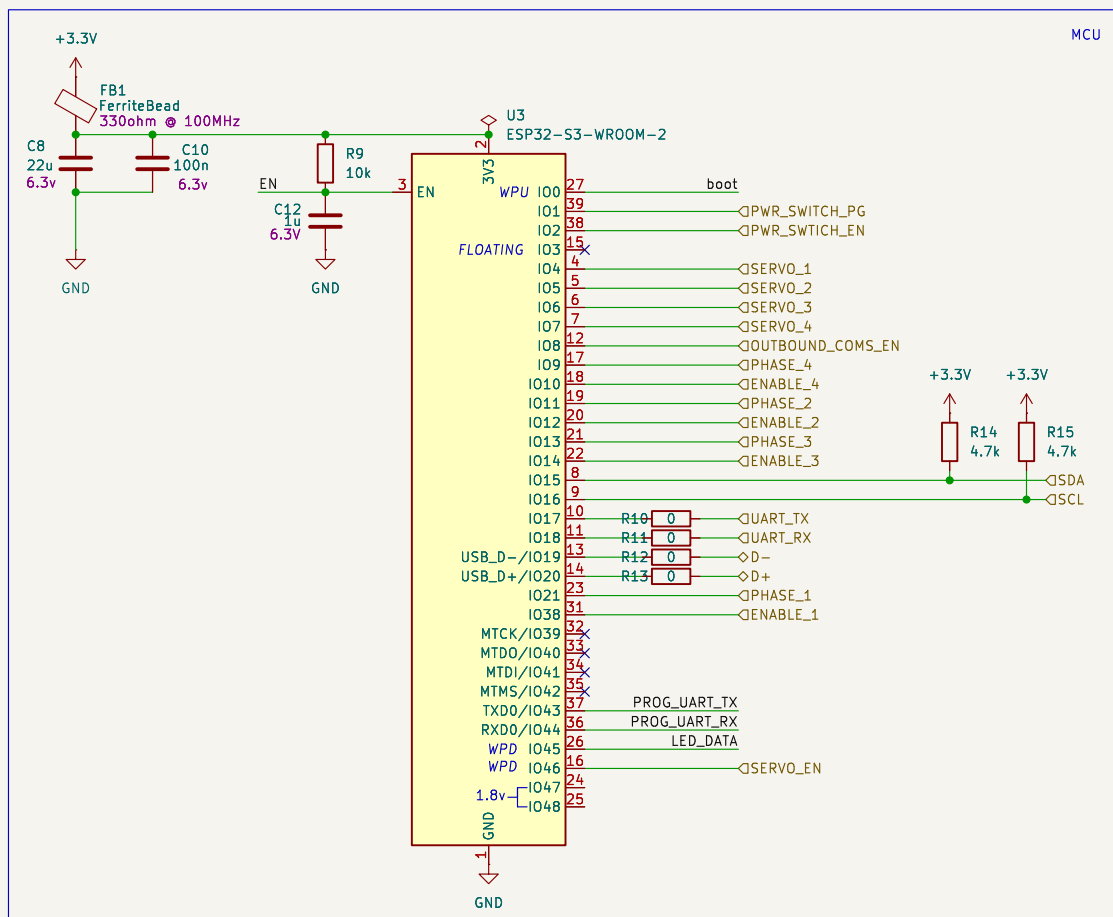
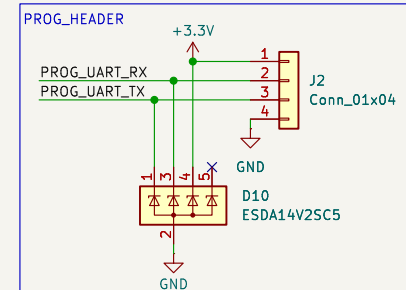
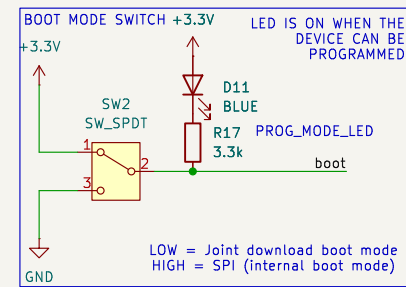
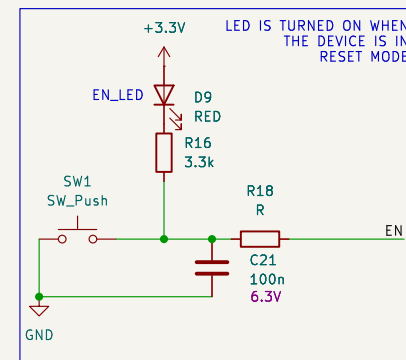
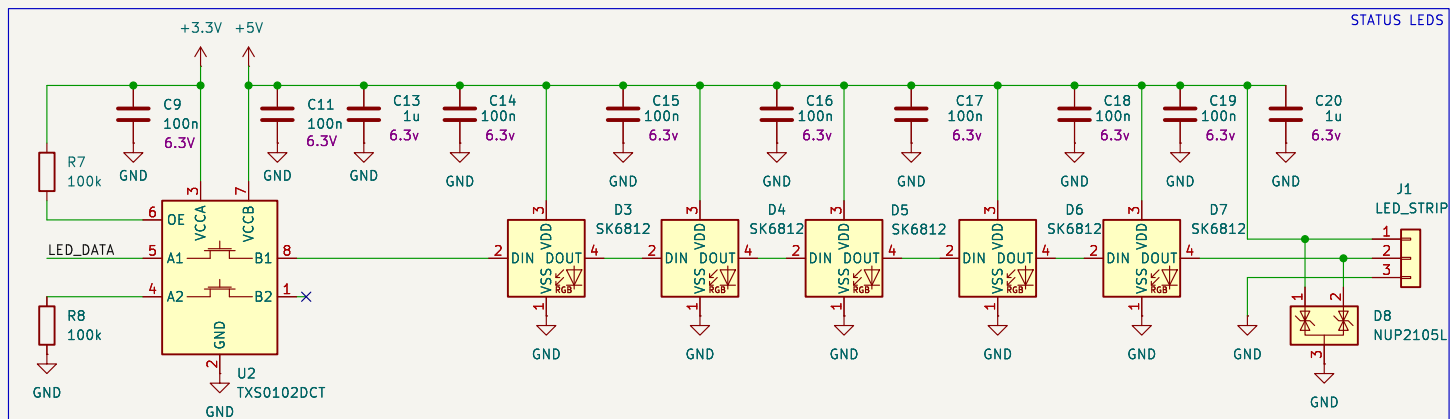


VREF should be 2V if shunt is 5mOhm and we want a 20A max.

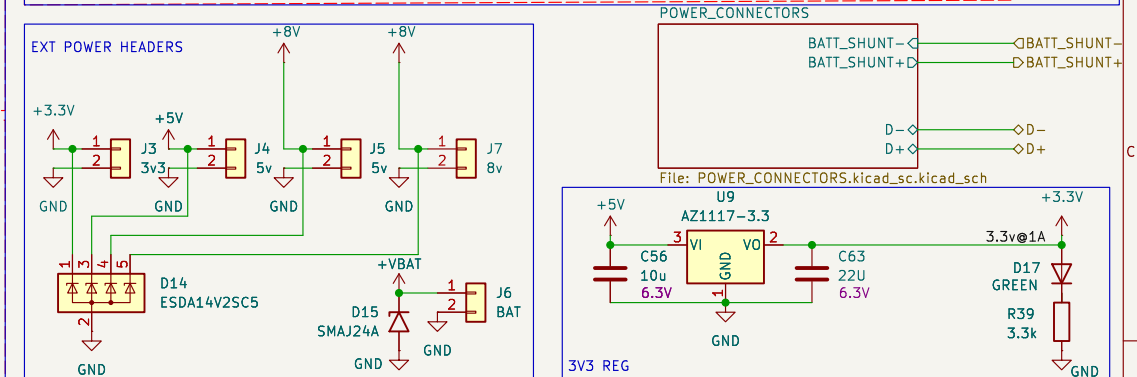
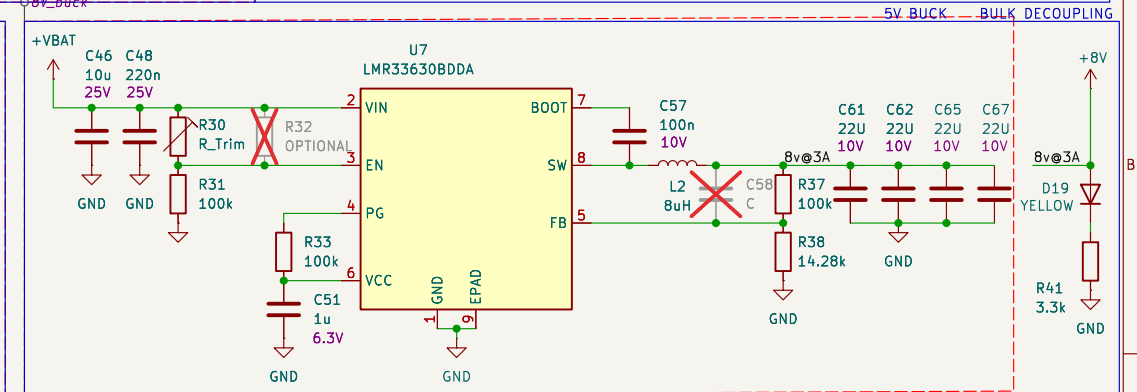
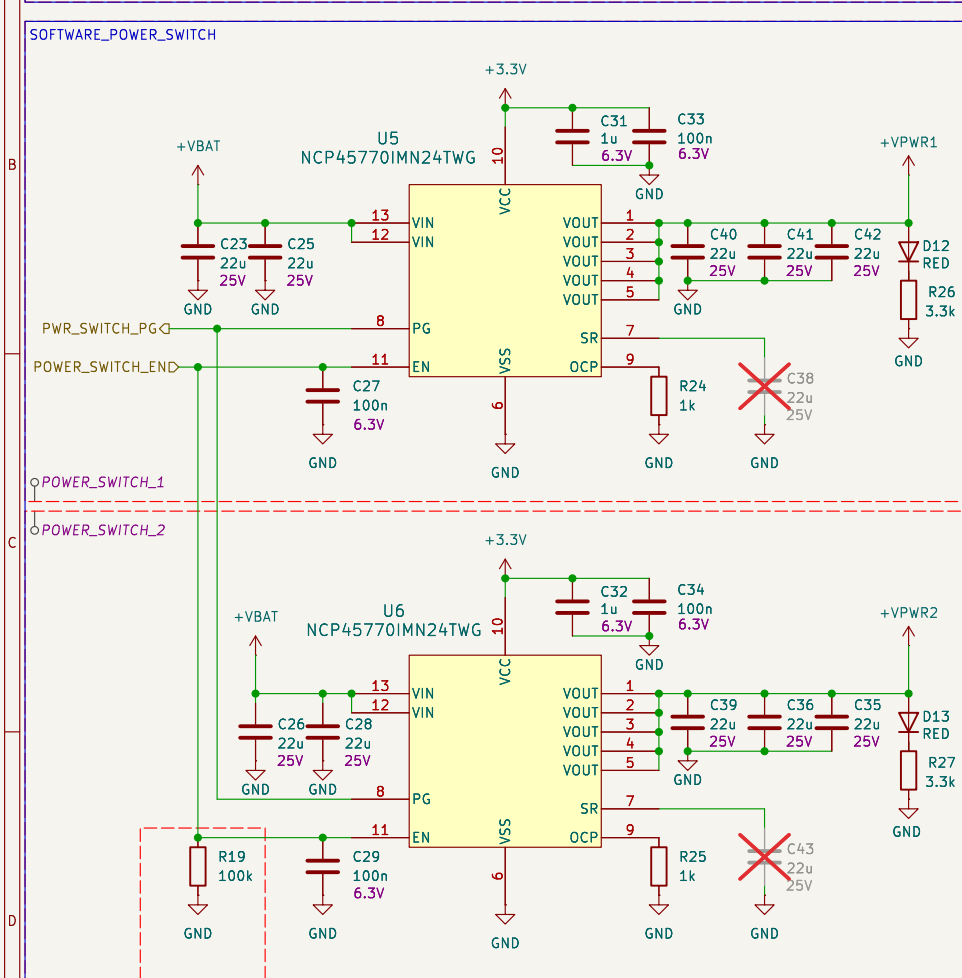
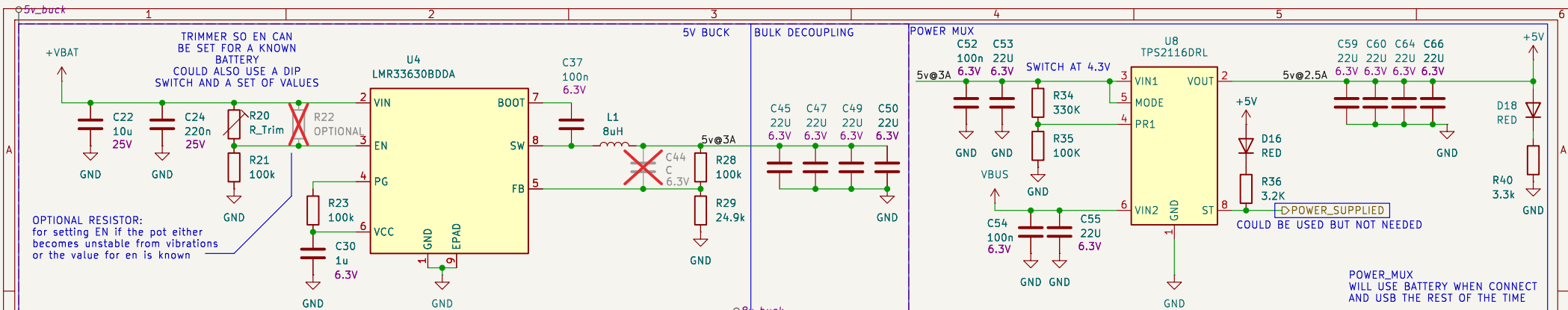
I Drive dictates the current to the gate of mosfet, NC means 150ma source and 300ma sink.

Sheet: /MOTOR_DRIVER2/
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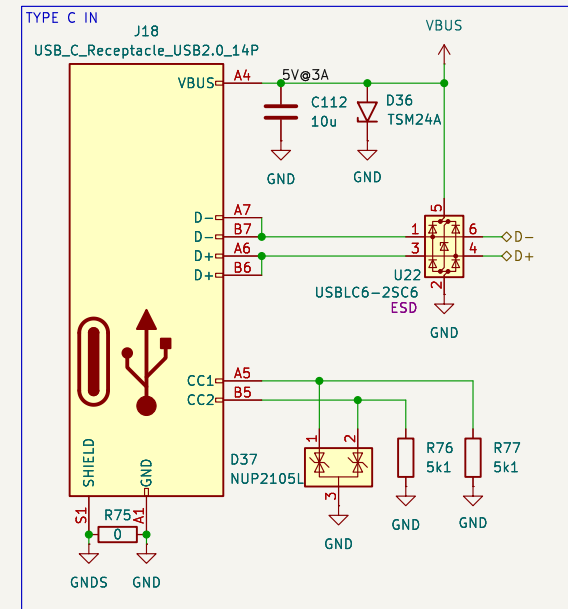
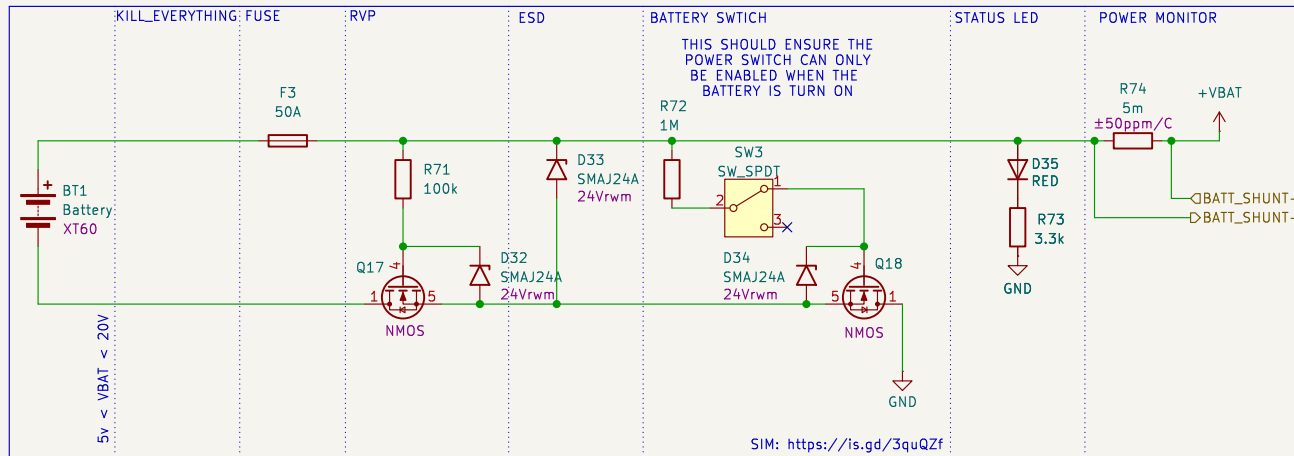


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THE REASON FOR THE POWER_MUX IS PR1 WILL SWITCH @ 1V USB VOLTAGE IS A MIN OF 4.5V IF PASSED THROUGH AN OR-ING DIODE THEN IT WILL DROP IT ENOUGH TO NOT CLEAR THE 4.3V MIN REQUIRED BY THE AZ1117-3.3

PR1 WILL SWITCH @ 1V VOLTAGE DIV WILL SWAP TO VIN2 WHEN VIN1 REACHES 4.3V THE POINT WHERE THE 3.3V REG WILL DROP TOO MUCH VOLTAGE HOWEVER IT IS SUGGESTED THESE ARE REMOVED ONCE TESTING IS DONE



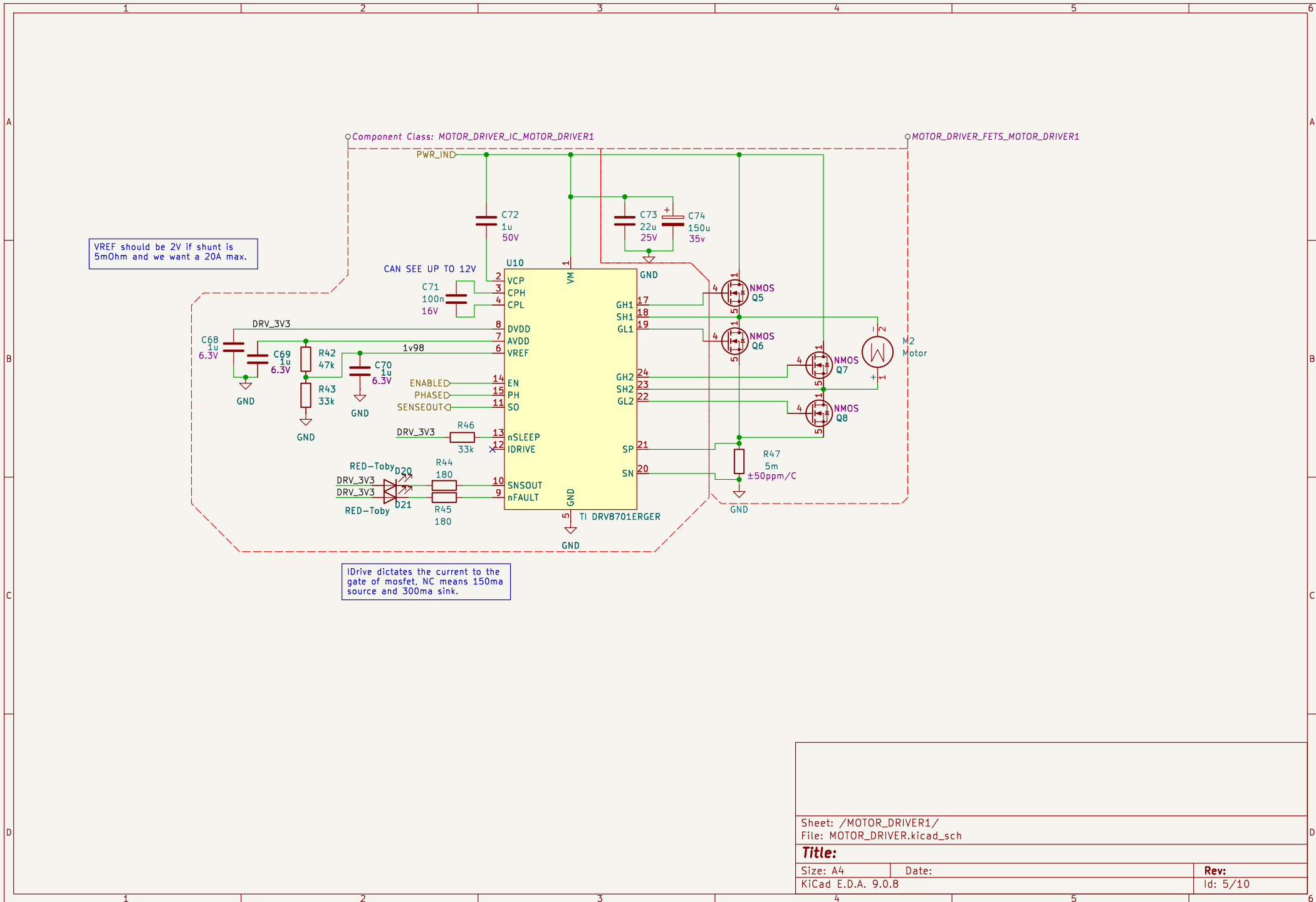
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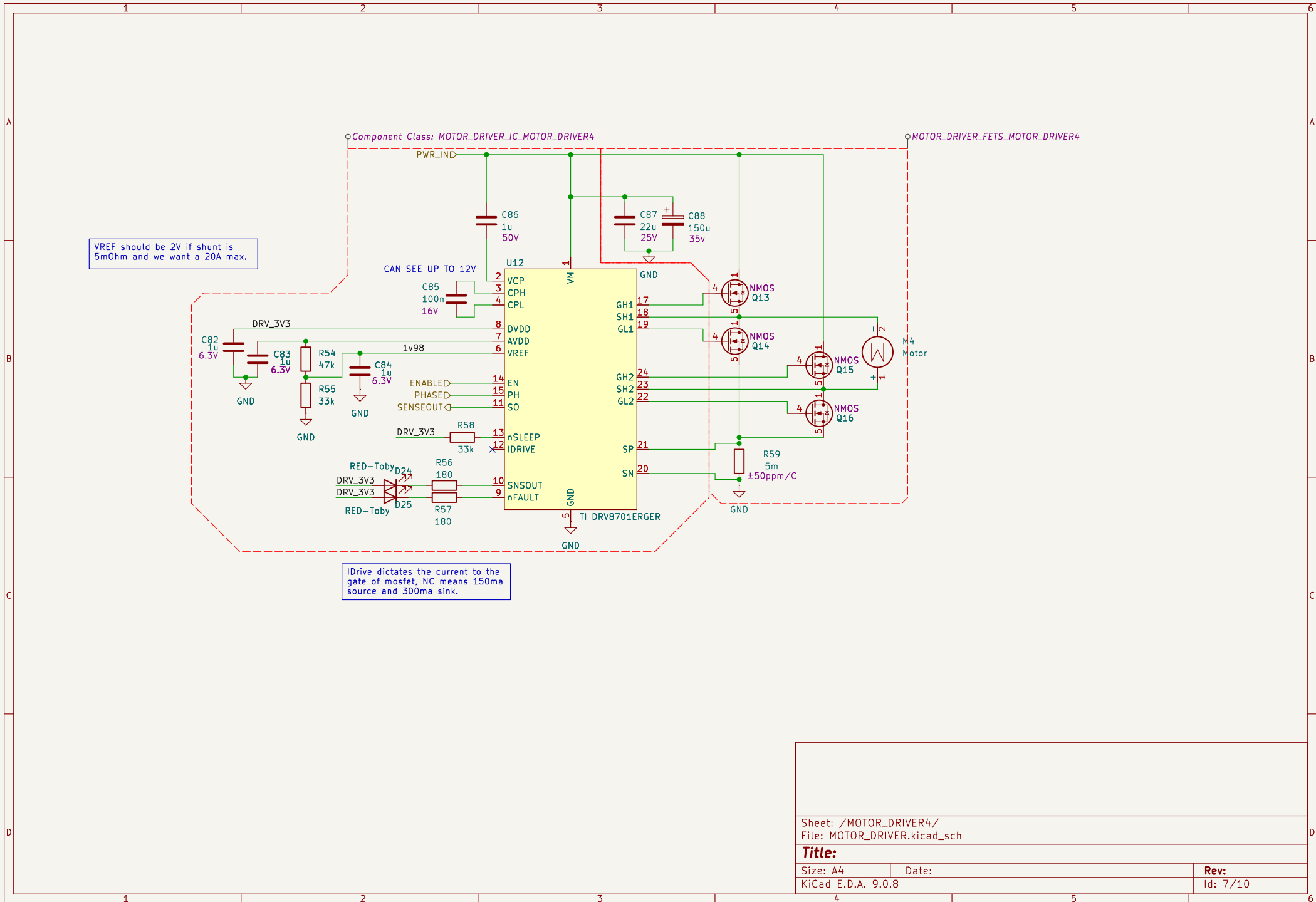
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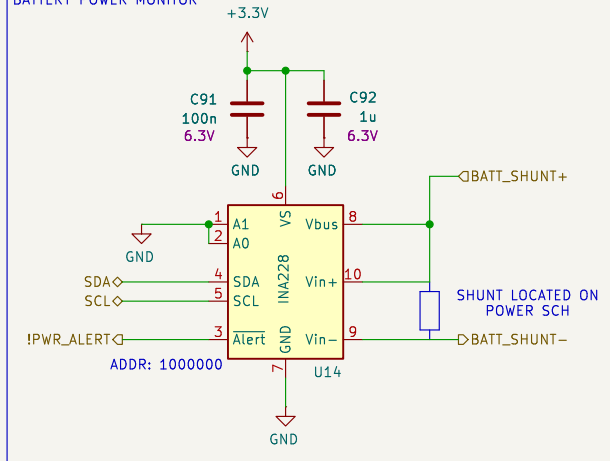
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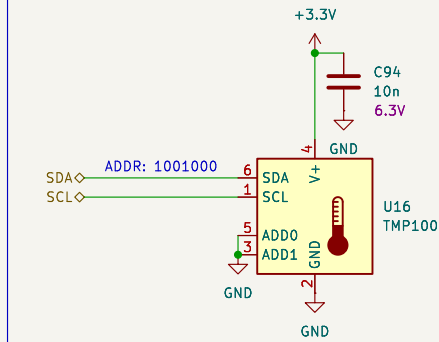
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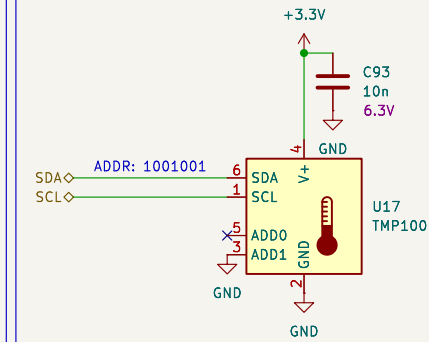
BATTERY POWER MONITOR



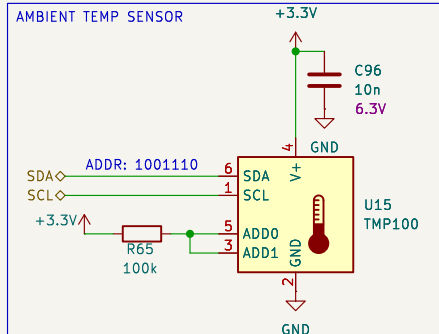
MOTOR DRIVER MOSFET TEMP MEASUREMENT SENSOR



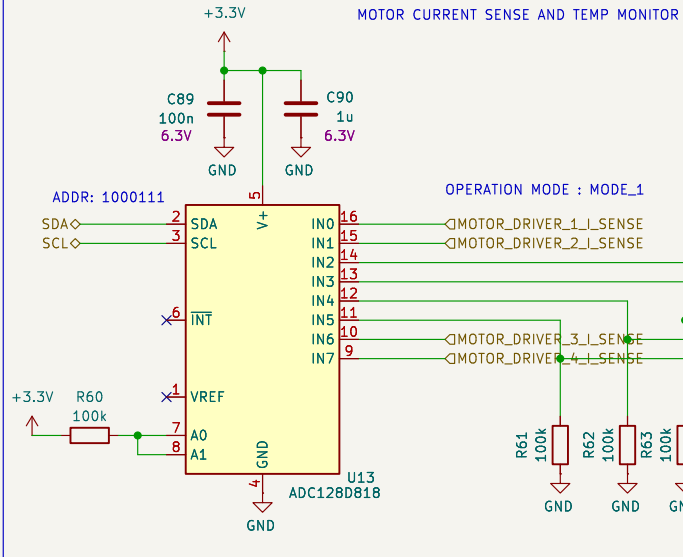
POWER MUX TEMP SENSOR



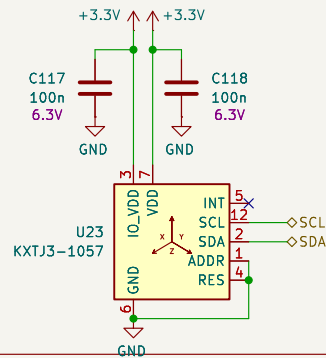
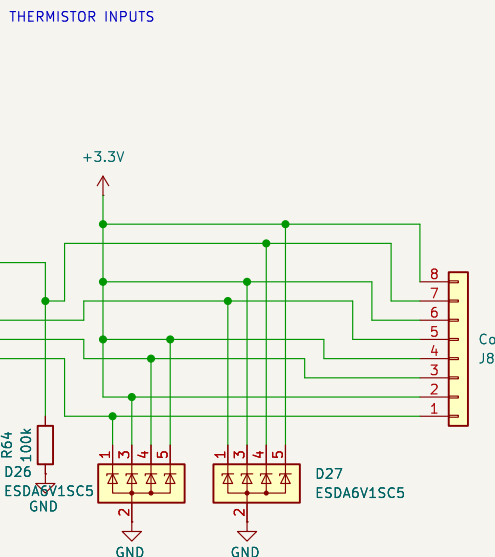
AMBIENT TEMP SENSOR



MOTOR CURRENT SENSE AND TEMP MONITOR



THERMISTOR INPUTS



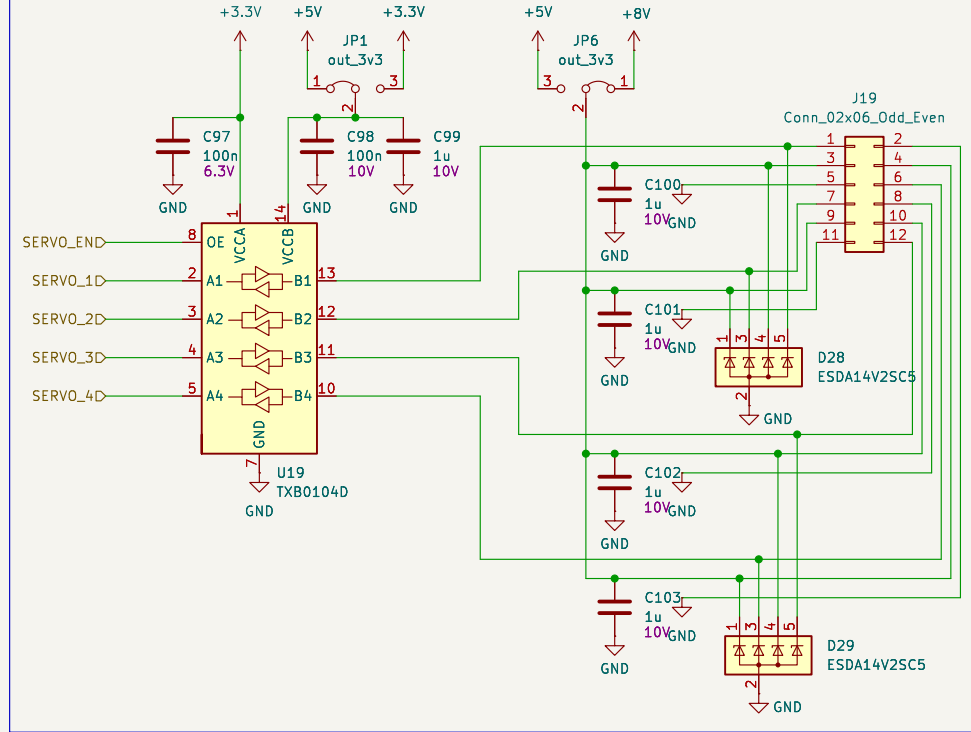
Conn_01x08 J8

points to measure temp:
software controlled power switch
power mux
motor drivers

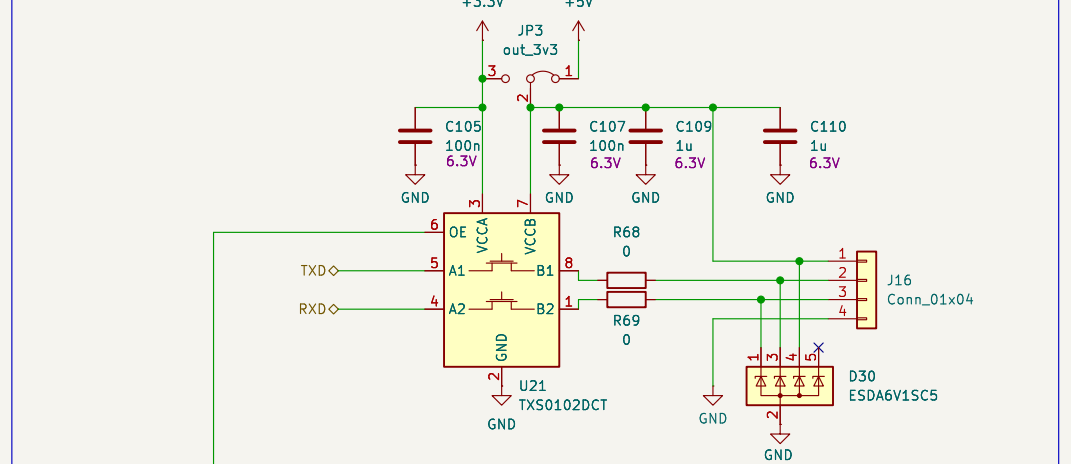
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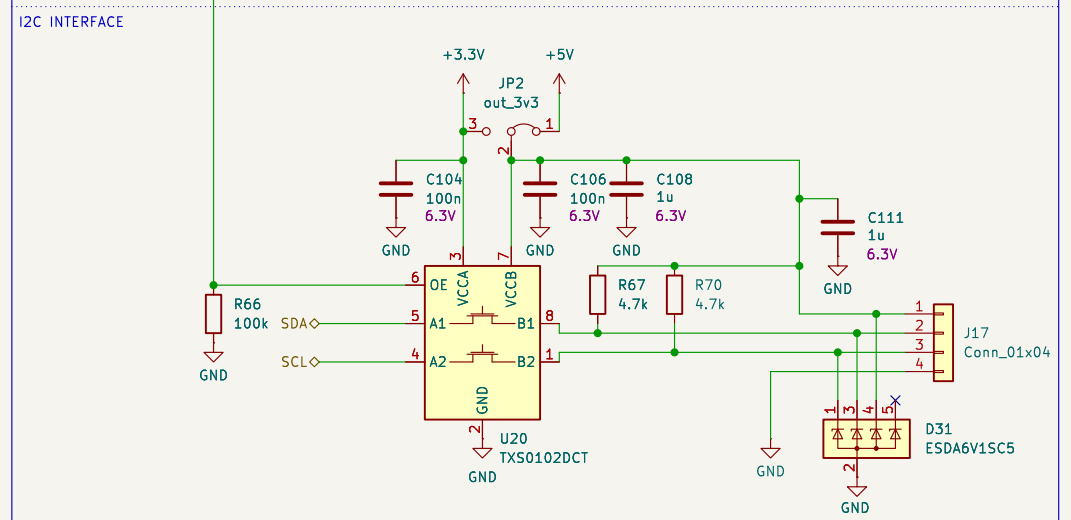
SERVO INTERFACE



UART INTERFACE



I2C INTERFACE



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