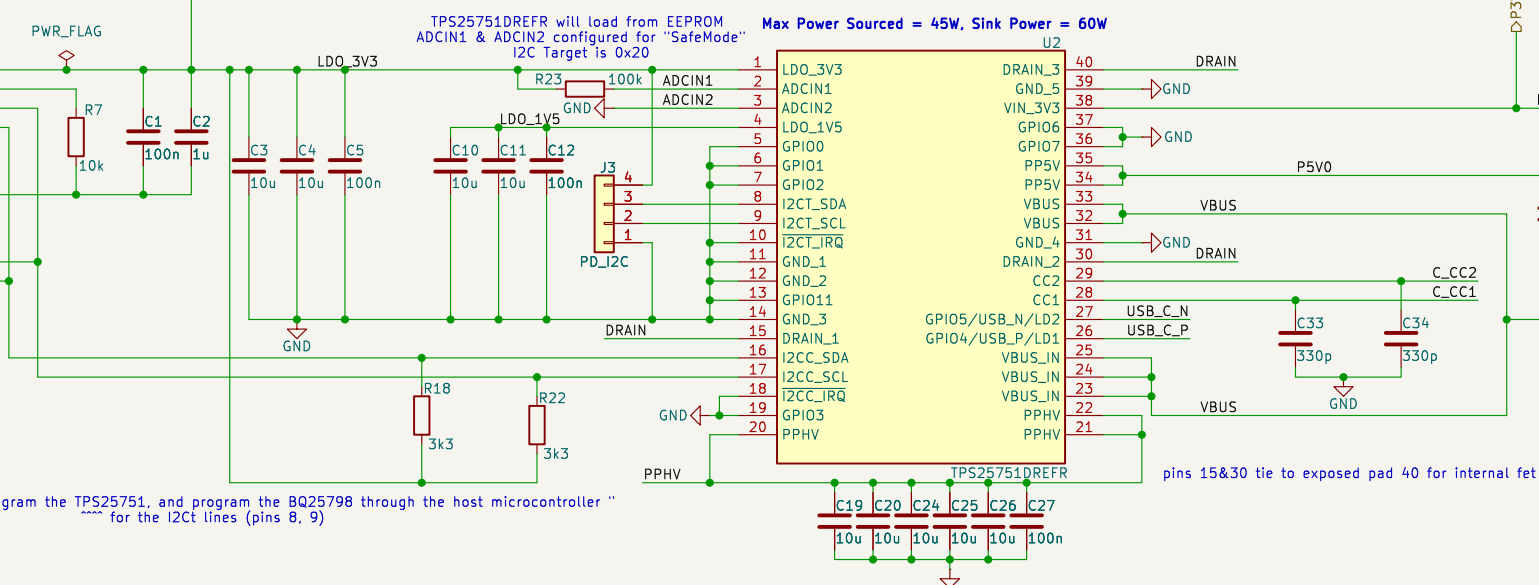
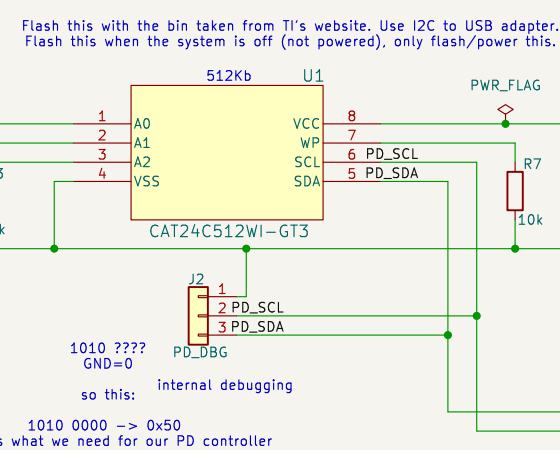
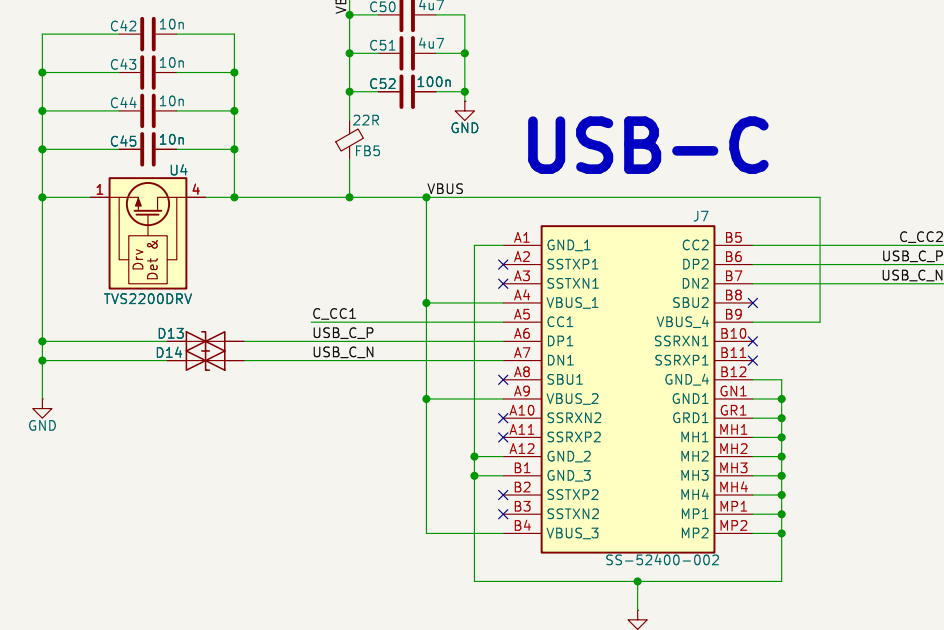
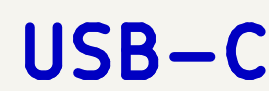
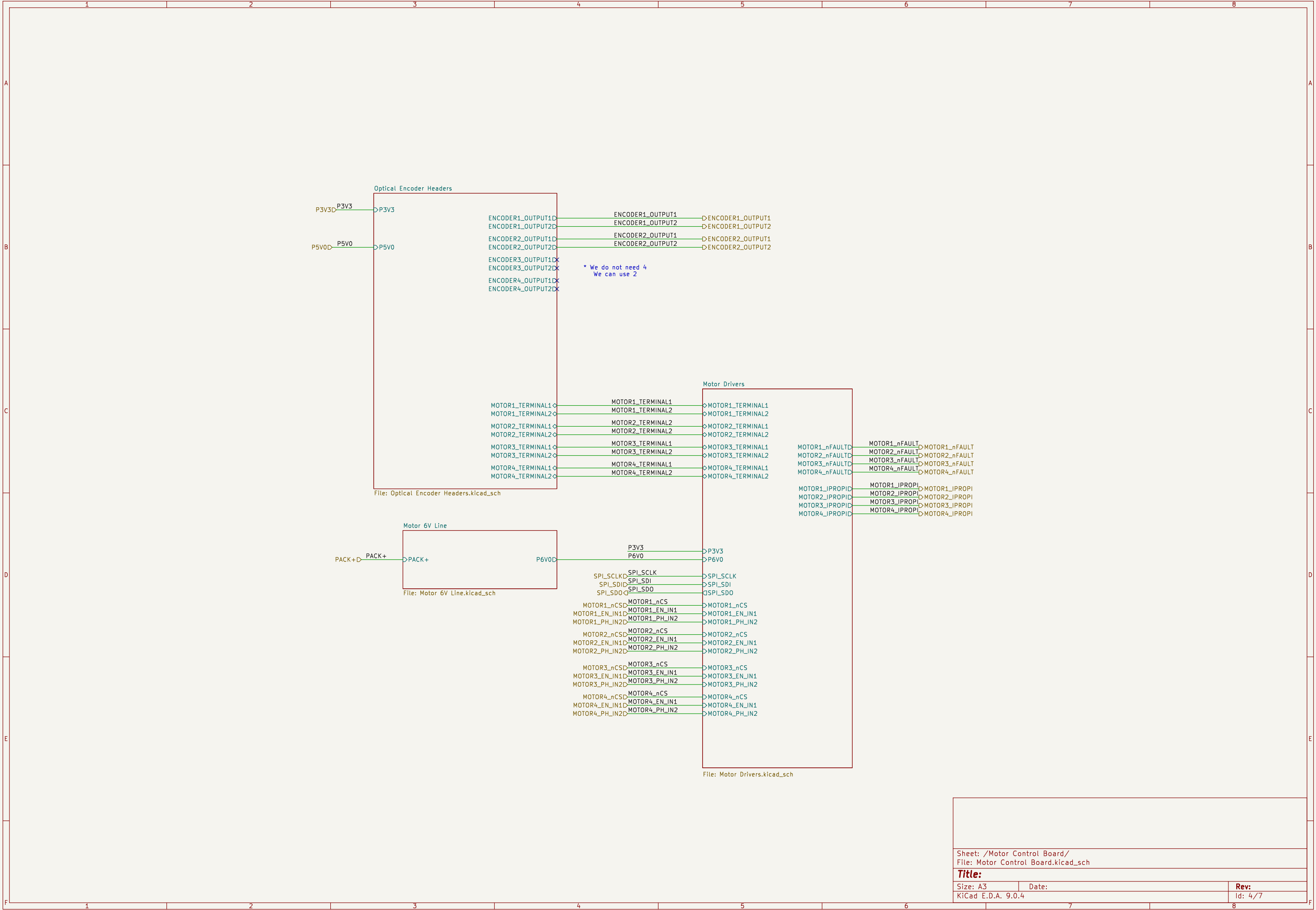
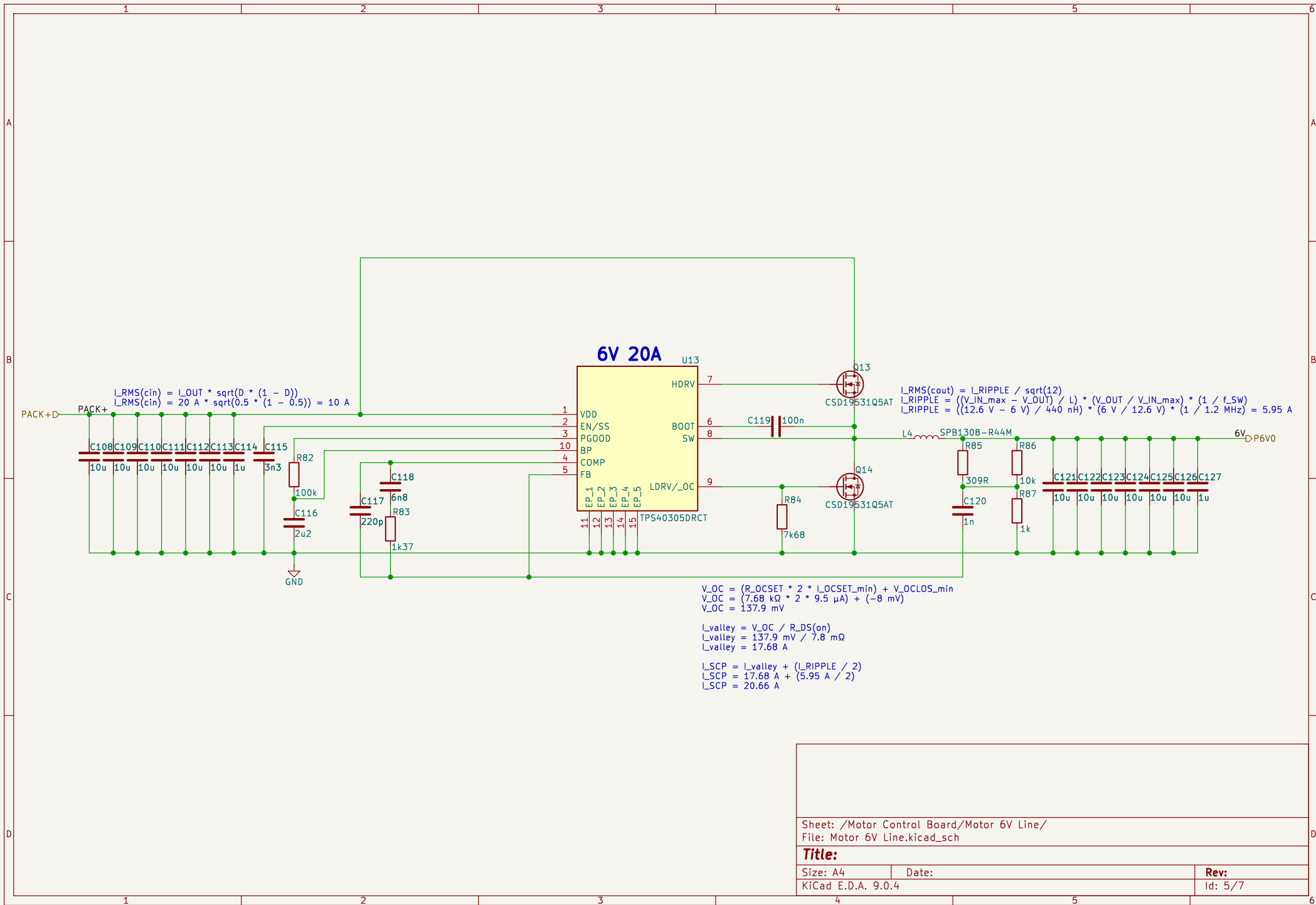


Min Each Cell set to 3.2 V, Max Each Cell set to 4.2 V

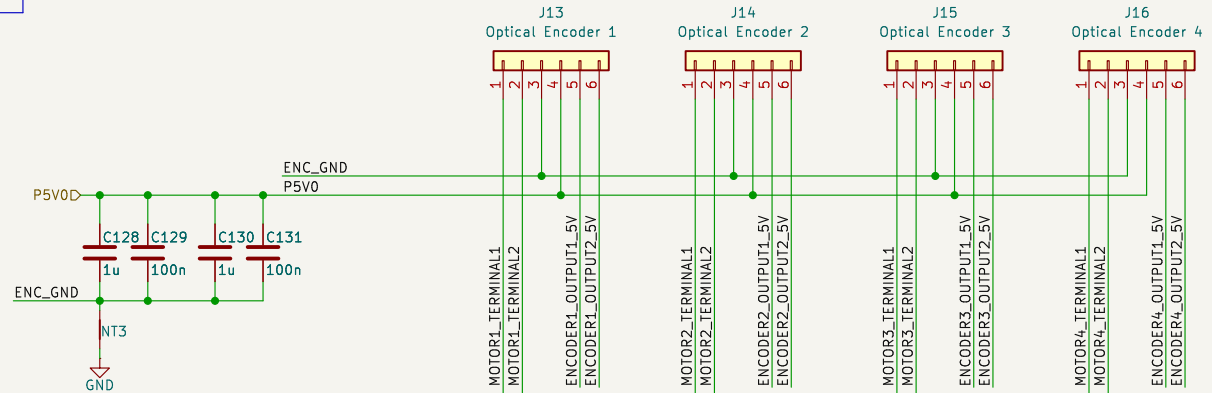




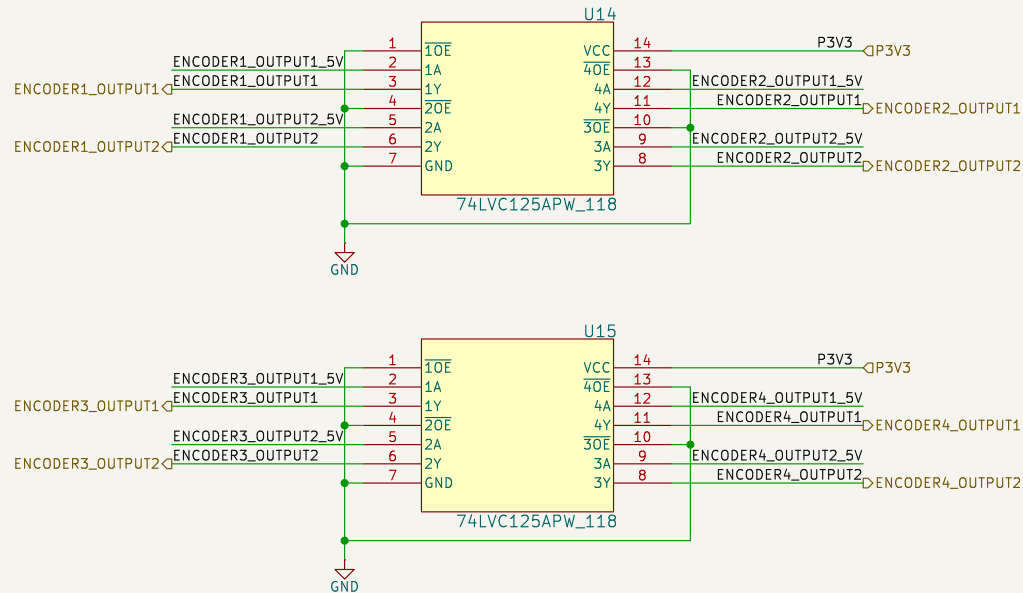


(1) Red	motor power (connects to one motor terminal)
(2) Black	motor power (connects to the other motor terminal)
(3) Green	encoder GND
(4) Blue	encoder Vcc (3.5 – 20 V)
(5) Yellow	encoder A output
(6) White	encoder B output

TP15	ENC_GND
TP16	MOTOR1_TERMINAL1
TP17	MOTOR1_TERMINAL2
TP18	ENCODER1_OUTPUT1_5V
TP19	ENCODER1_OUTPUT2_5V
TP20	MOTOR2_TERMINAL1
TP21	MOTOR2_TERMINAL2
TP22	ENCODER2_OUTPUT1_5V
TP23	ENCODER2_OUTPUT2_5V
TP24	ENCODER1_OUTPUT1
TP25	ENCODER1_OUTPUT2
TP26	ENCODER2_OUTPUT1
TP27	ENCODER2_OUTPUT2



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



Sheet: /Motor Control Board/Optical Encoder Headers/
File: Optical Encoder Headers.kicad_sch

Title:

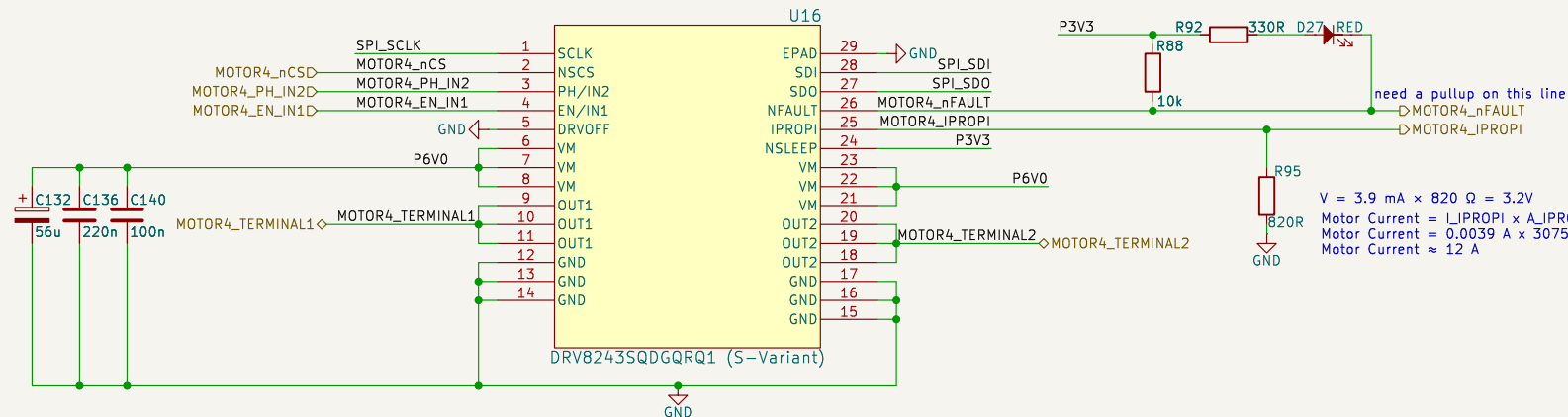
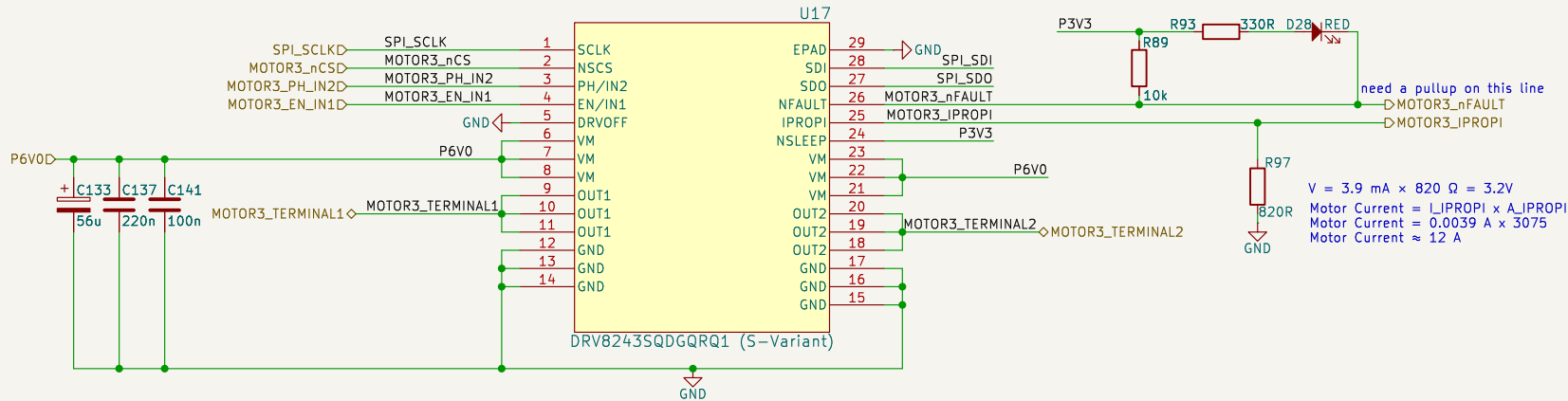
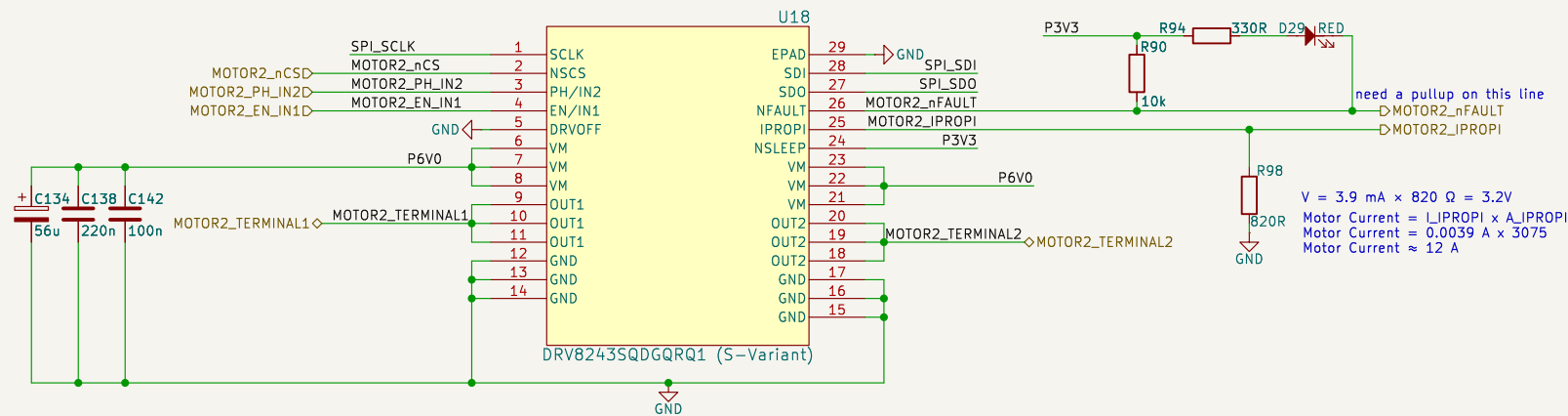
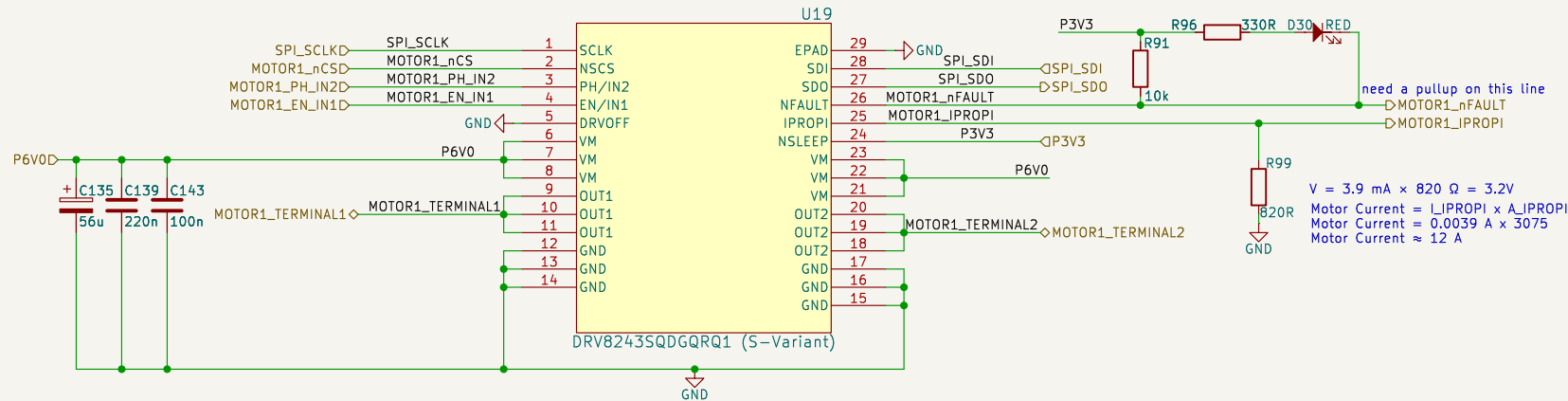
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Date:

KiCad E.D.A. 9.0.4

Rev:

Id: 6/7



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

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Date:

Rev:

KiCad E.D.A. 9.0.4

Id: 7/7