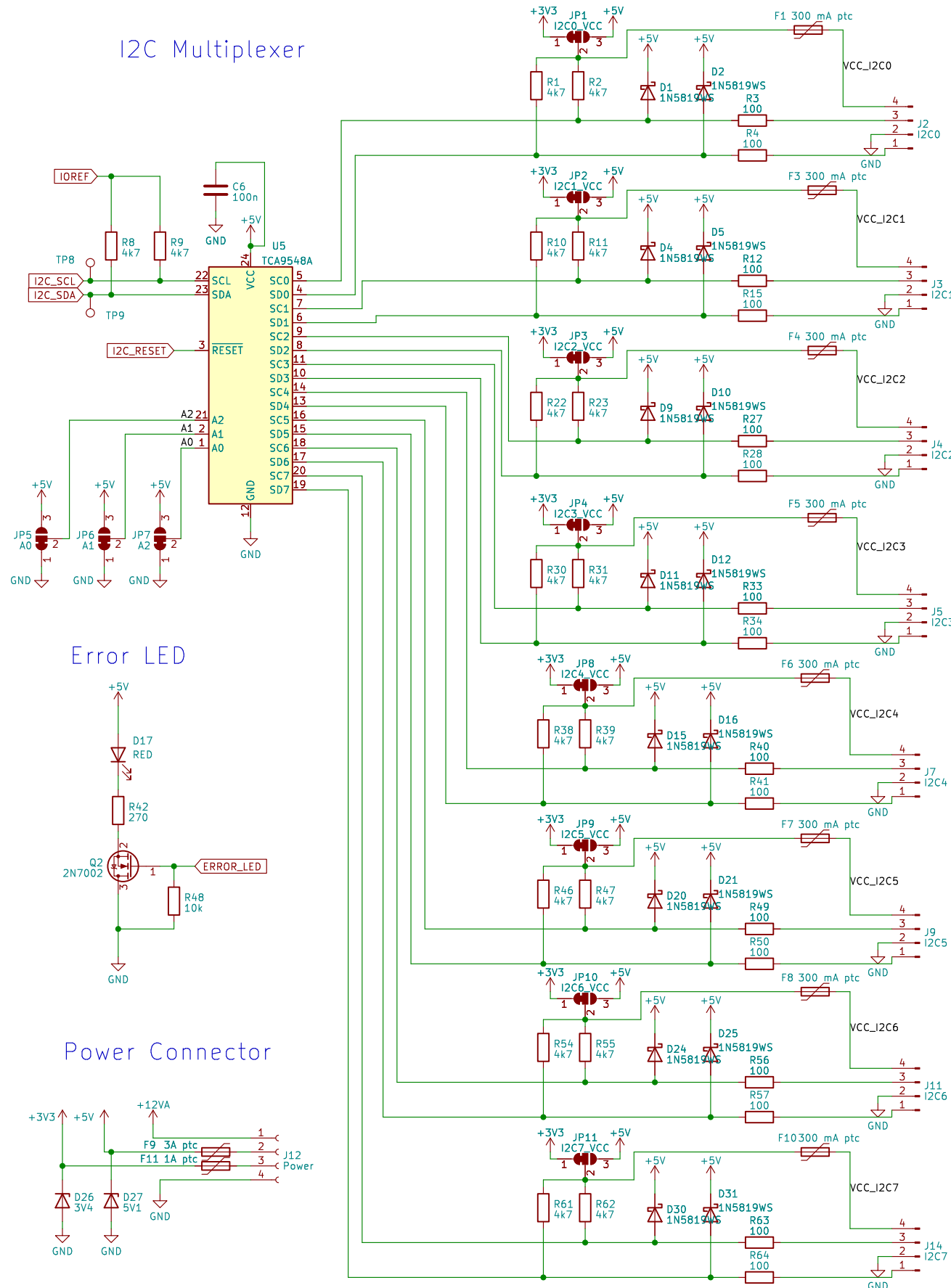
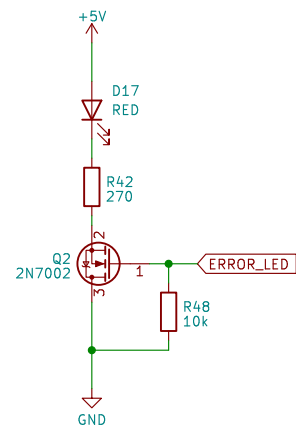


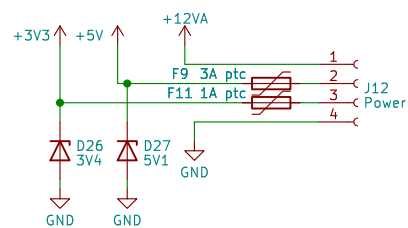
## I2C Multiplexer



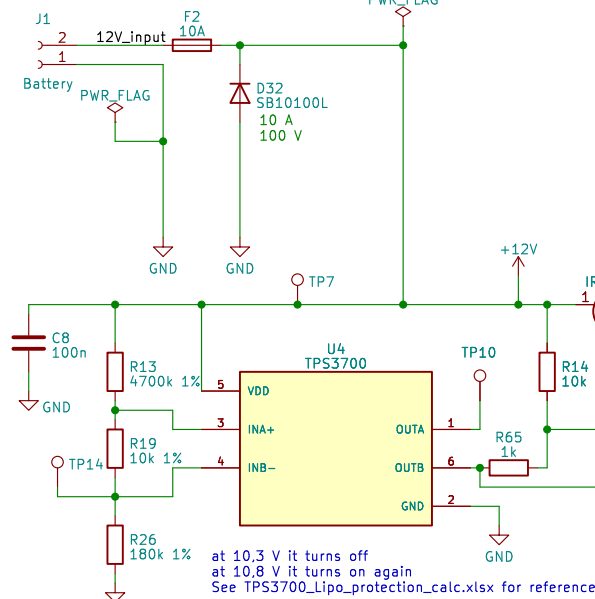
## Error LED



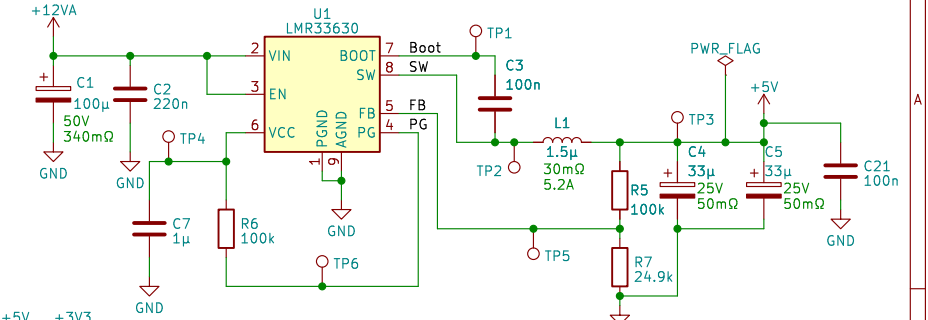
## Power Connector



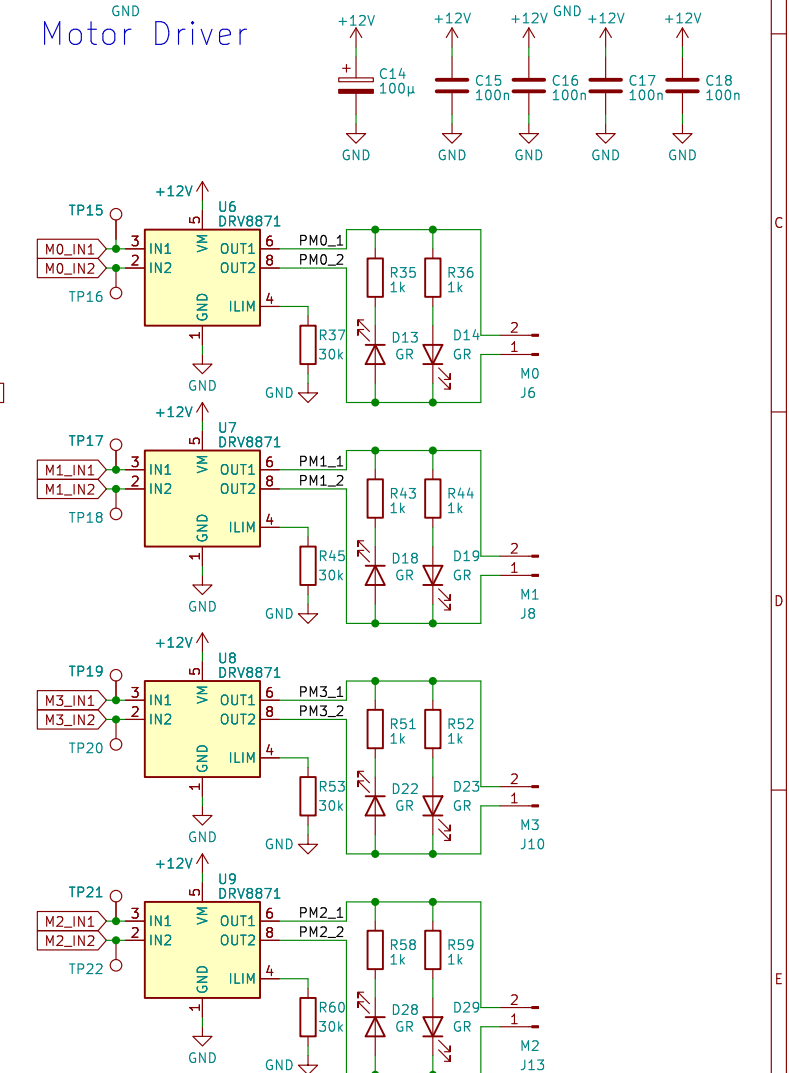
## Input Protection Circuit



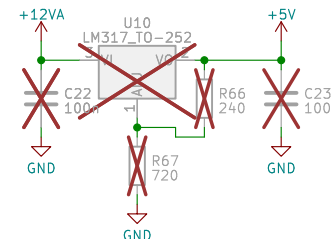
## Voltage Regulator



## Motor Driver



Notes:  
LED current 50%:  
green 2.05 V, 10 mA  
red 2 V, 12.5 mA  
Motor Current:  
R4 min is 15k -> 4.2 A  
L<sub>max</sub> = 64kV/R4



RoCCI e.V.

Sheet: /  
File: RoCCIBoard.kicad\_sch

Title: RoCCI Shield

Size: A3 Date: 2023-07-29  
KiCad E.D.A. kicad 7.0.2

Rev: 1.0  
Id: 1/1