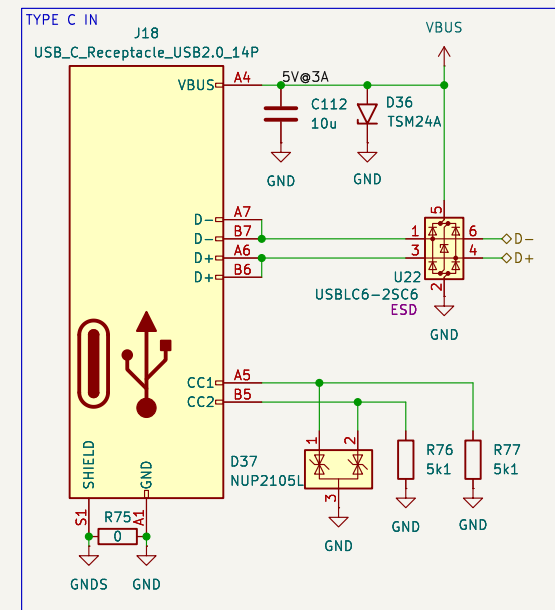
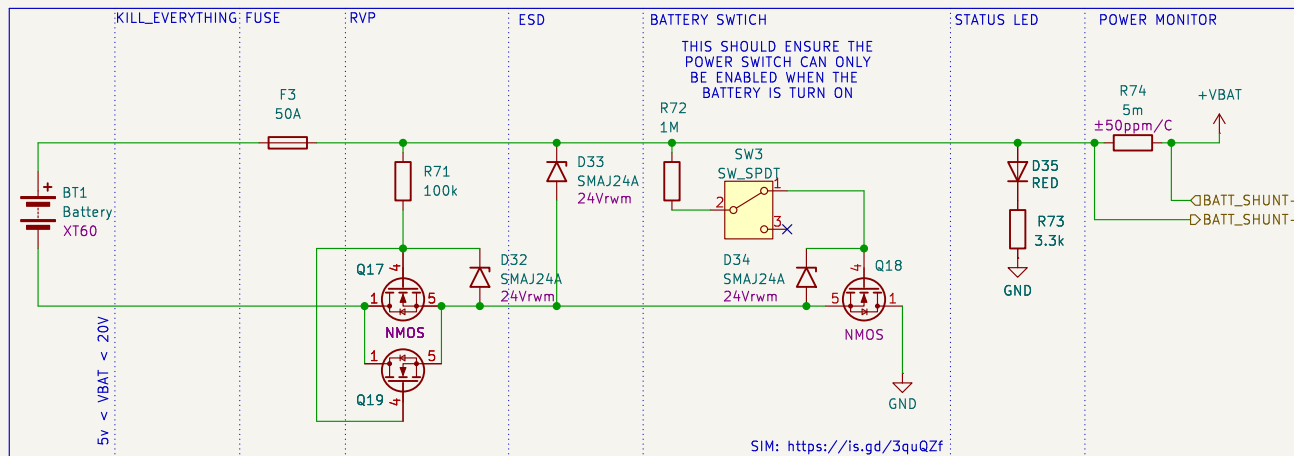


THE REASON FOR THE POWER MUX IS PR1 WILL SWITCH @ 1V USB VOLTAGE IS A MIN OF 4.5V IF PASSED THROUGH AN OR-ING DIODE THEN IT WILL DROP IT ENOUGH TO NOT CLEAR THE 4.3V MIN REQUIRED BY THE AZ1117-3.3

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



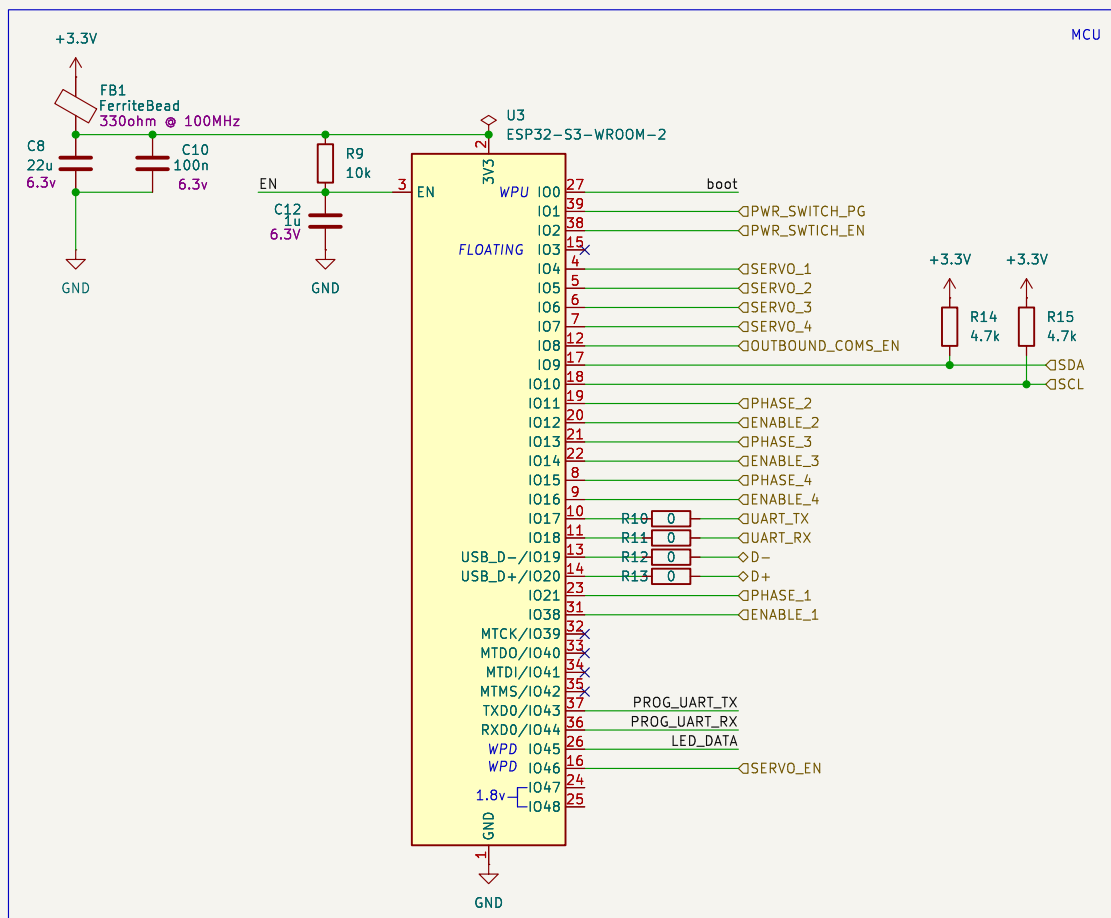
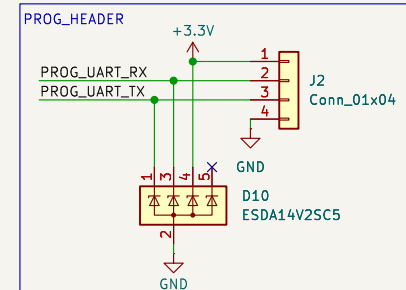
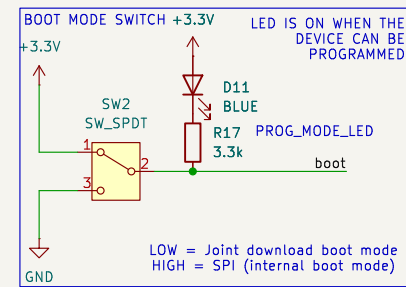
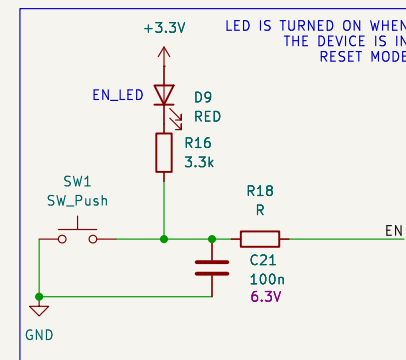
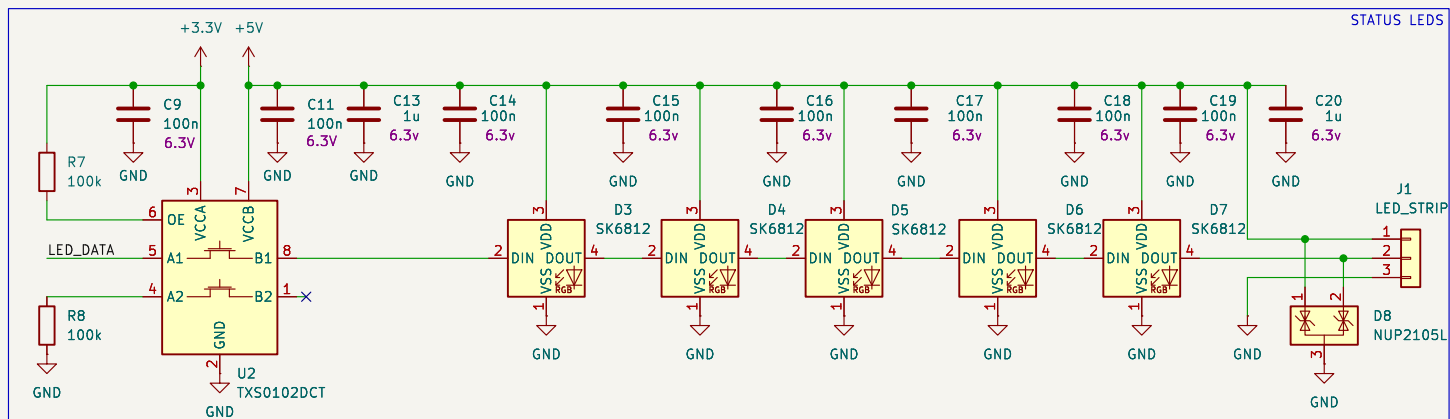
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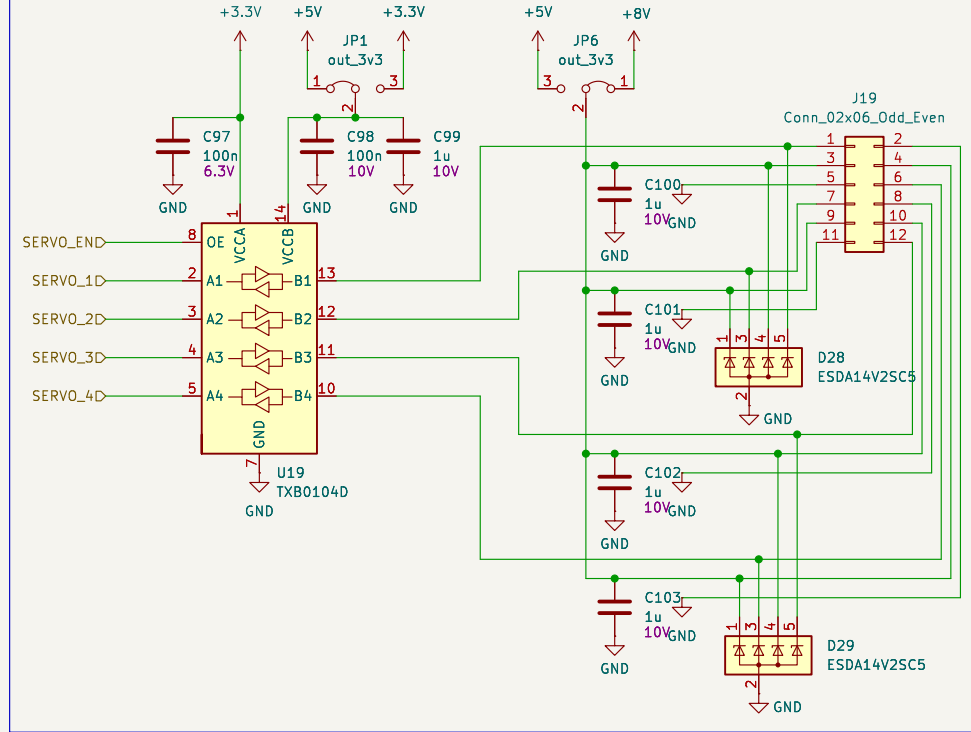
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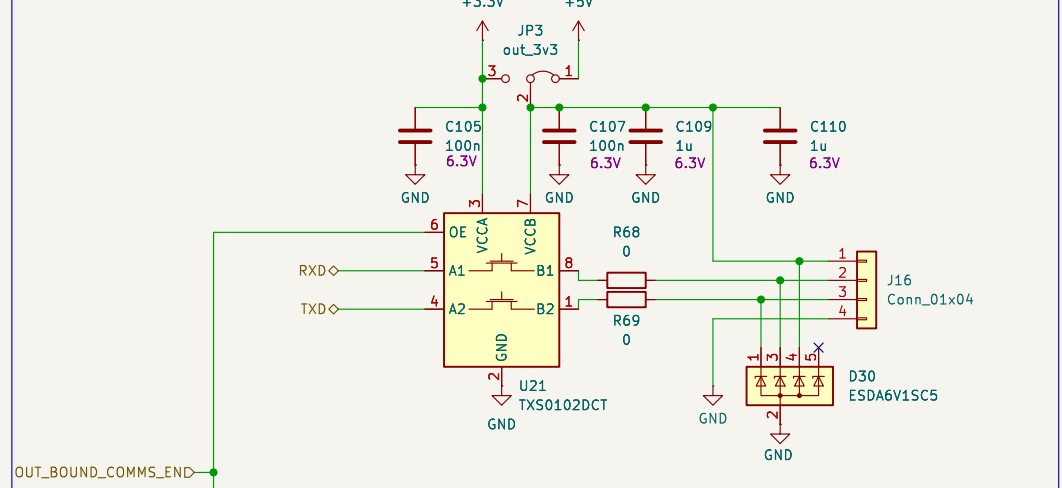


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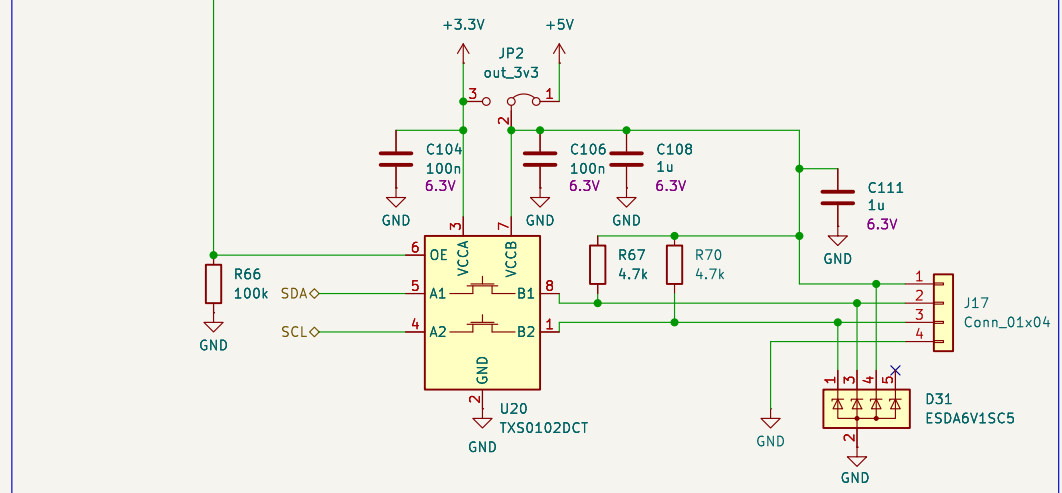
SERVO INTERFACE



UART INTERFACE



I2C INTERFACE



Sheet: /EXTERNAL\_INTERFACING\_DEVICES/  
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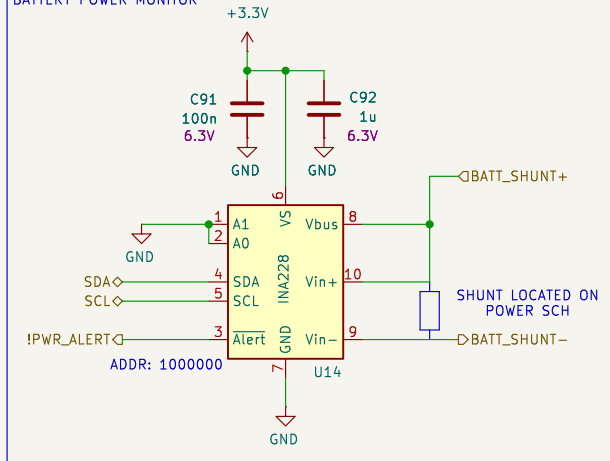
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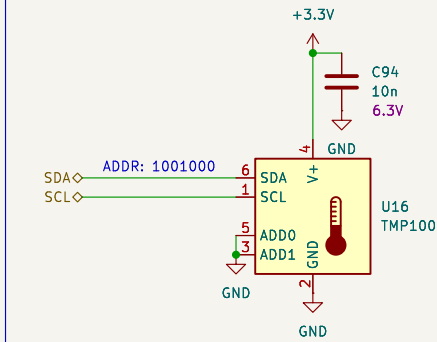
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Id: 9/10

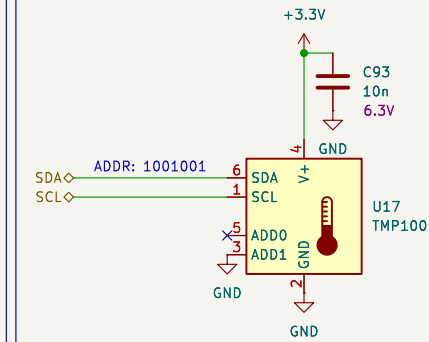
BATTERY POWER MONITOR



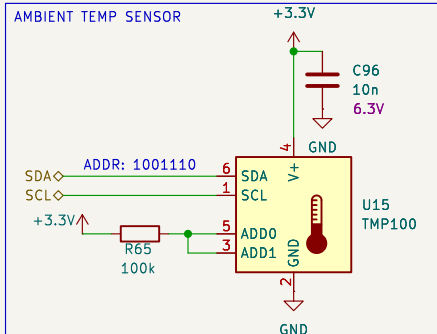
MOTOR DRIVER MOSFET TEMP MEASUREMENT SENSOR



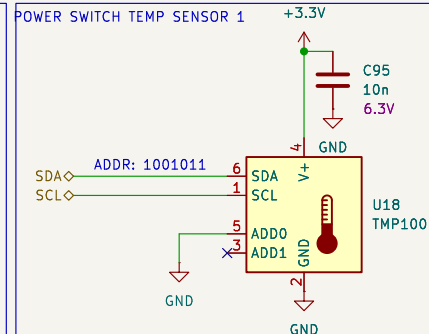
POWER MUX TEMP SENSOR



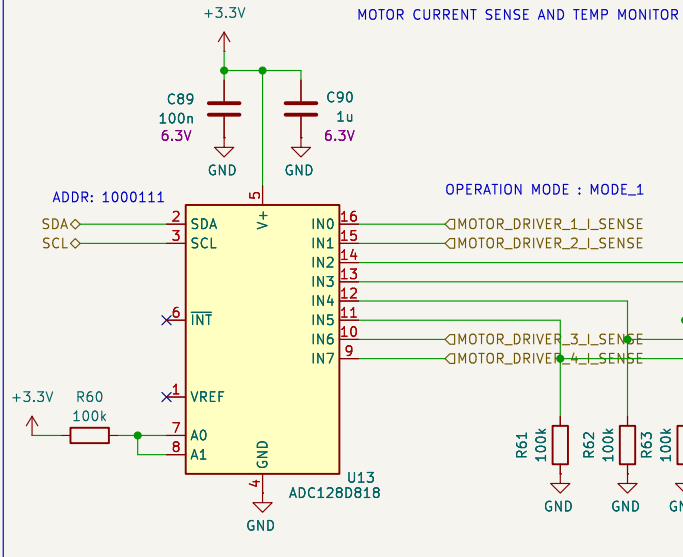
AMBIENT TEMP SENSOR



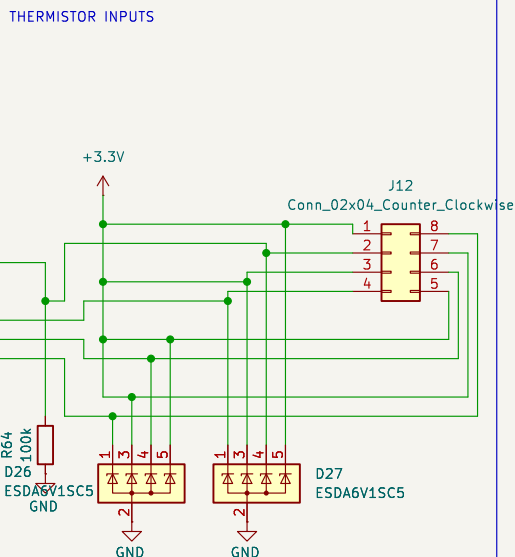
POWER SWITCH TEMP SENSOR 1



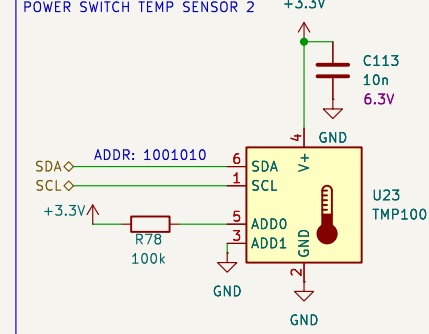
MOTOR CURRENT SENSE AND TEMP MONITOR



THERMISTOR INPUTS



POWER SWITCH TEMP SENSOR 2



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

Sheet: /BOARD\_STAT\_MESUREMENT/  
File: BOARD\_STAT\_MESUREMENT.kicad\_sch

<b>Title:</b>		<b>Rev:</b>	
Size: A4	Date:		
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