

DSG-RICH R&D Meeting

Date: May 10, 2021

Time: 11:00AM – 12:00PM

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. SHT35 sensor PCB design submitted for fabrication

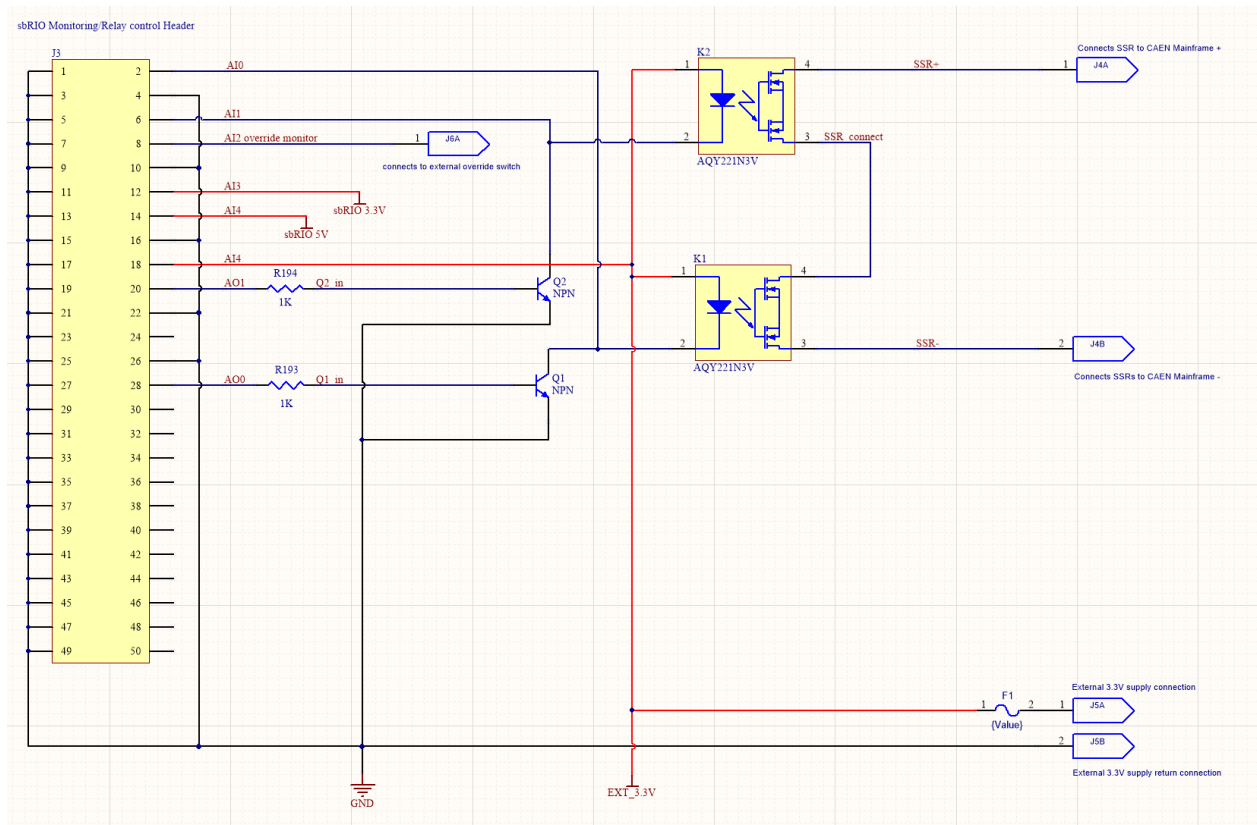
Peter Bonneau, Brian Eng, Tyler Lemon, and Marc McMullen

- Expect to receive PCB by end of May 2021
- Tyler Lemon will send 25 SHT35 sensors to Advanced Circuits for PCB population
 - 20 sensors needed for 10 PCBs
 - Five additional sensors required by Advanced Circuits as spares
 - Unused sensors will be returned with populated PCBs

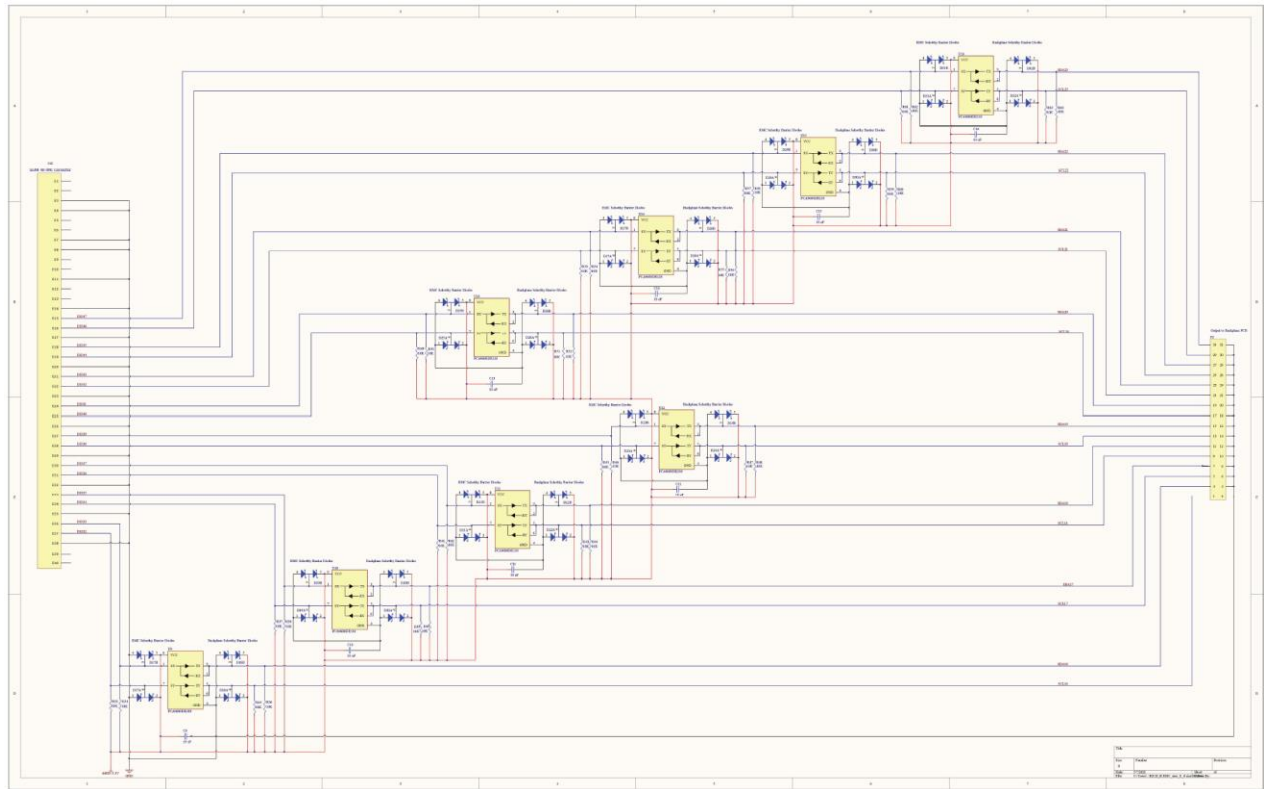
2. RICH-II RIO Mezzanine Card (RMC)

Tyler Lemon and Marc McMullen

- Tyler Lemon will procure Schottky diodes for prototyping
- Marc McMullen is designing schematic for RMC
 - Completed interlock relay and sbRIO monitoring
 - Completed I²C communication from sbRIO to sensors



Interlock relay and sbRIO monitoring portion of RMC



One of six pages for RMC's I²C circuit