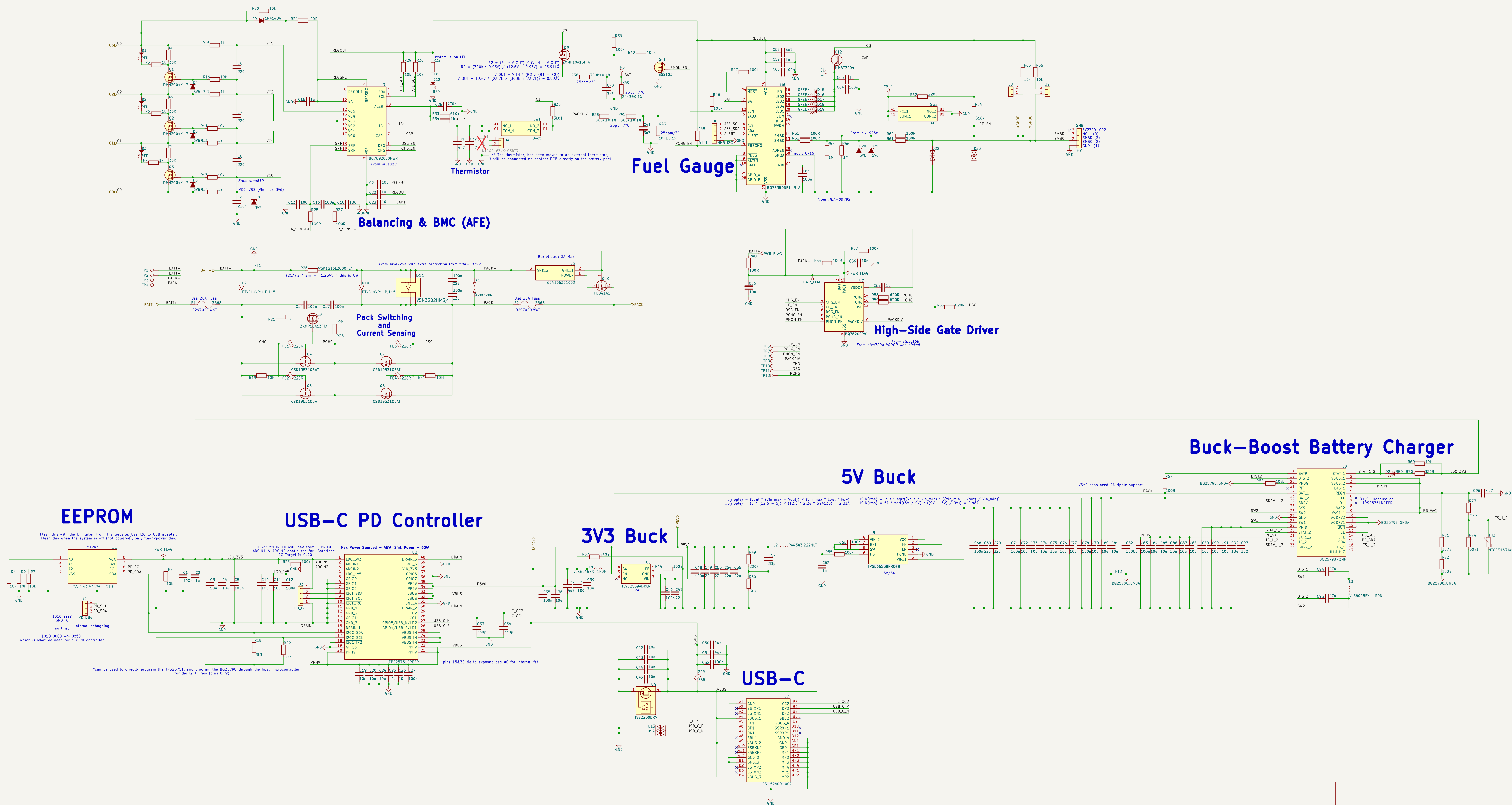
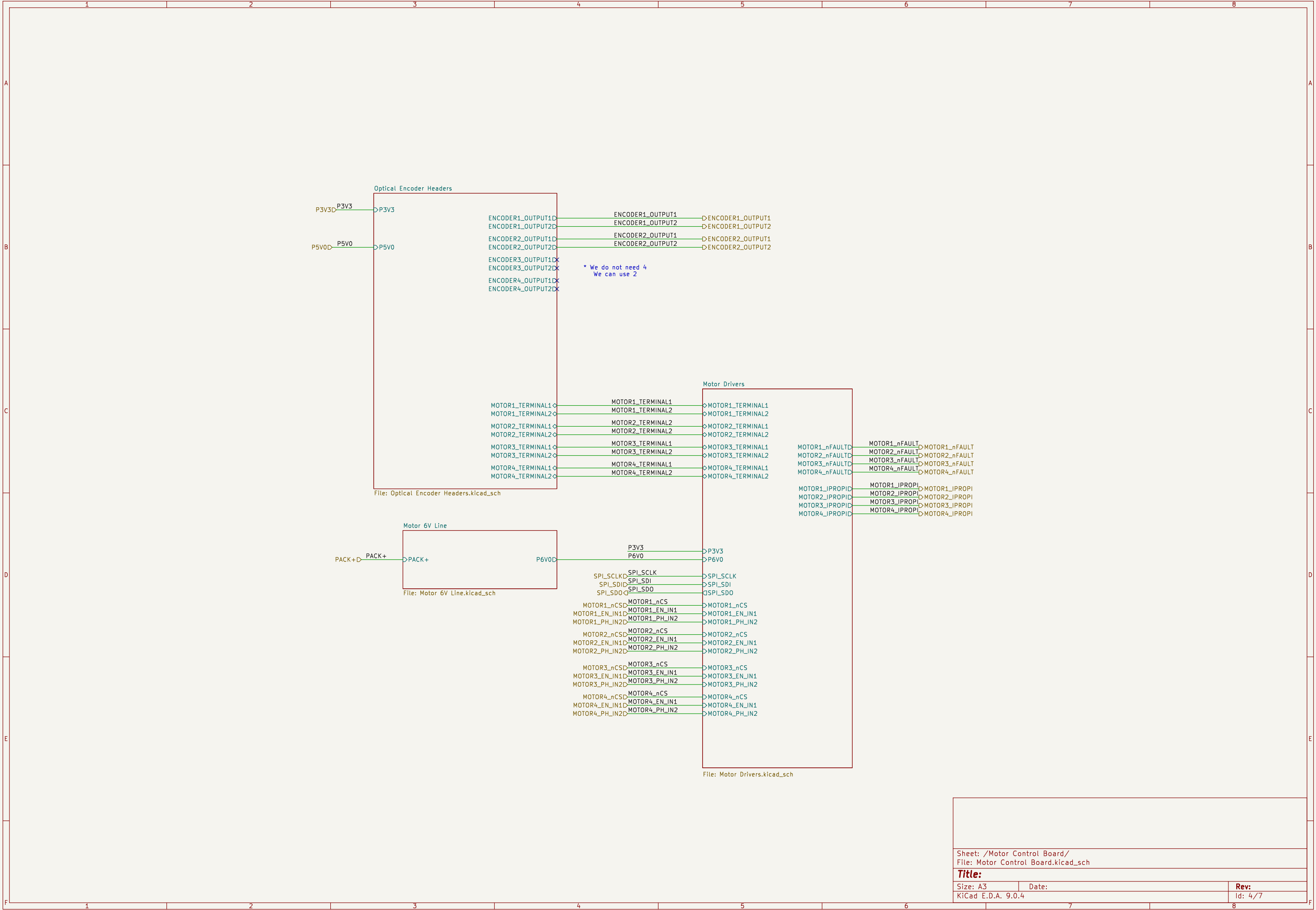
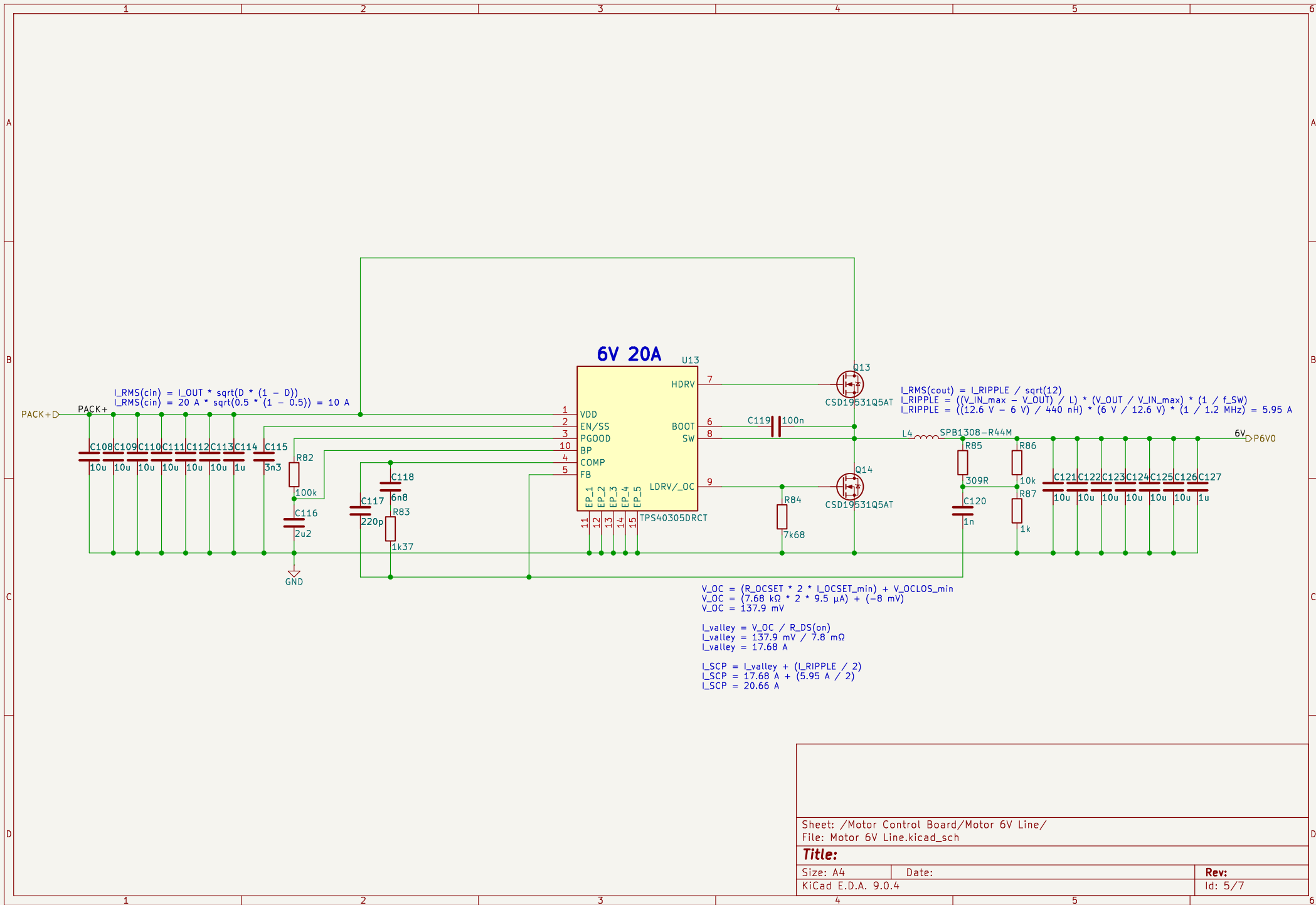


BMS Protection Board for 3S Battery Pack
In/Out: min voltage: 9.6 V, nominal voltage: 11.1 V, max voltage: 12.6 V
Output: 20A continuous discharge current
Min Each Cell set to 3.2 V, Max Each Cell set to 4.2 V

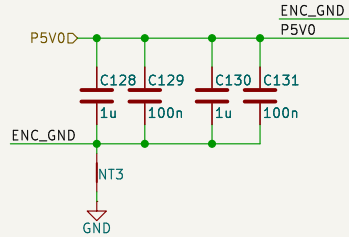




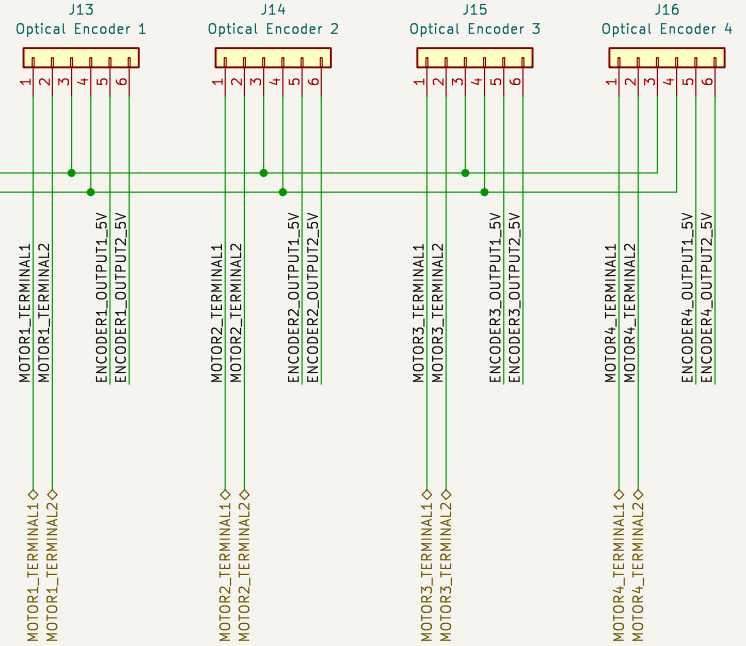
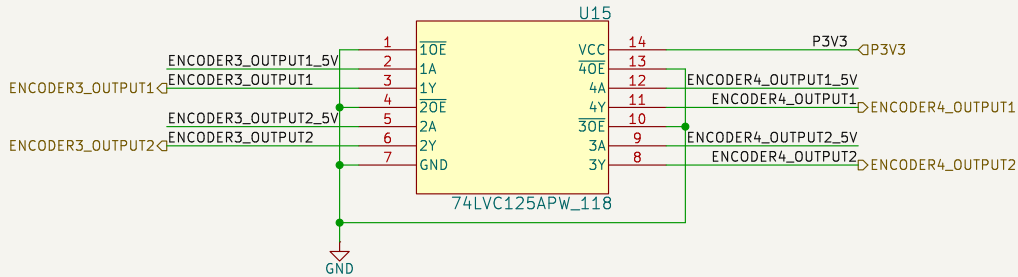
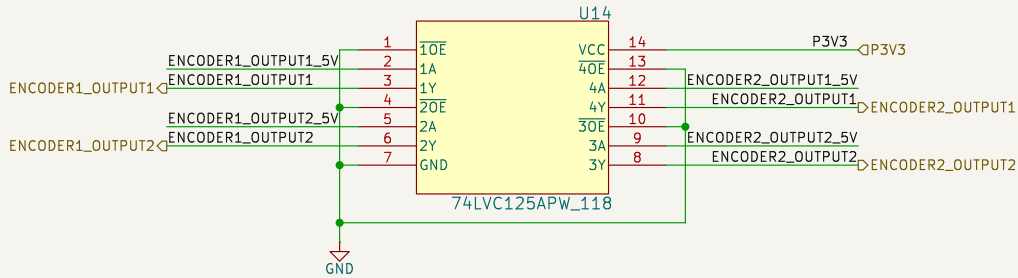


(1) Red	motor power (connects to one motor terminal)
(2) Black	motor power (connects to the other motor terminal)
(3) Green	encoder GND
(4) Blue	encoder Vcc (3.5 – 20 V)
(5) Yellow	encoder A output
(6) White	encoder B output

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:

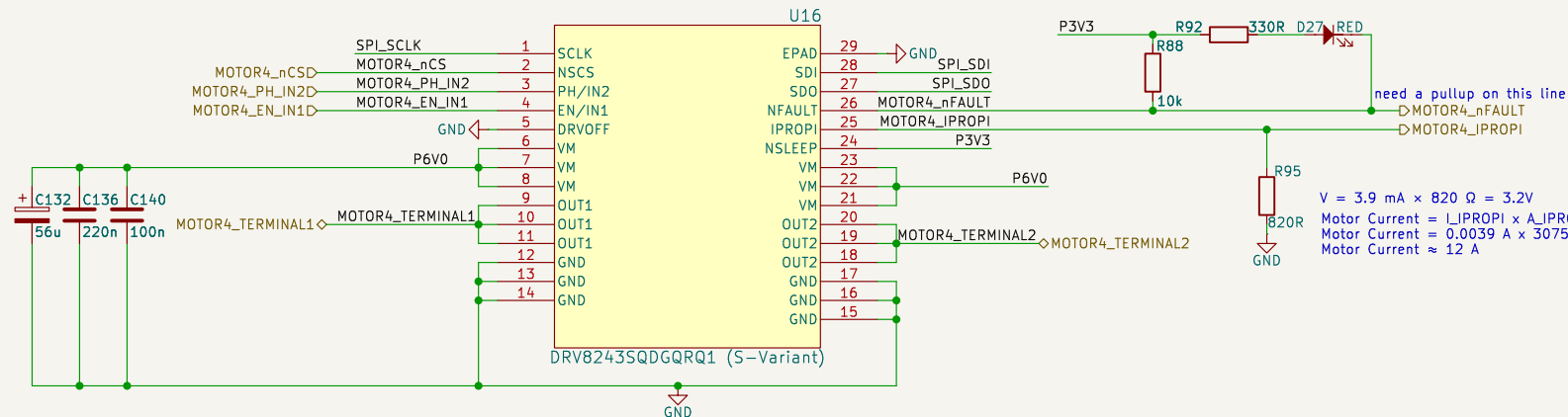
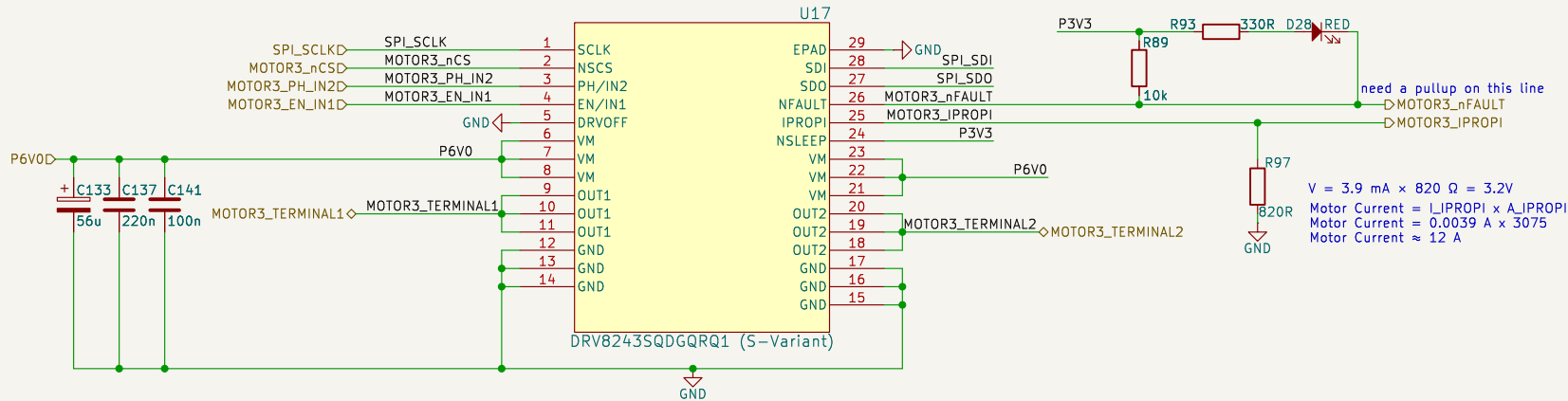
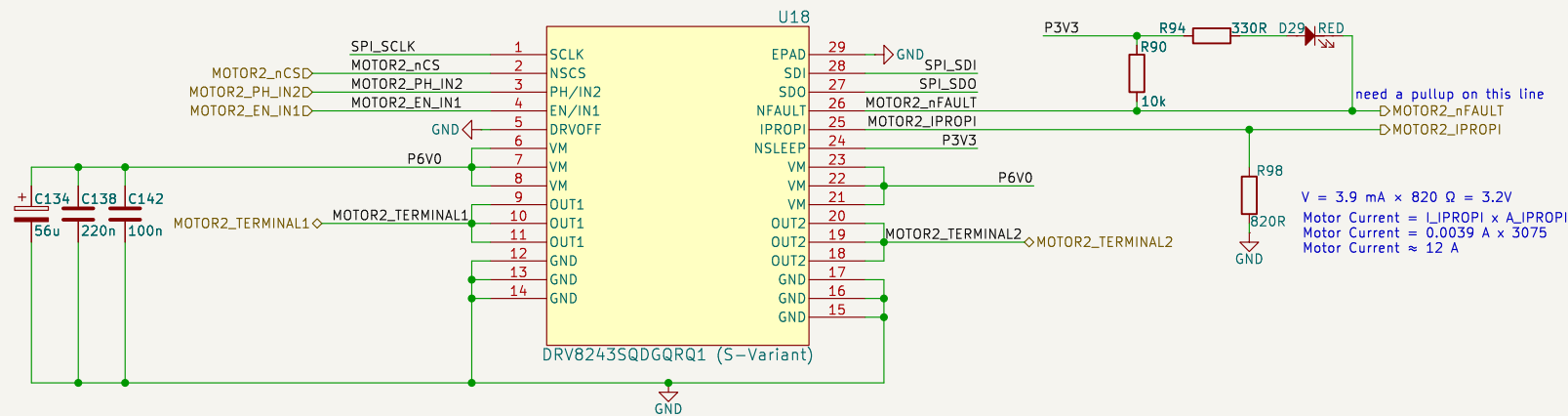
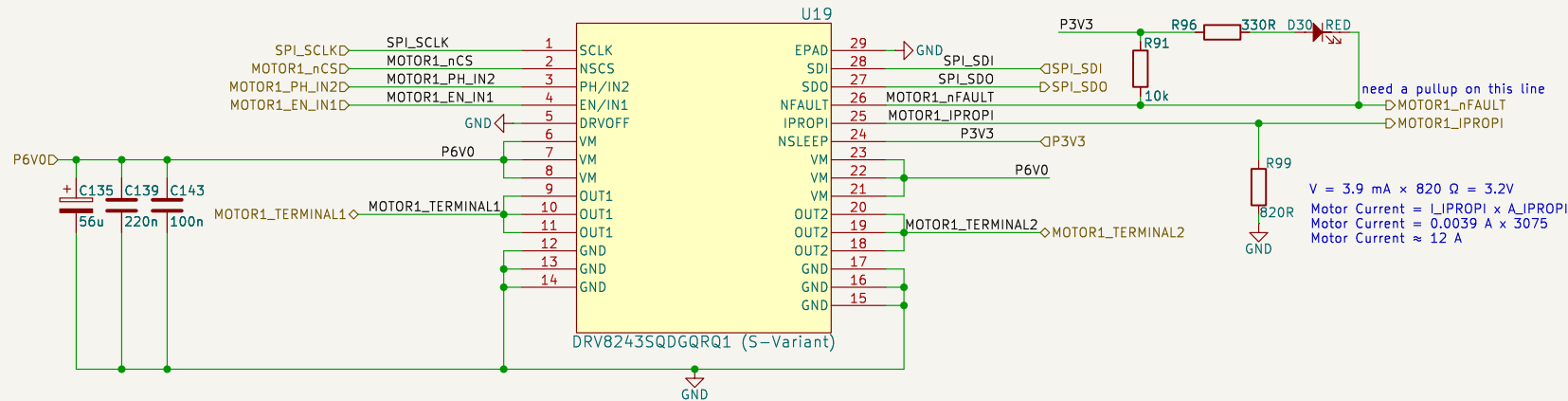
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