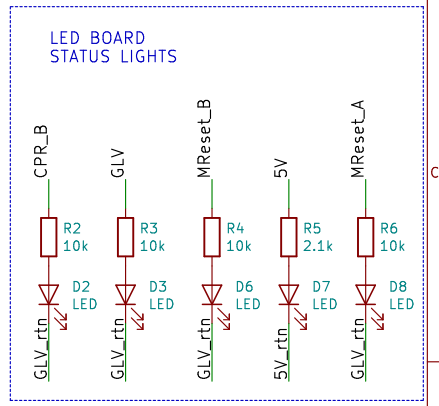
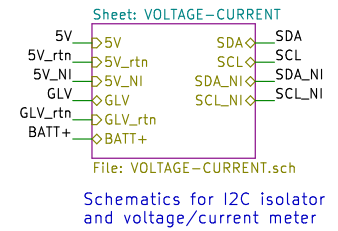
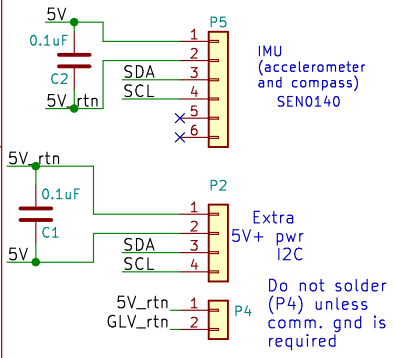
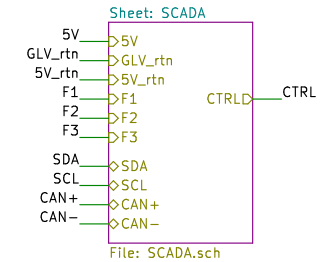
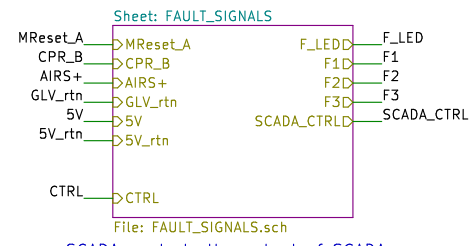
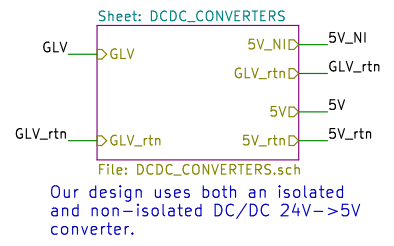
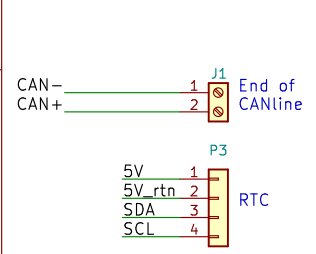
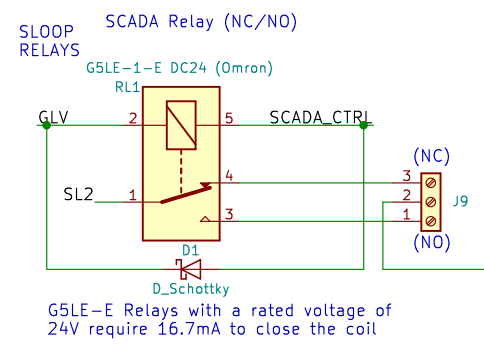
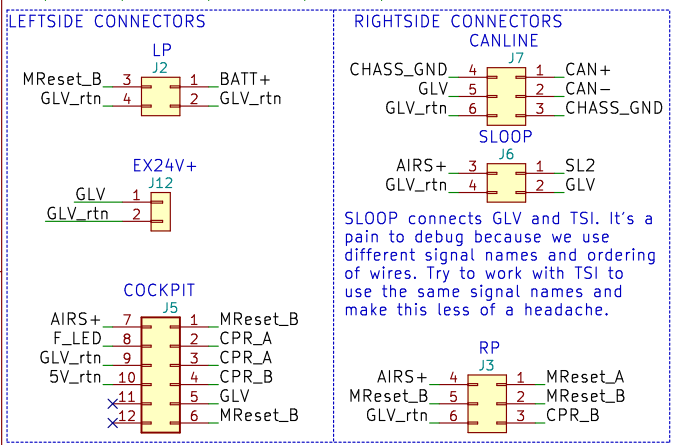
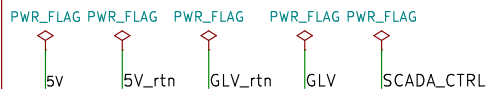


# SAFETY LOOP (24 V, 15 A) rating

MK1  
Mounting\_Hole\_PAD  
CHASS\_GND

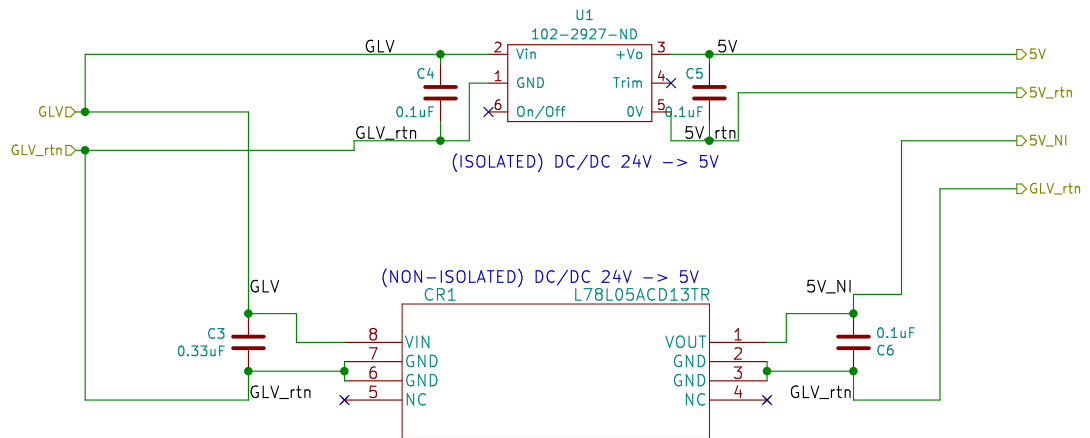


Engineer: Alicia Carone & Noah Engine  
 Supervisor: Chris Nadovich  
 ECE 492  
 Fall 2019  
**Lafayette College**

Sheet: /  
 File: BOB\_rev5.1.sch

**Title: GLV/Safety BoB**

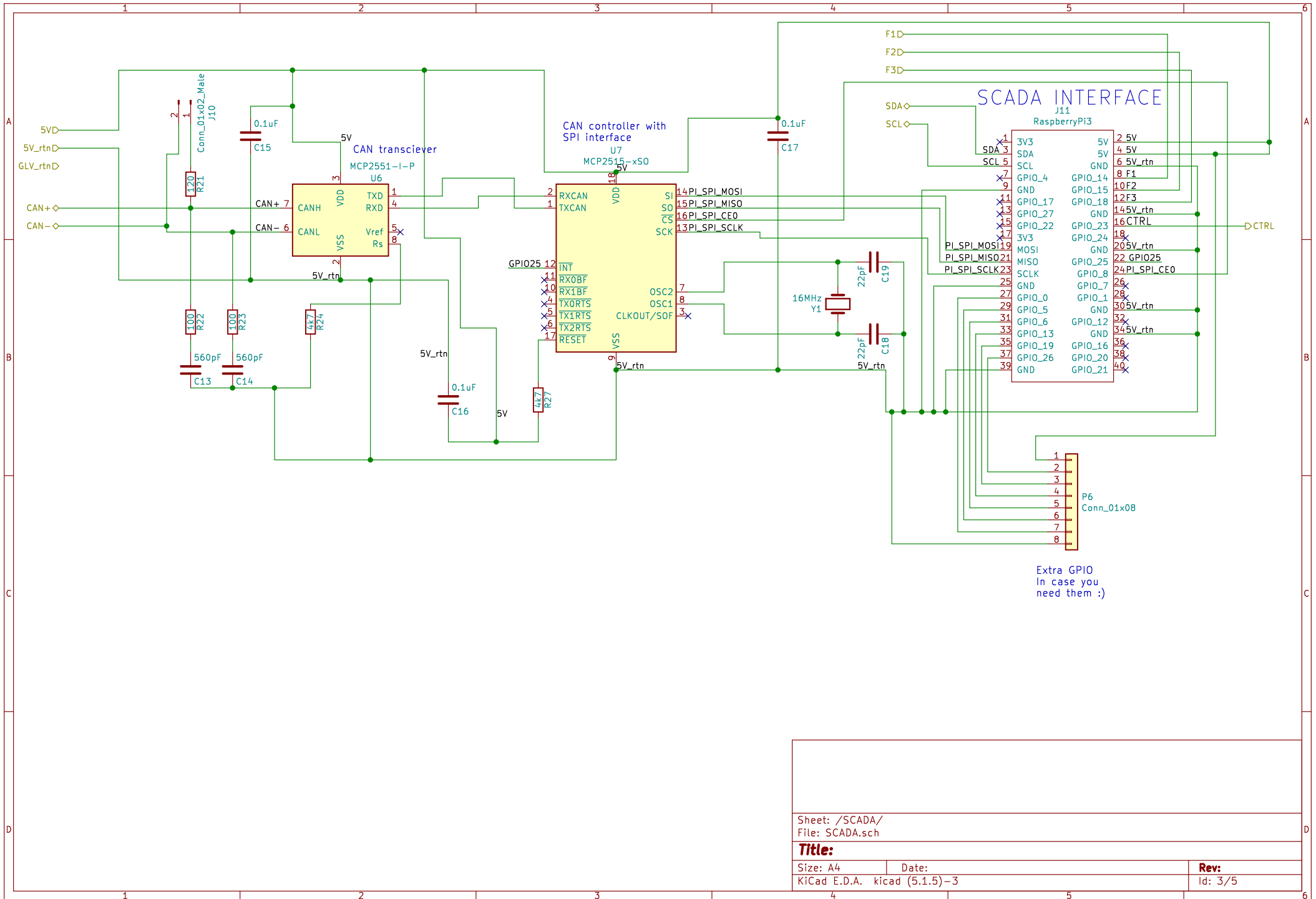
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5V\_NI is only used for the voltage/current meter on the board  
 5V is isolated from GLV (24V) and is used for powering and sending signals to SCADA's Raspberry Pi.

This was a holdover design from 2019. Check with SCADA to see if you can redesign everything to run off of the non-isolated converter. Removing the isolated converter could free up a lot of space on the BOB.

Sheet: /DCDC_CONVERTERS/ File: DCDC_CONVERTERS.sch		
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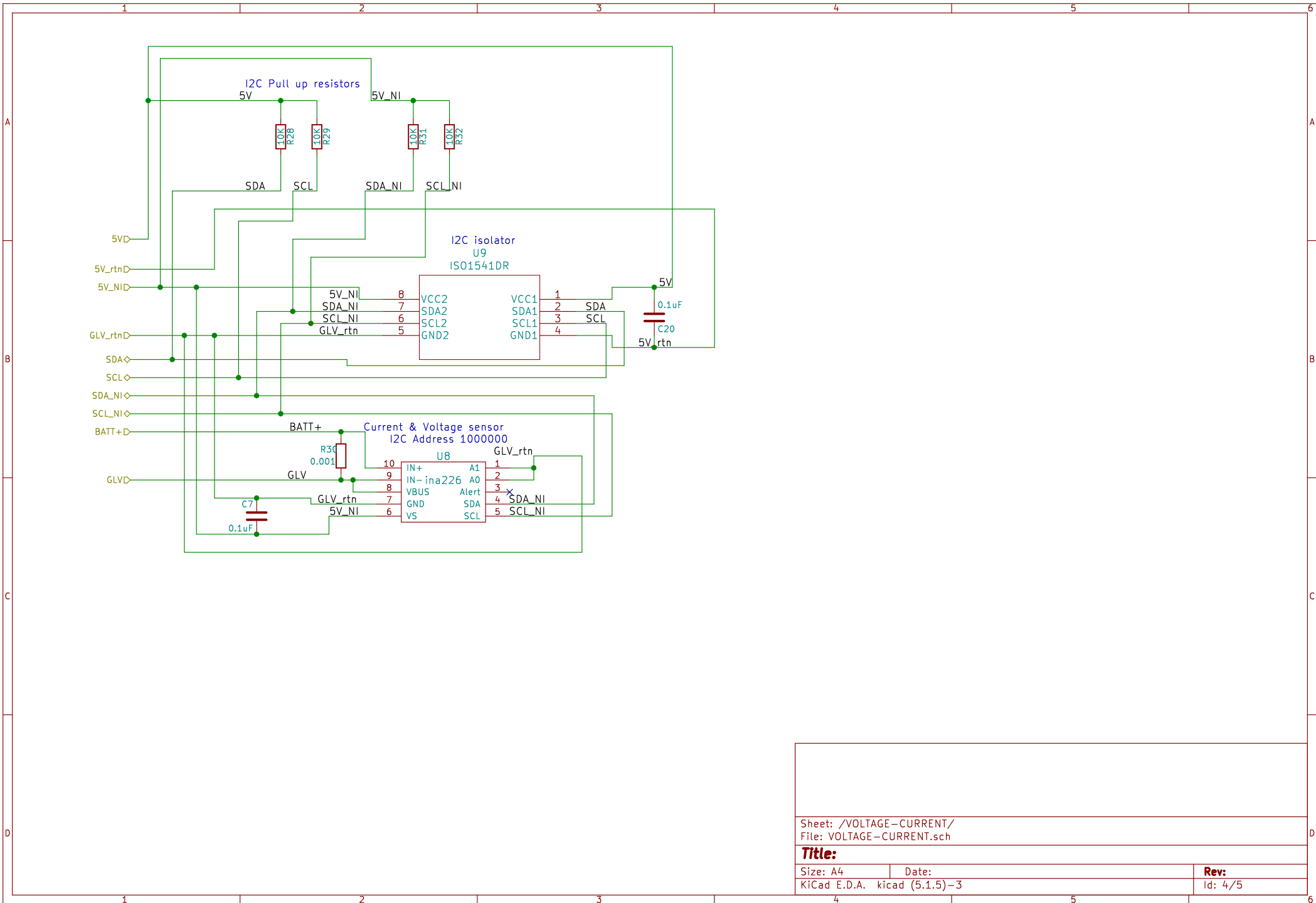


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**Rev:**  
Id: 3/5

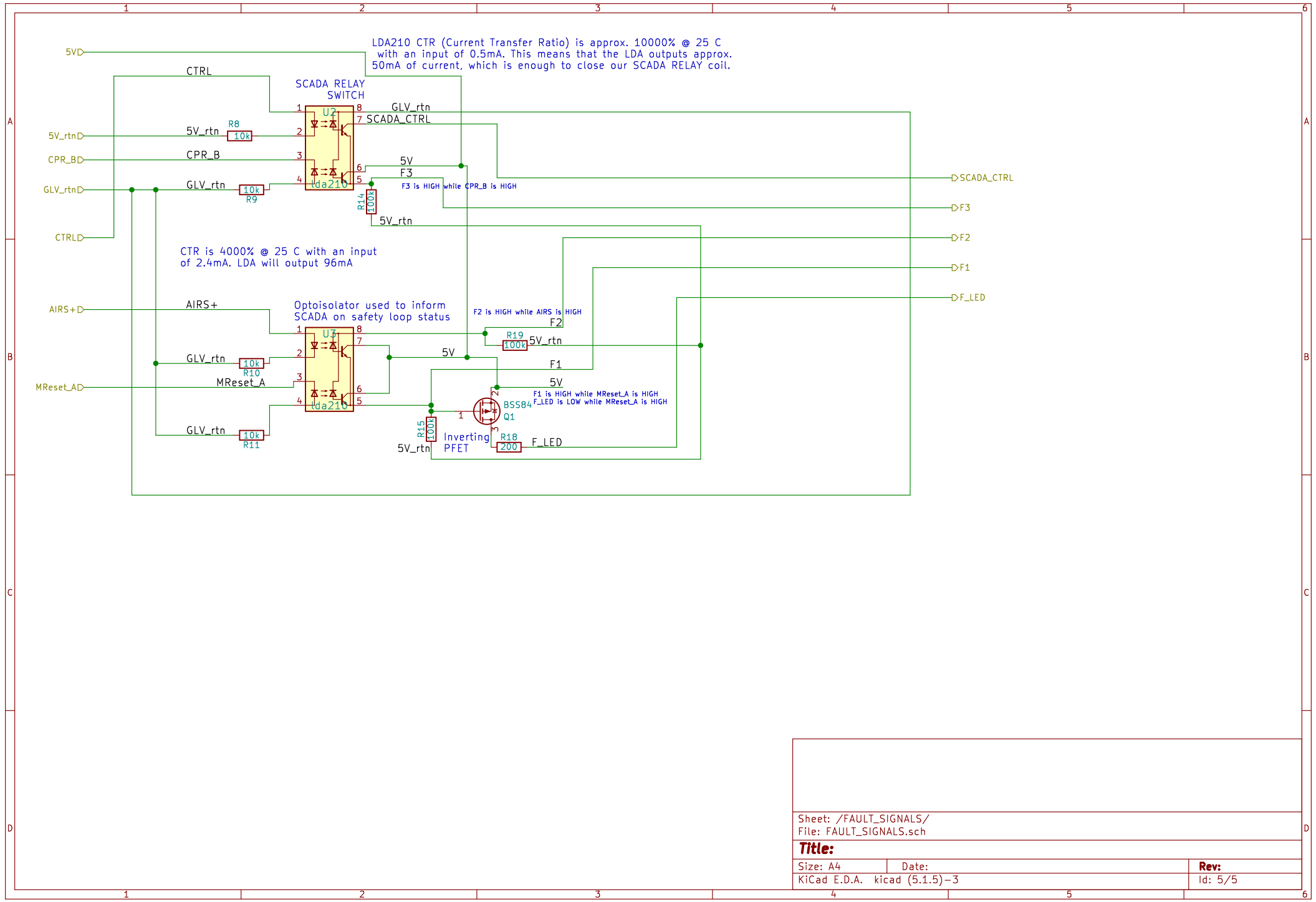


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**Rev:**  
 Id: 4/5



Sheet: /FAULT_SIGNALS/		Date:	
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