

Sheet: /
File: STAR.kicad_sch

Title:

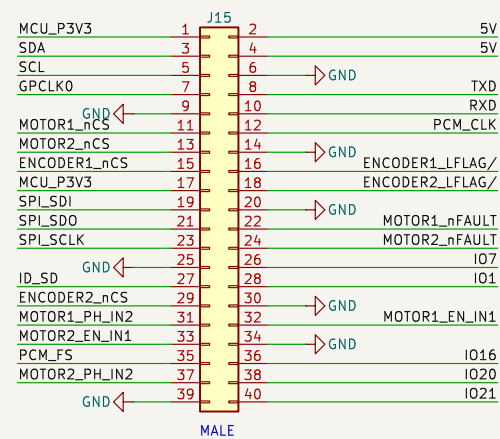
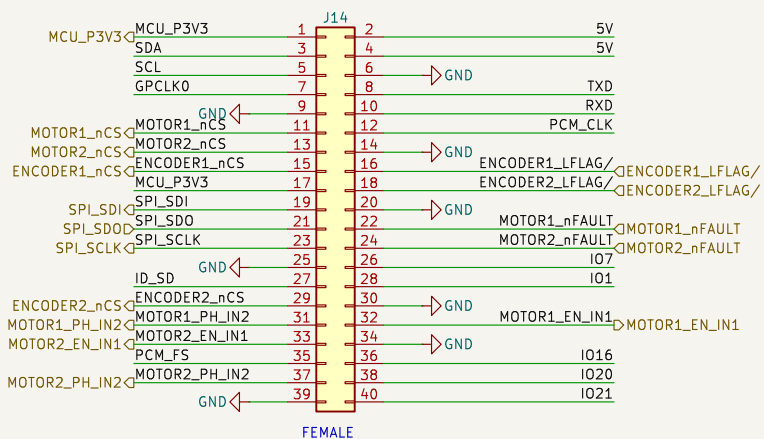
Size: A4

Date:

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Sheet: /MCU/
File: MCU.kicad_sch

Title:

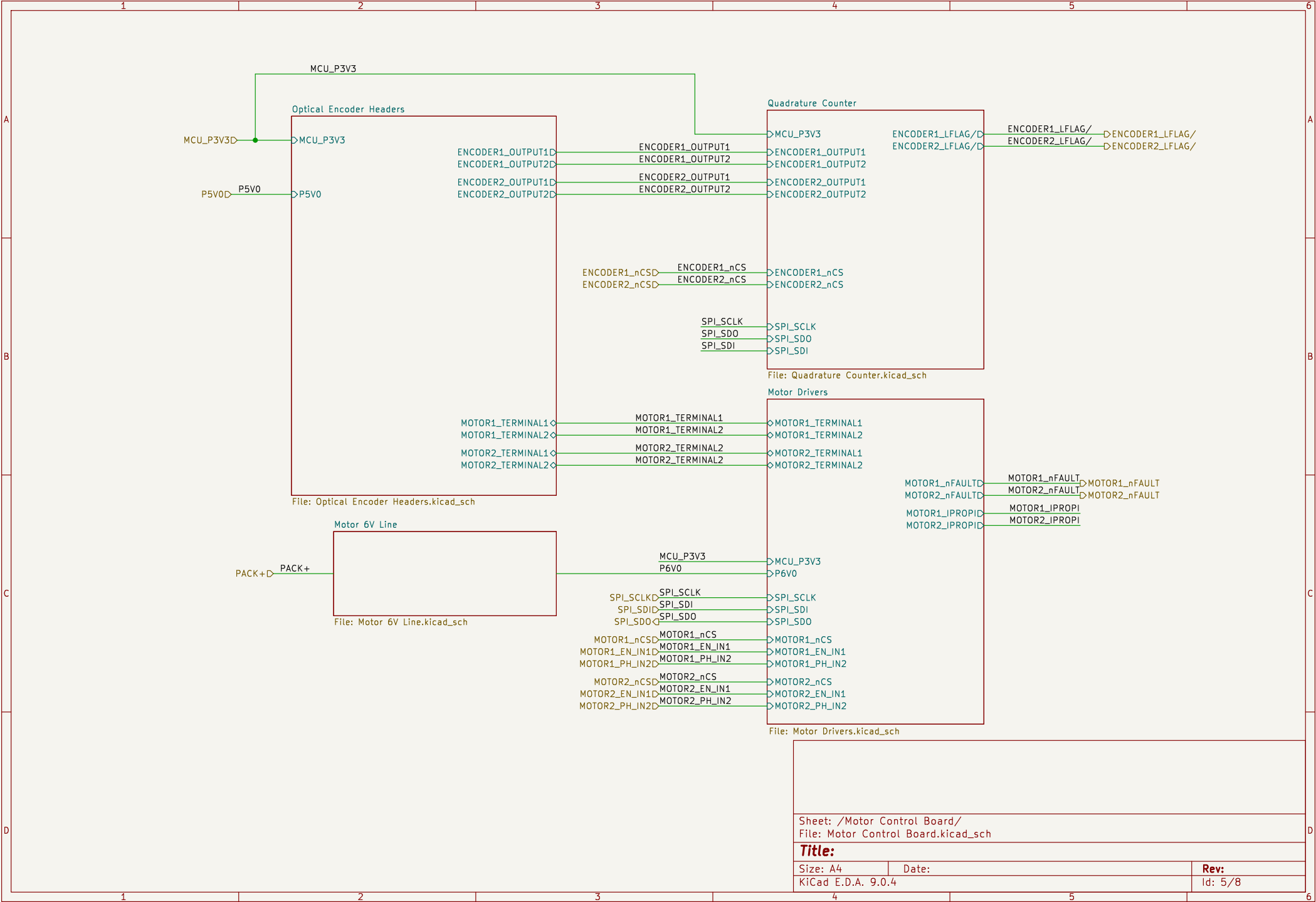
Size: A4

Date:

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Rev:

Id: 2/8



Sheet: /Motor Control Board/
File: Motor Control Board.kicad_sch

Title:

Size: A4

Date:

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Id: 5/8

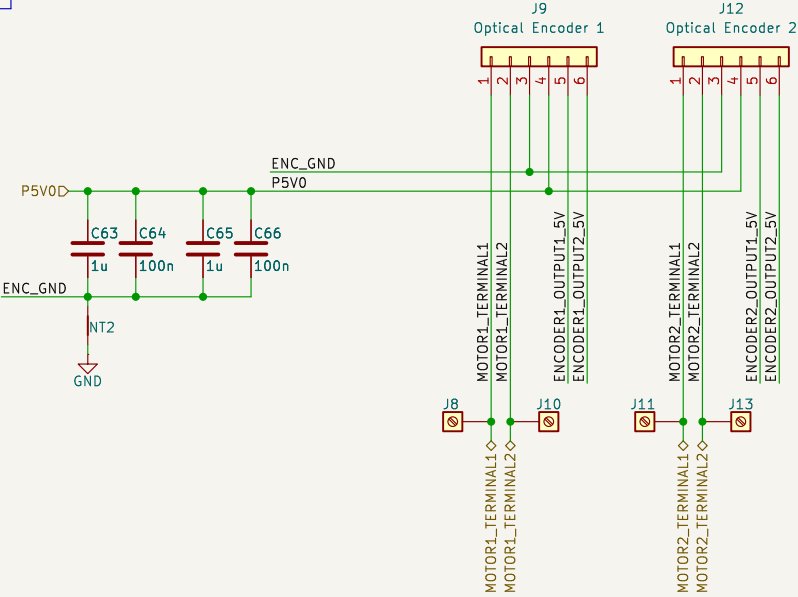
*** IMPLEMENENT ***

Sheet: /Motor Control Board/Motor 6V Line/
File: Motor 6V Line.kicad_sch

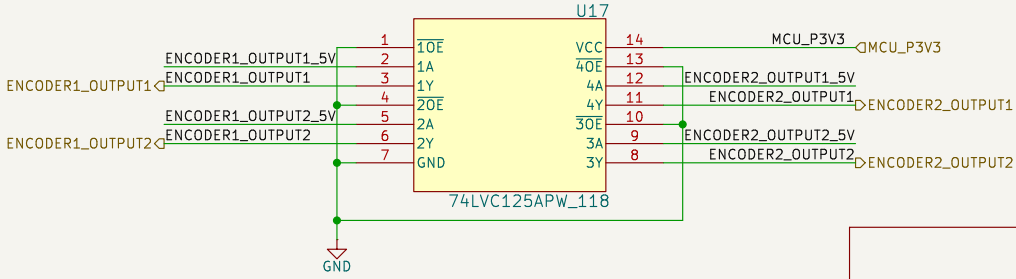
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Size: A4	Date:	
KiCad E.D.A. 9.0.4		Rev: Id: 6/8

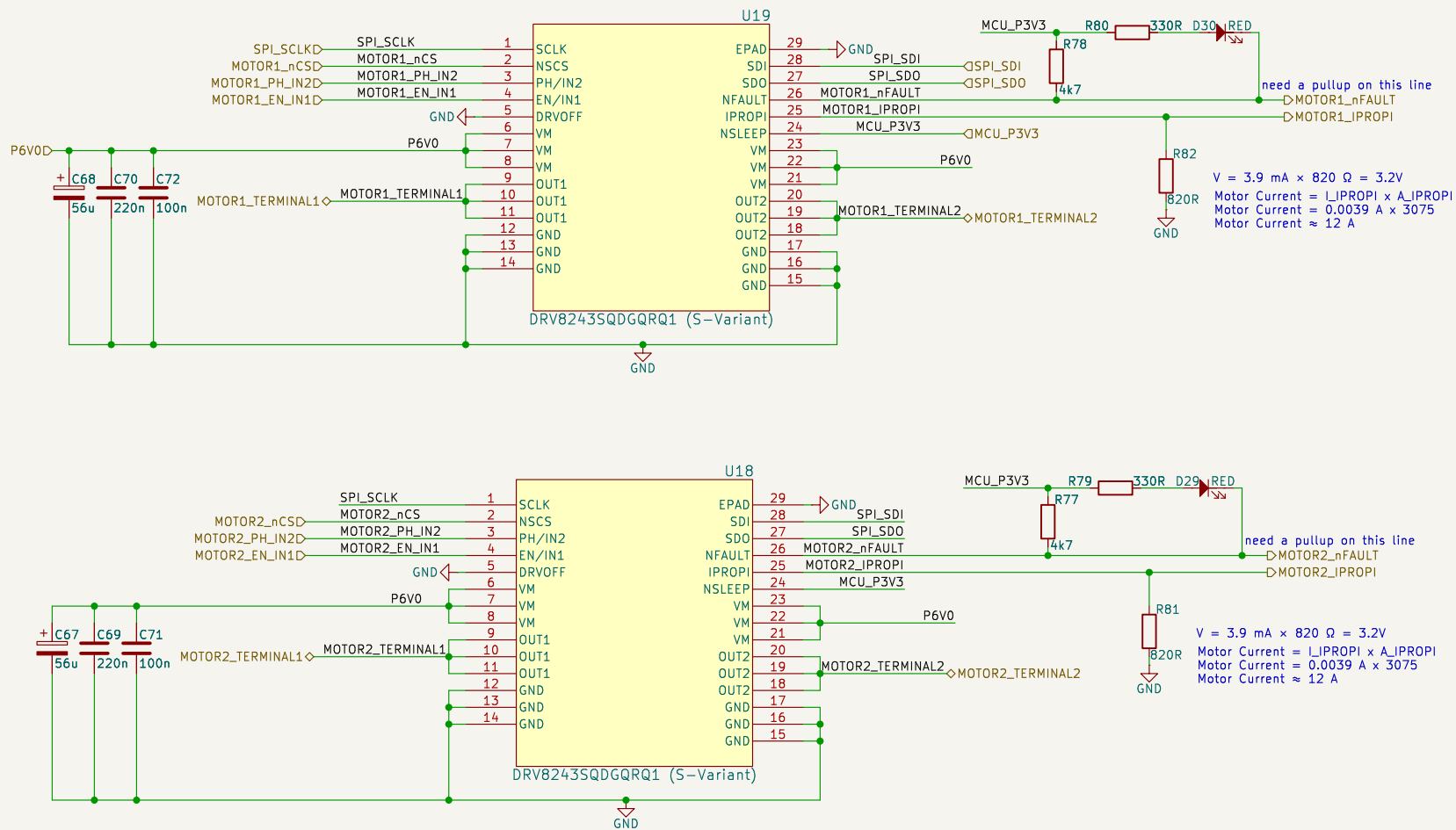
(1) Red	motor power (connects to one motor terminal)
(2) Black	motor power (connects to the other motor terminal)
(3) Green	encoder GND
(4) Blue	encoder Vcc (3.5 – 20 V)
(5) Yellow	encoder A output
(6) White	encoder B output

- TP39 ○ ENC_GND
- TP40 ○ MOTOR1_TERMINAL1
- TP41 ○ MOTOR1_TERMINAL2
- TP42 ○ ENCODER1_OUTPUT1_5V
- TP43 ○ ENCODER1_OUTPUT2_5V
- TP44 ○ MOTOR2_TERMINAL1
- TP45 ○ MOTOR2_TERMINAL2
- TP46 ○ ENCODER2_OUTPUT1_5V
- TP47 ○ ENCODER2_OUTPUT2_5V
- TP48 ○ ENCODER1_OUTPUT1
- TP49 ○ ENCODER1_OUTPUT2
- TP50 ○ ENCODER2_OUTPUT1
- TP51 ○ ENCODER2_OUTPUT2



Input has to be 5V, output has to be 3V3





Sheet: /Motor Control Board/Motor Drivers/
 File: Motor Drivers.kicad_sch

Title:

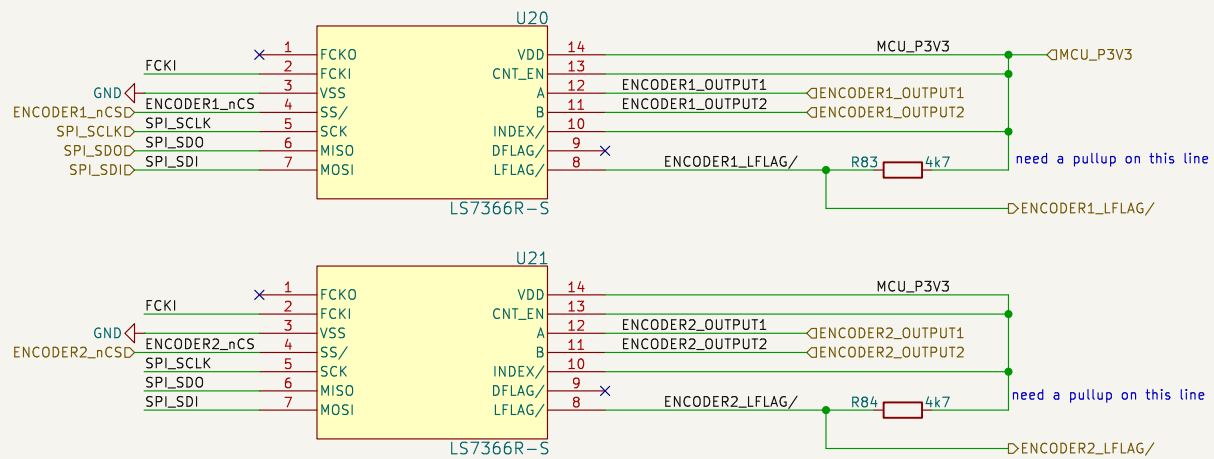
Size: A4

Date:

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Id: 9/8