DSG-RICH R&D Meeting Minutes

Date: April 9, 2021
Time: 11:00AM – 12:00PM

Attendees: Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Tyler Lemon,
Marc McMullen, and Amrit Yegneswaran

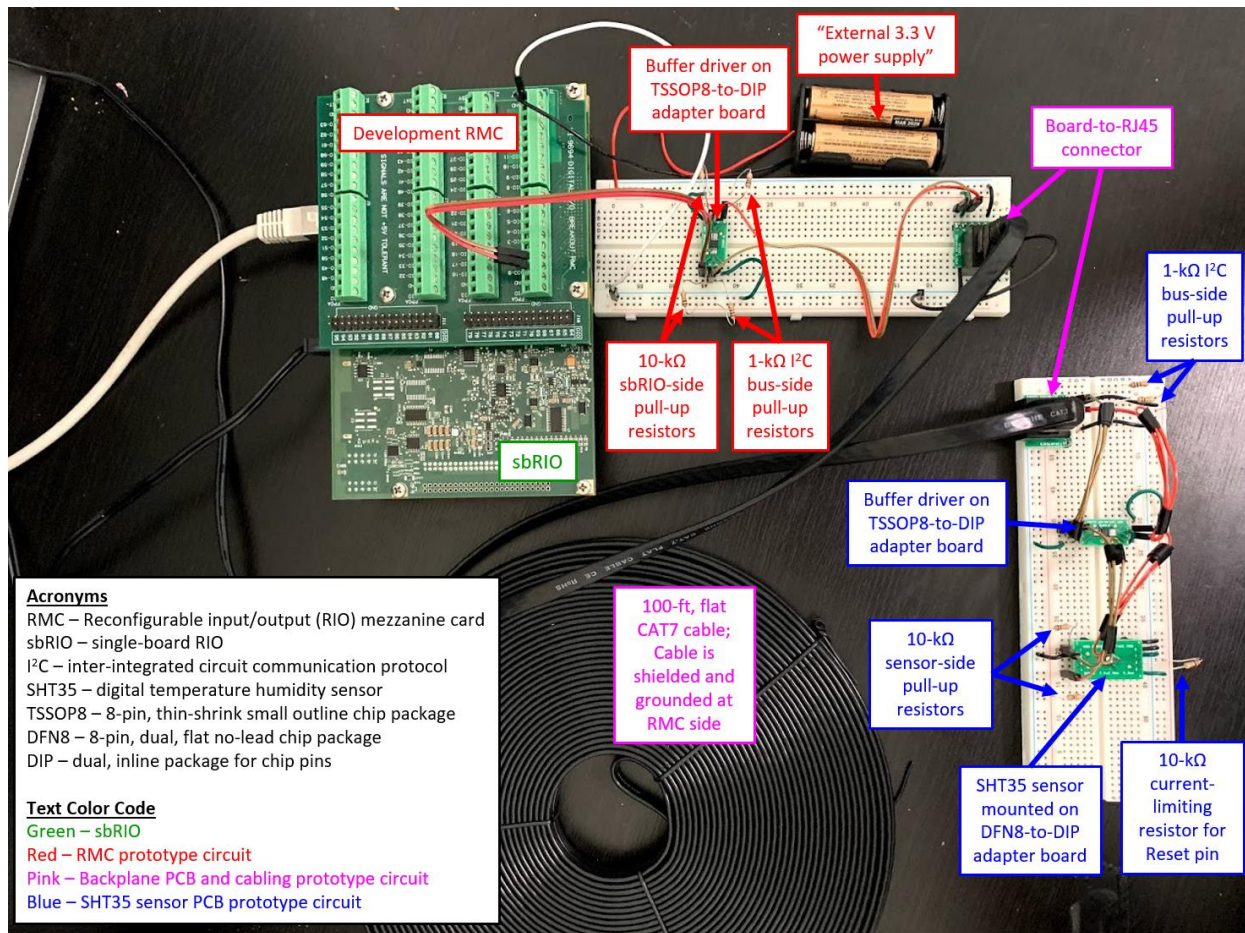1. **Dry cabinet delivery**
   Tyler Lemon
   - Rotameter received
   - Dry cabinet delivery delayed due to COVID and shipping delays

2. **Prototyping of SHT35 readout circuit**
   Tyler Lemon
   - Tested circuitry needed to read one SHT35 sensor with various pull-up resistor values
   - Able to read sensor if 1-kΩ pull-up resistors are used on clock and data lines between buffer driver on RMC and long cabling
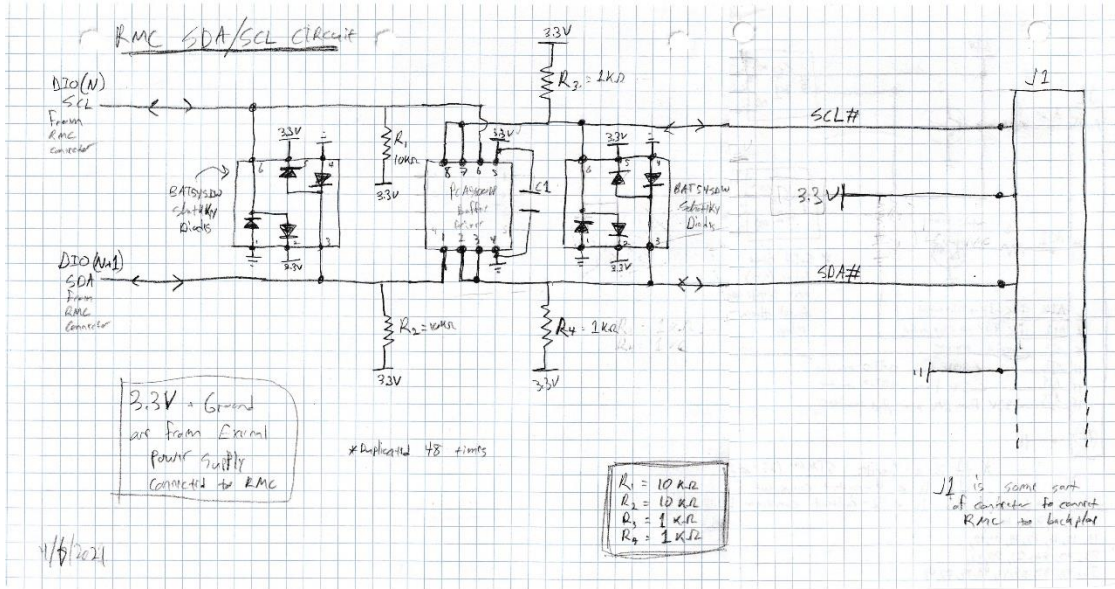

SHT35 sensor readout prototyping setup

3. sbRIO Reconfigurable Input/Output (RIO) Mezzanine Card (RMC) design sketches
Peter Bonneau, Brian Eng, Tyler Lemon, and Marc McMullen

- Created sketches for RMC

Sketch for RMC's I^{2}C circuits