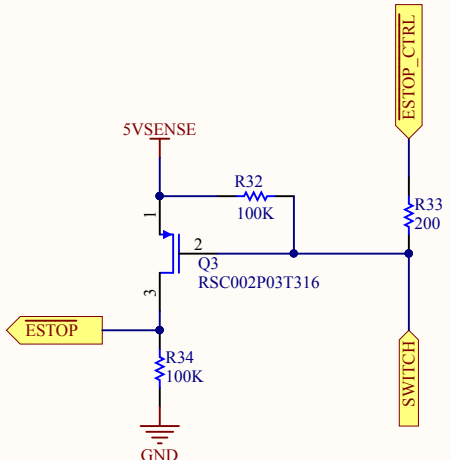


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Date: 7/1/2016	Time: 15:15:00	Sheet 1 of 8
File: C:\Users\Public\Documents\Altium\lilred management board.SchDoc		

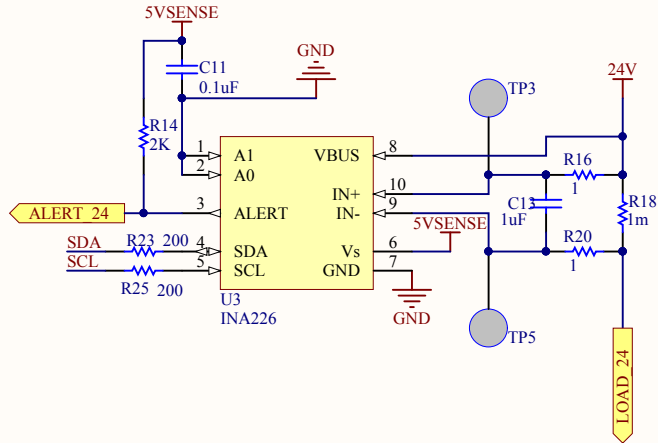
Carnegie Mellon
THE ROBOTICS INSTITUTE

Estop Circuitry

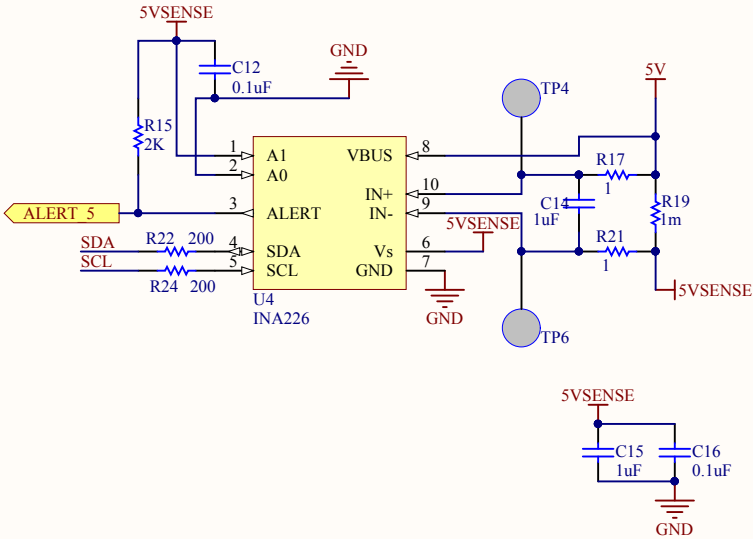


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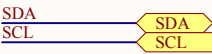
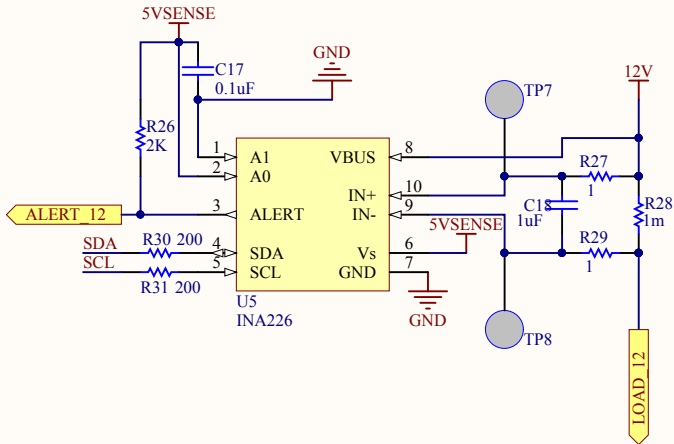
24V Current Sensing



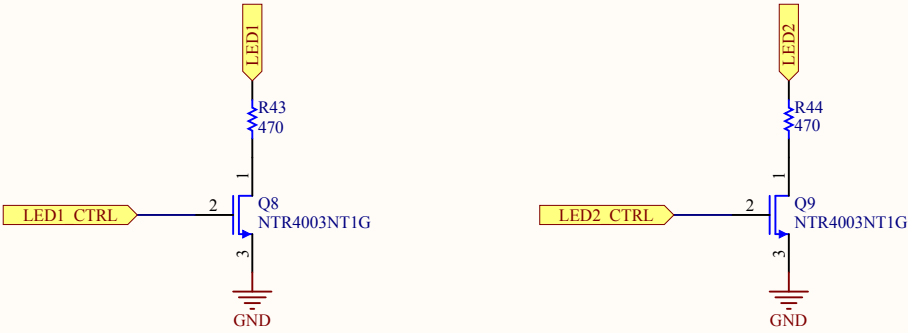
5V Current Sensing



12V Current Sensing

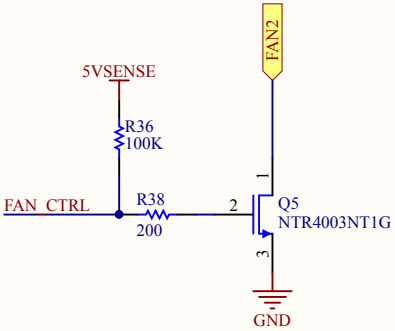
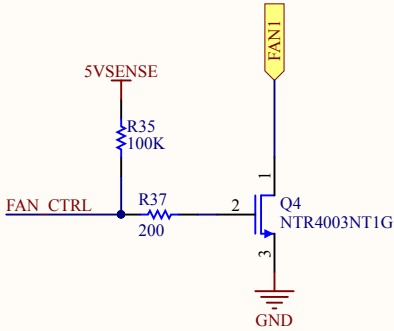


LED Controller

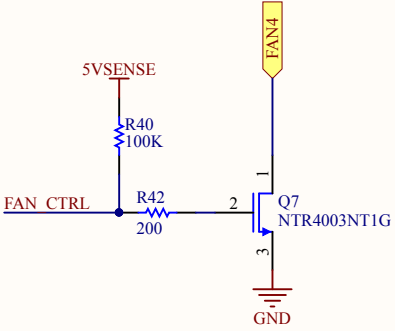
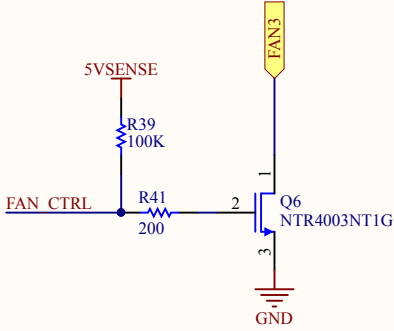


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Size: Letter	Number: 5	Revision: 1.0	
Date: 7/1/2016	Time: 15:15:00	Sheet 5 of 8	
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Fan Controller

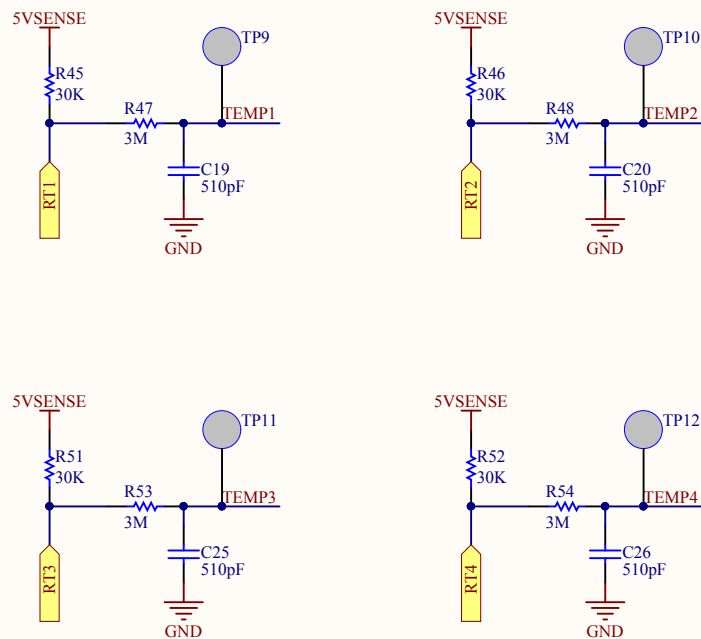


FAN_CTRL

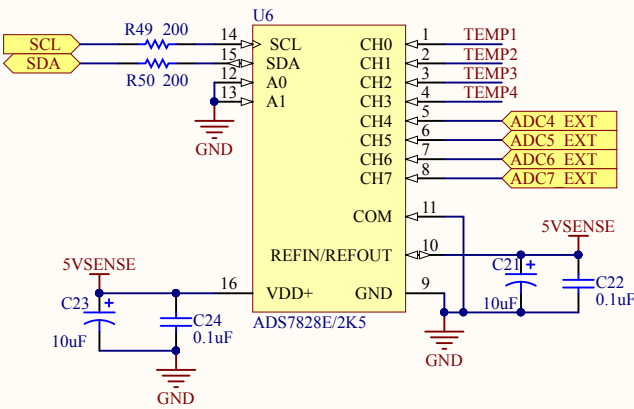


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Size: Letter	Number: 6	Revision: 1.0	
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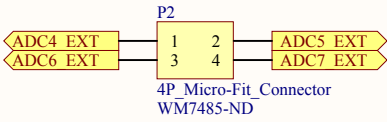
Thermistors + Supporting Circuitry



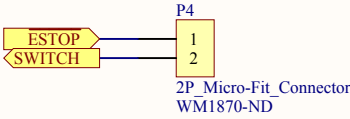
ADC



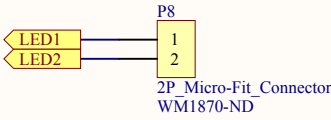
Extra External ADC Connects



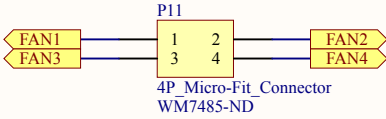
Estop Circuitry Connects



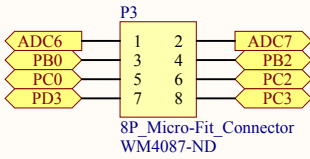
LED Connects



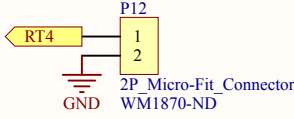
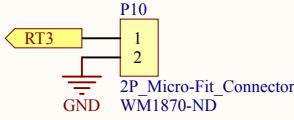
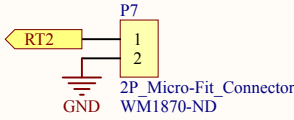
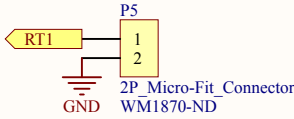
Fan Connects



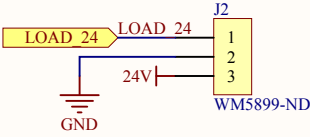
Extra Microcontroller Connects



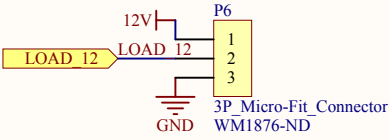
Thermistor Connects



24V Bus Connects



12V Bus Connects



5V Bus Connects

