

## DSG-RICH R&D Meeting

**Date: July 26, 2021**

**Time: 11:00 AM – 12:00 PM**

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

### **1. Spherical mirror shipment to JLab from Composite Mirror Applications, Inc. (CMA)**

*Tyler Lemon*

1. As of July 22, mirrors are being prepared to ship
2. Mirror packaging information will be updated sometime this week by CMA

### **2. SHT35 sensor PCBs' production order to be placed**

*Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, Tyler Lemon, and Marc McMullen*

1. Quote received
2. Production order will be for 50 PCBs

### **3. Backplane PCB**

*Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, Tyler Lemon, and Marc McMullen*

1. PCB dimensions are currently 3.75" x 14.5", but the possible addition of components may increase its size
2. Fusing discussion
  - Convenience of removable fuses in holders greatly outweigh the space-saving benefit of using smaller, non-removable fuses
3. Traffic LED discussion
  - LEDs integrated into RJ-45 connectors will be changed from indicating 3.3 V power to sensors to indicating I<sup>2</sup>C communication traffic to/from sensor
  - Inverter will have to be included on PCB to get "off when idle, on when active" behavior