

End of Prototyping Electronics Manufacturing Plans

Jarrett Wehle – 4/23/2020

P20101: S-CUBED

**Completed Boards that were handed off:**

P20101-021: Deployment sensors

P20101-002: Reaction wheel development board

**Would need to be assembled (blank) due to COVID-19:**

P20101-031: Reaction wheel board emulating 4RW0 for new ADACS design

I would not recommend assembling this board. The team is giving strong recommendations that instead of trying to manufacture a hypothetical reaction wheel, RIT should simply purchase the commercial unit we have specced out: NanoAvionics 4RW0.

**Recommended Assembly:**

P20101-021: Deployment sensors

Requires a fine tipped solder iron only, simple if you have adequate soldering experience. More of these would be needed to test further sail deployment.

I would not recommend any further electronics manufacturing, the commercial boards need to be purchased if funding is acquired to implement the actual system.