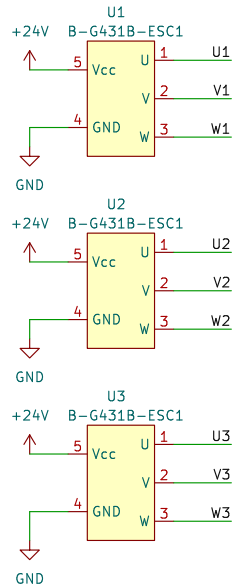
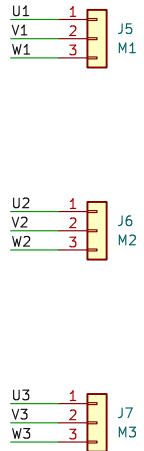


ESC STM32 Dev Cards

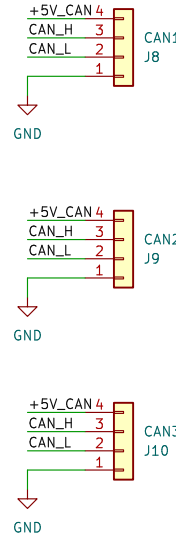
STM32 ESC Development Card



Motor Phases Connectors U/V/W

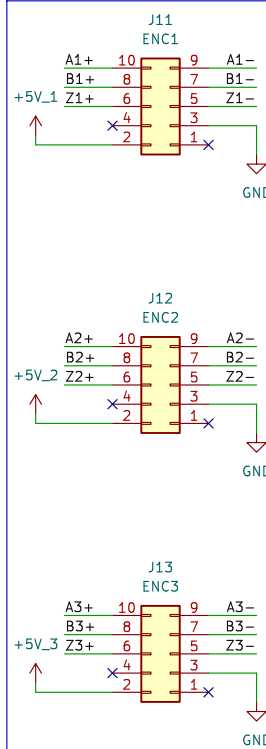


CAN Connectors (to ESC)

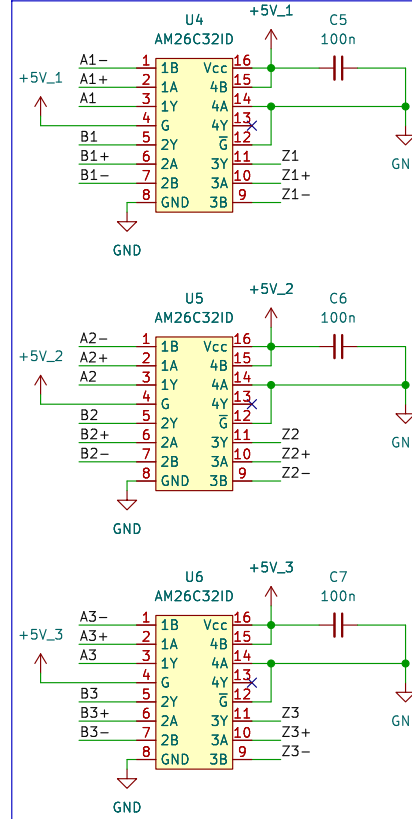


Encoders

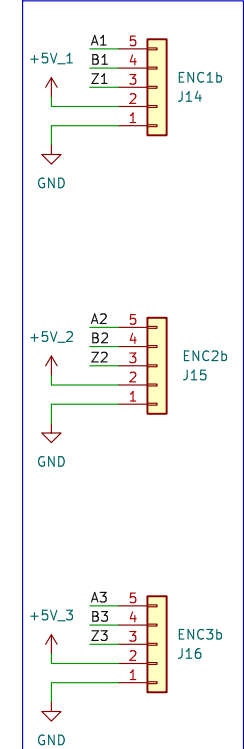
Motor Encoders Connectors



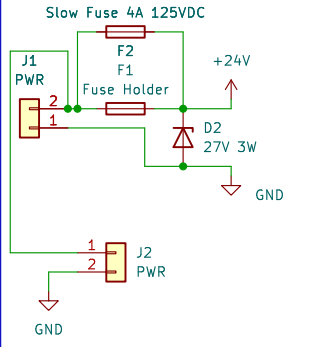
Differential IC (Encoders)



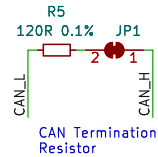
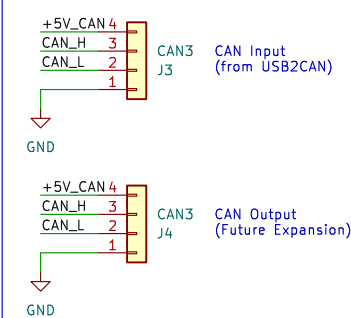
Differential Output to ESC Connectors



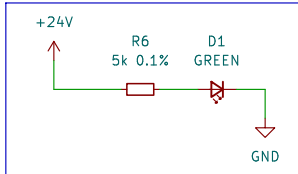
+24V Power Input



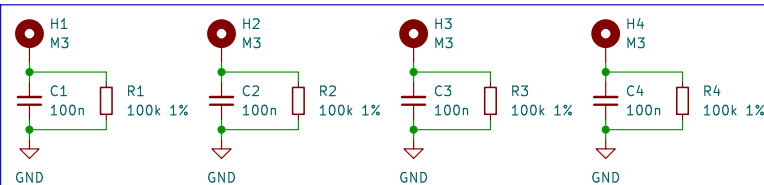
CAN Connectors (I/O)



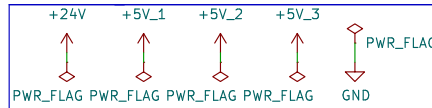
Indicator Led



Mounting Holes with decoupling



KICAD problems solving box



This PCB allows mounting 3 STM32 ESC Dev kit on a single motherboard PCB. The PCB has been routed to withstand up to 6A current on power tracks.

Original Idea: Ruiliang Lin

Realisation: Nicolas Péteut

REHAssist

Sheet: /

File: 3axis_motherboard.kicad_sch

Title: DELTA Robots 3 Axis Motherboard

Size: A4 Date: 23.01.2024

KiCad E.D.A. kicad 7.0.6

Rev: V1.0

Id: 1/1