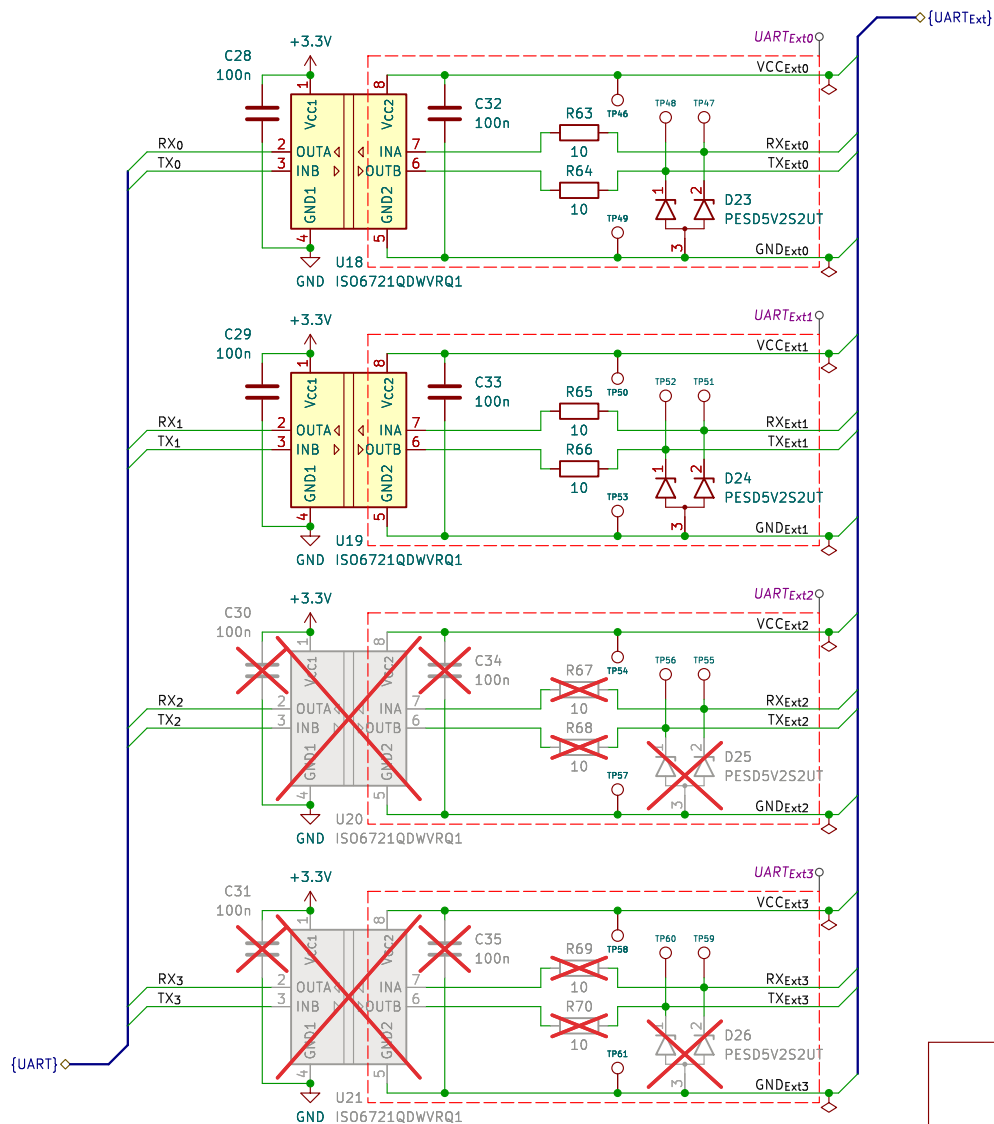
KiCad E.D.A. 9.0.3

Id: 3/6





# UART interfaces



Frank Bättermann (frank /at/ Ich-war-hier.de)

Sheet: /UART/  
File: uart.kicad\_sch

CERN-OHL-S  
2.0

**Title: Battery module manager (BMM)**

Size: A4 Date: 2025-07-31

Rev: 0.1.1

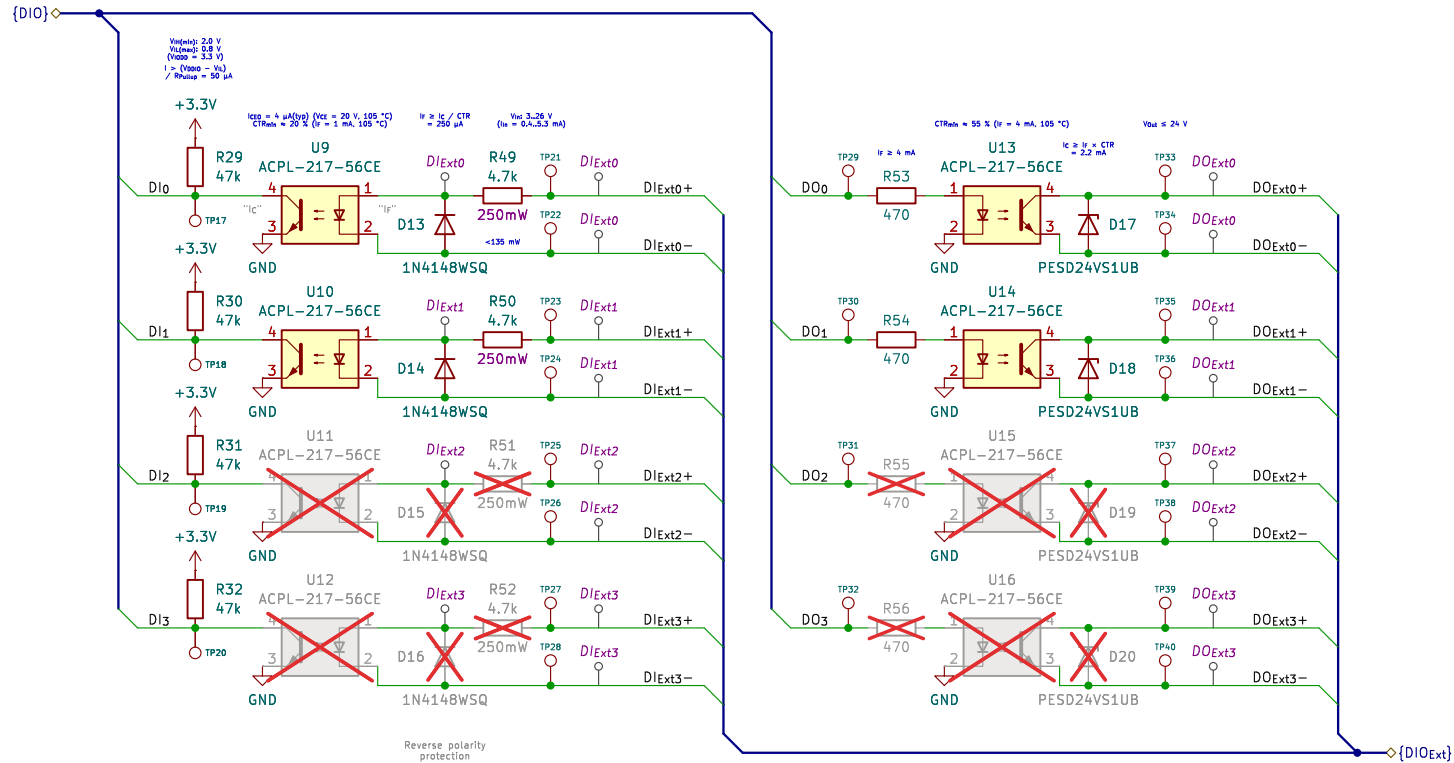
KiCad E.D.A. 9.0.3

Id: 6/6



## Digital inputs and outputs

IO-expander inputs: invert level using TCA9539 inversion register



Frank Bättermann (frank /at/ Ich-war-hier.de)

Sheet: /Digital IO/  
File: digital\_io.kicad\_sch

CERN-OHL-S  
2.0

**Title: Battery module manager (BMM)**

Size: A4 Date: 2025-07-31

Rev: 0.1.1

KiCad E.D.A. 9.0.3

Id: 4/6