### End of Co-op Presentation

By: Vasishta Malisetty



### **About Me**

Rising Junior @
Northeastern studying ECE

Based out of Hopkinton, MA

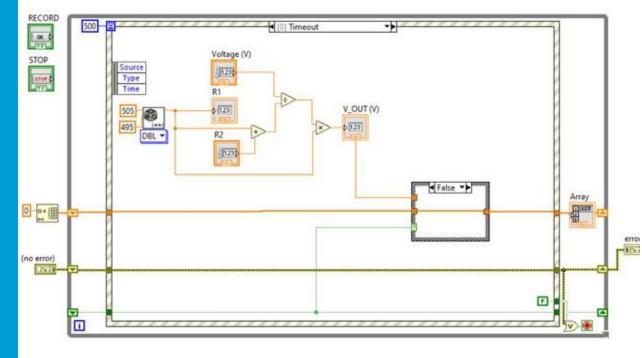
Fun Fact: I love the Pittsburgh Steelers

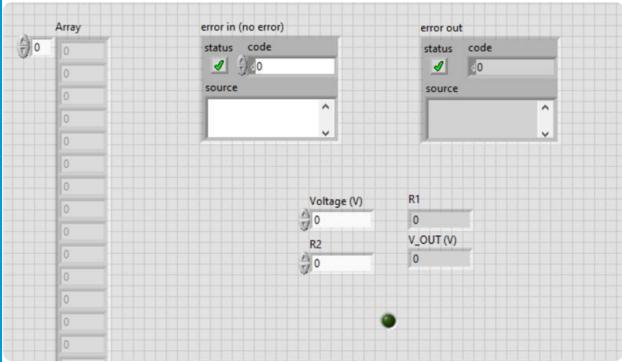






# What is LabVIEW?

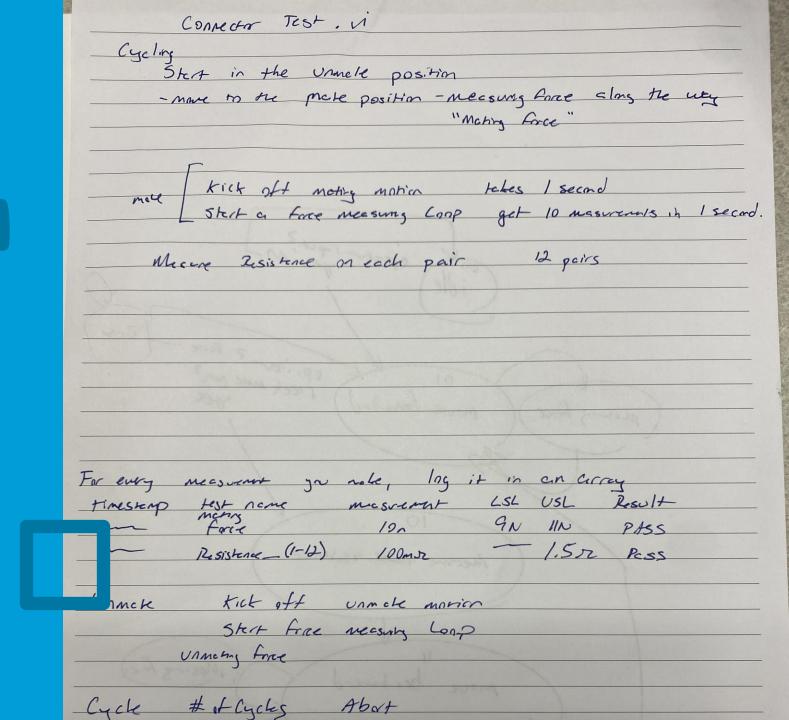






### Connector Mate/Unmate Test

### **Brainstorming**



#### Hardware

Anaheim Automation LS100 Linear Actuator

**NCD 32 Relay Controller** 

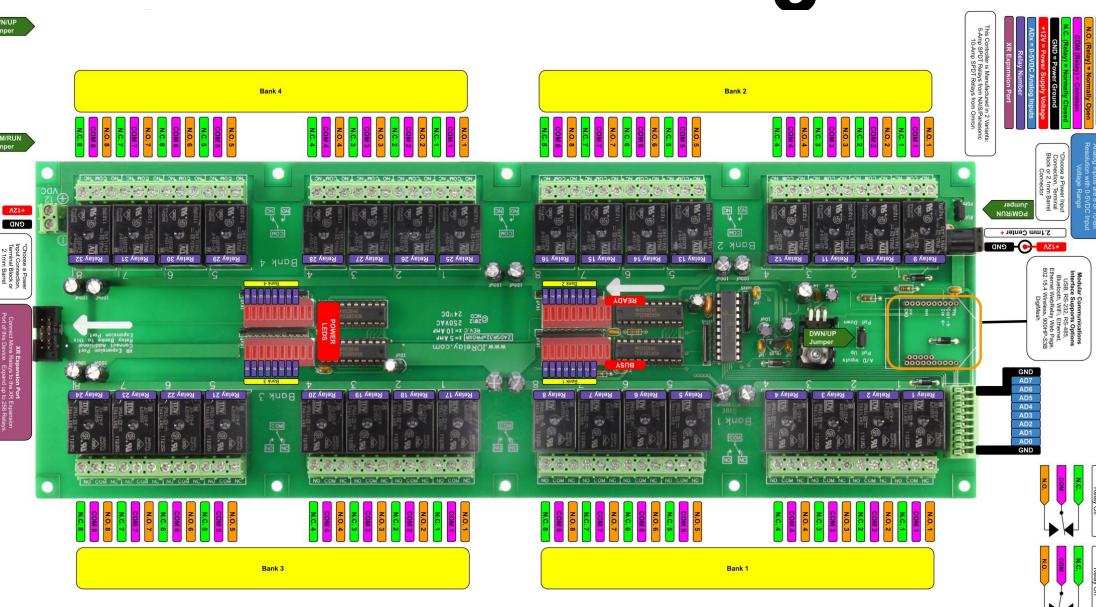
**Keysight 3458A Digital Multimeter** 

**Agilent E3646 Power Supply** 

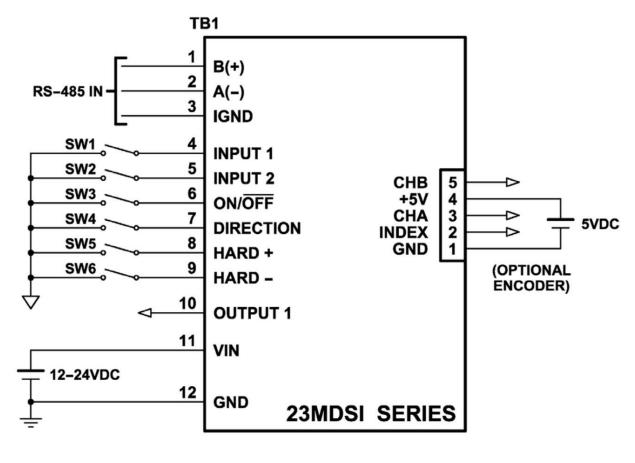
**OMEGA Minature Inline Load Cell** 

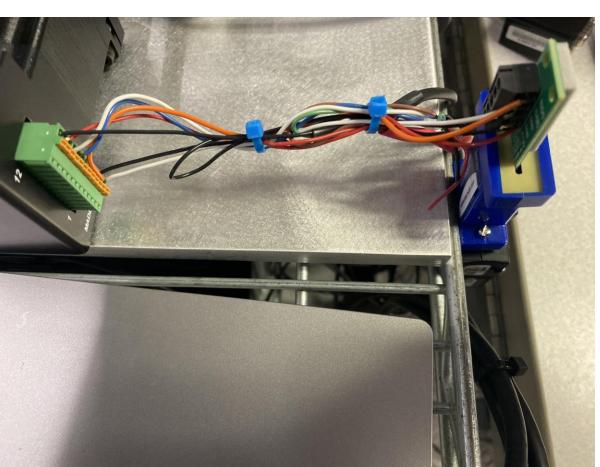


# **Electrical Wiring**

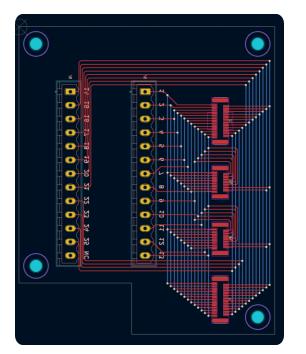


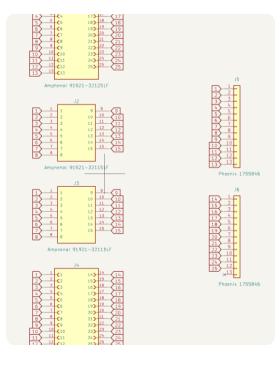
### **Electrical Wiring**

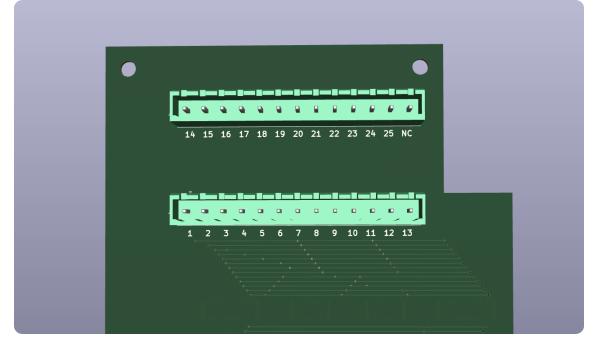




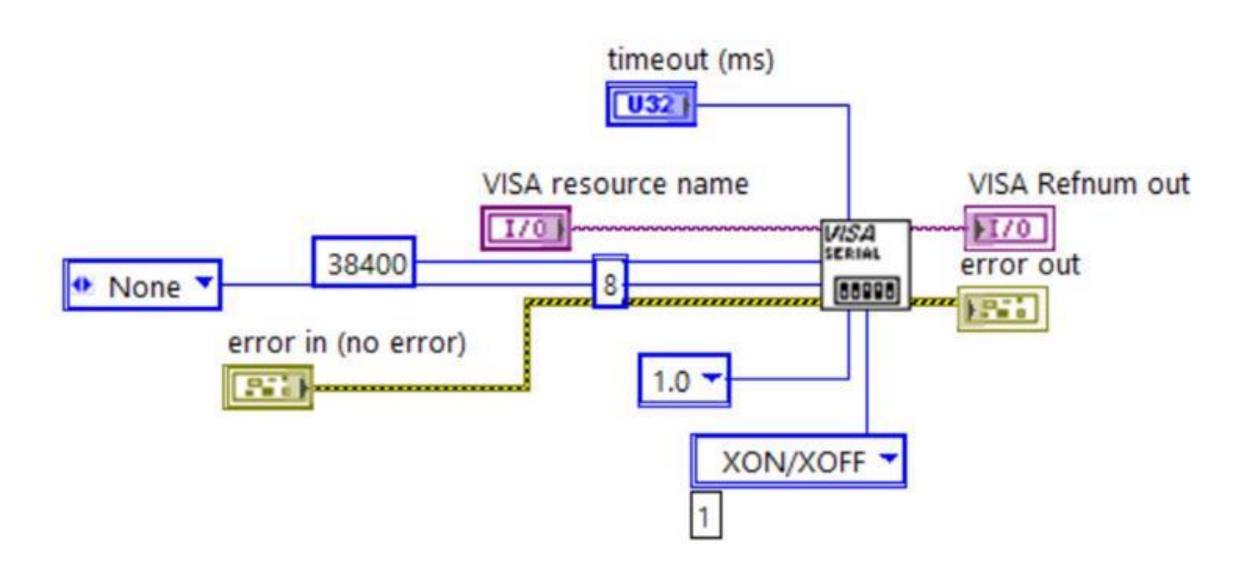
# Electrical Wiring



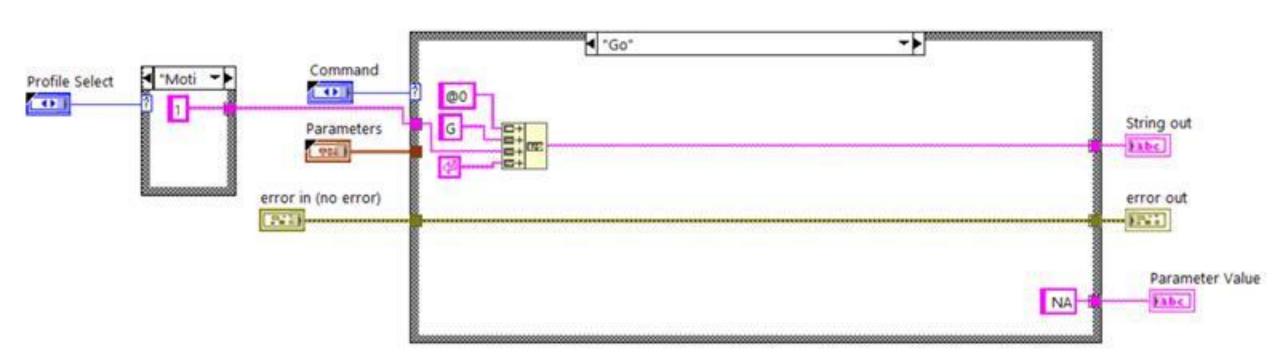


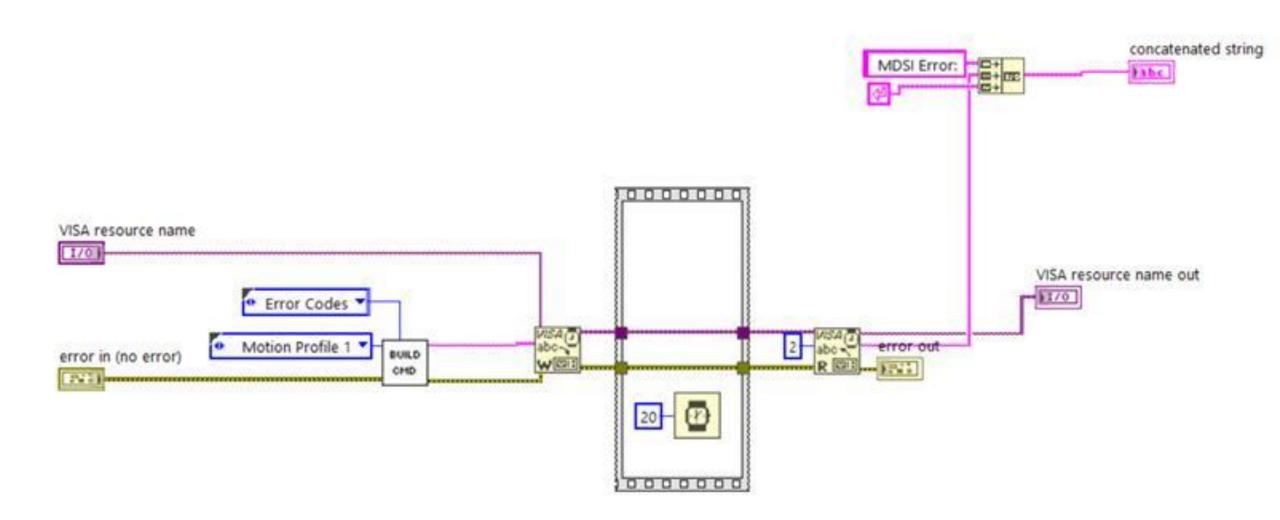


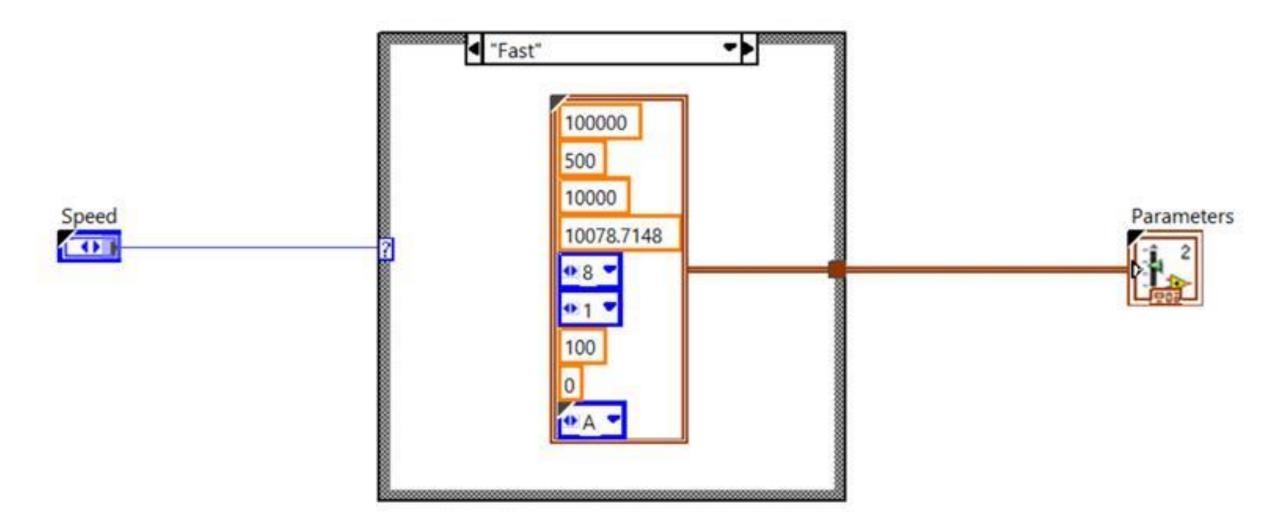
#### Connector Mate Test LabVIEW V1

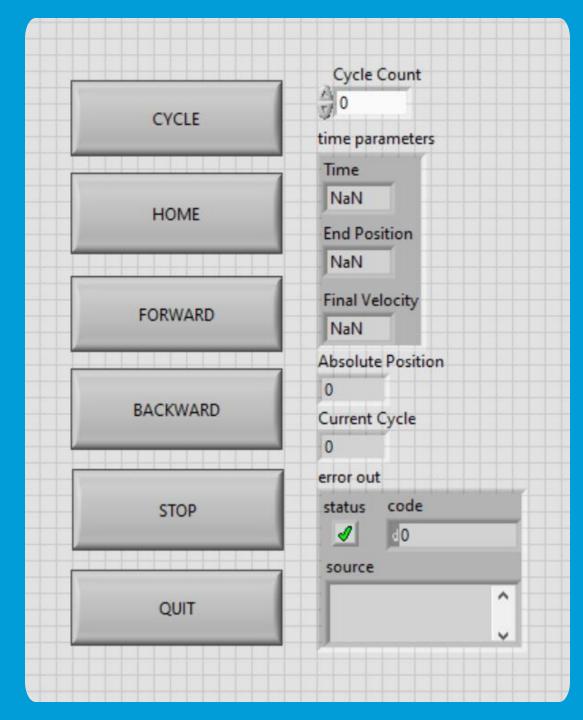




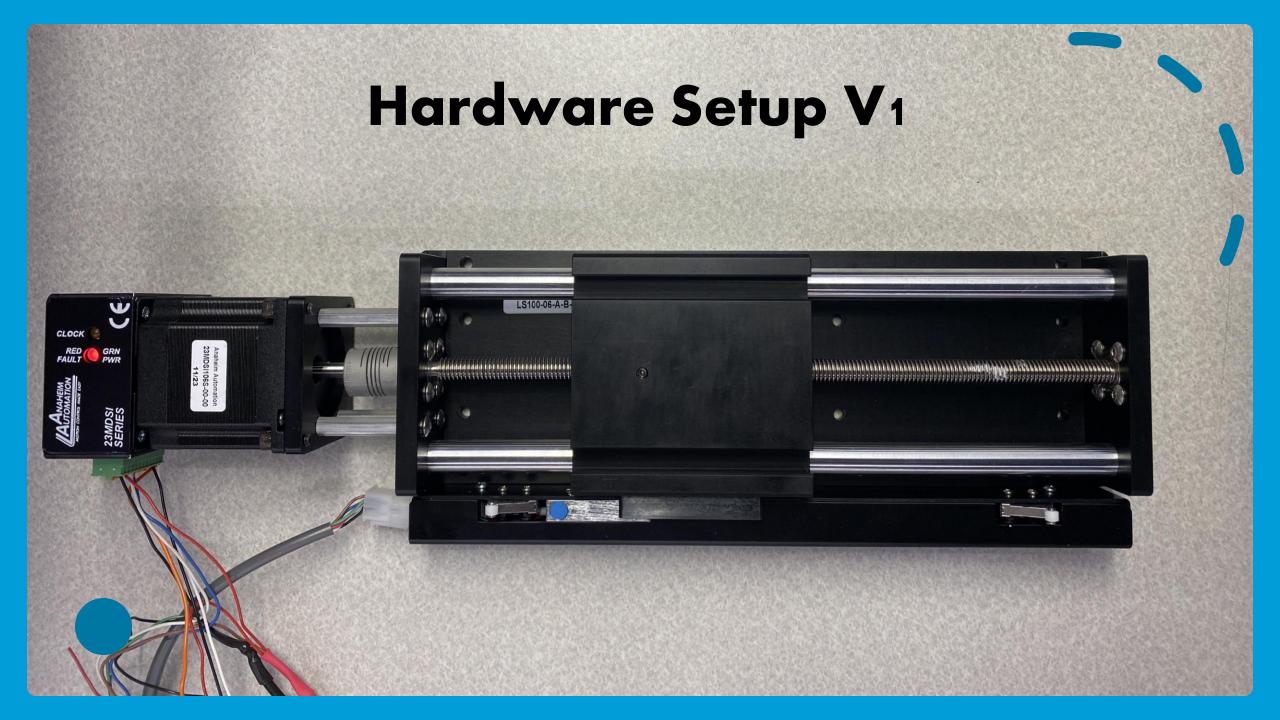






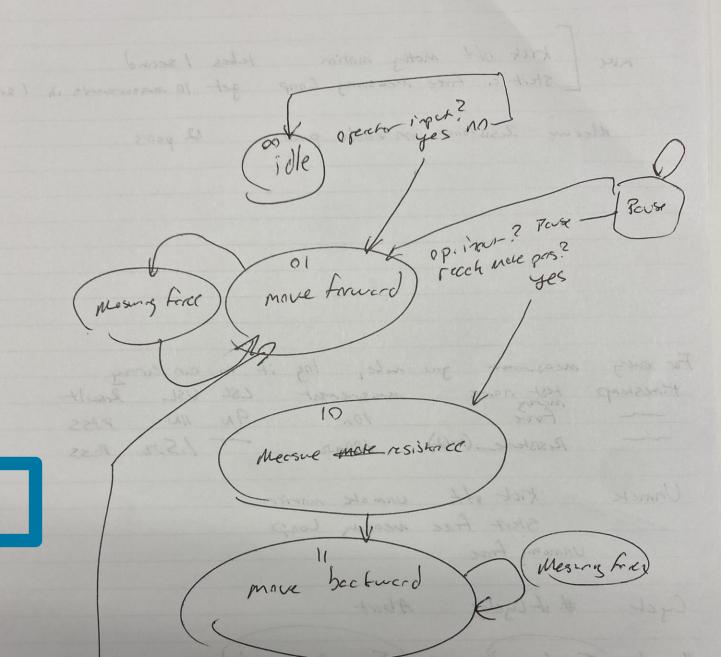


# Control Panel V<sub>1</sub>

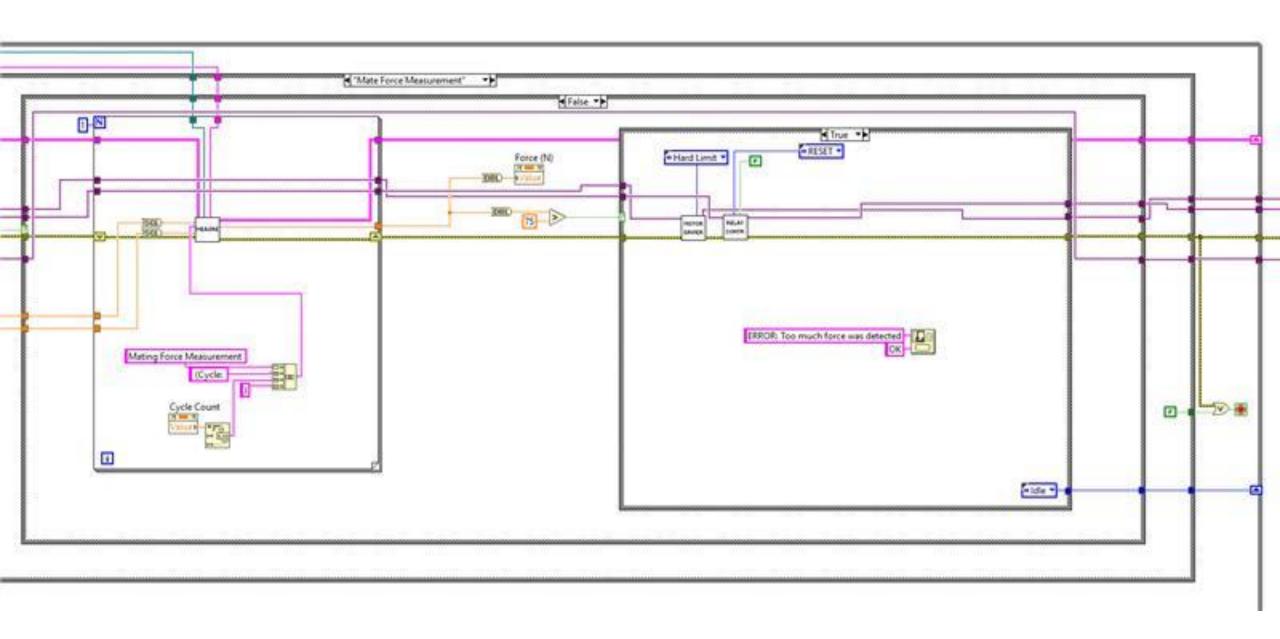


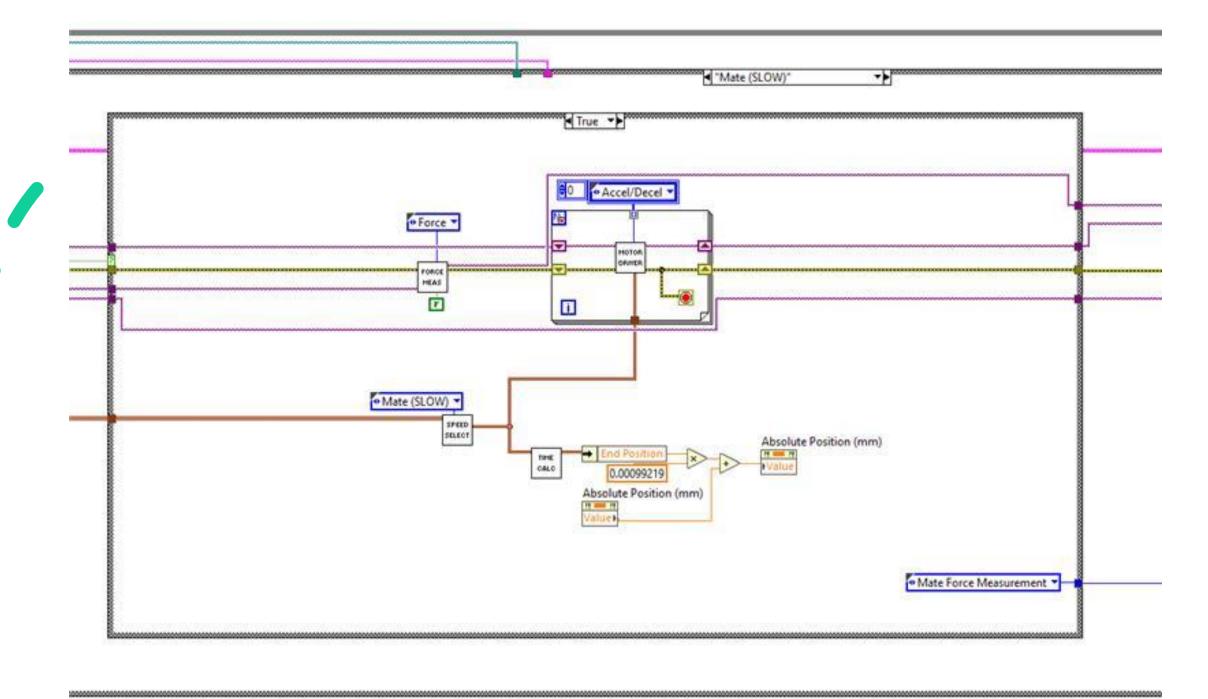
# Connector Mate Test V<sub>2</sub>

### Brainstorming

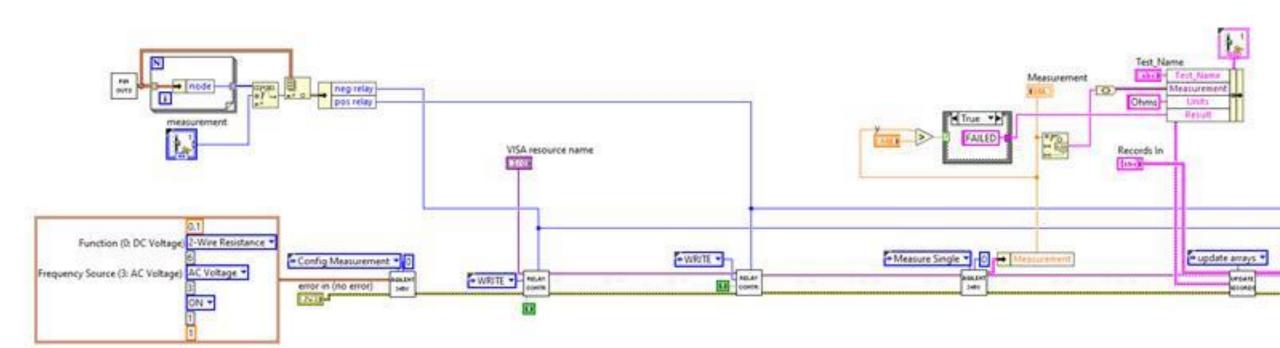


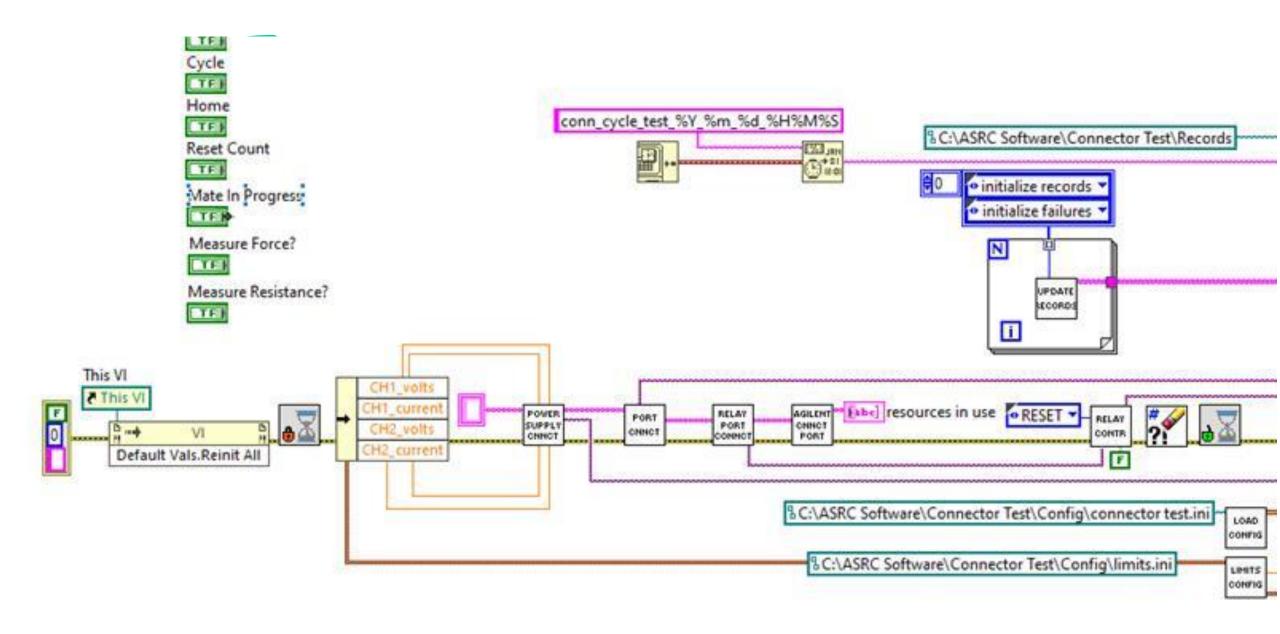
### Connector Mate Test LabVIEW V2



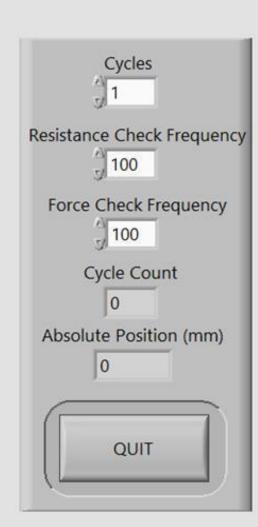


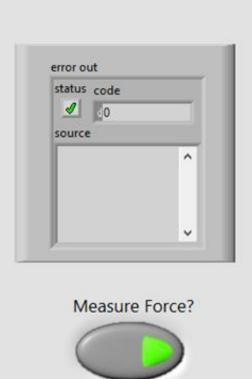








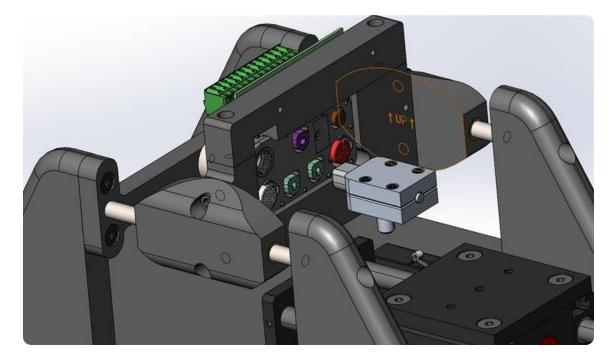


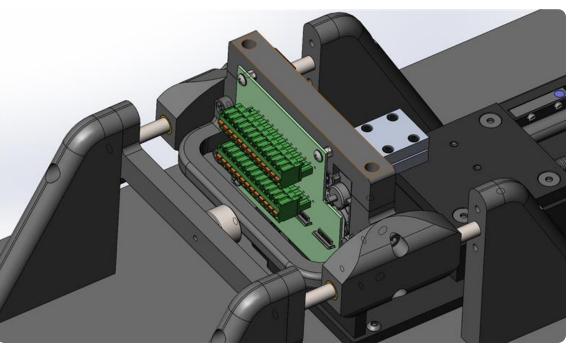


Measure Resistance?

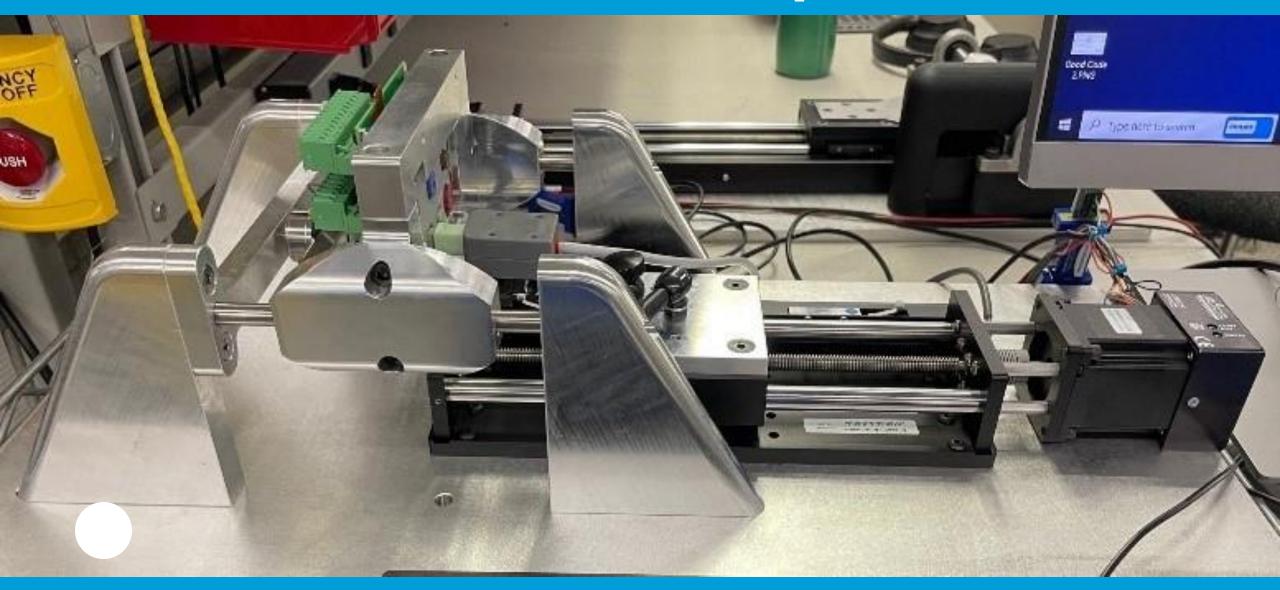


# Mechanical Integration



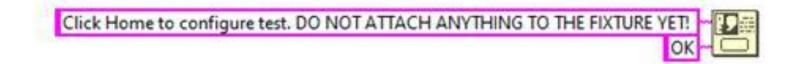


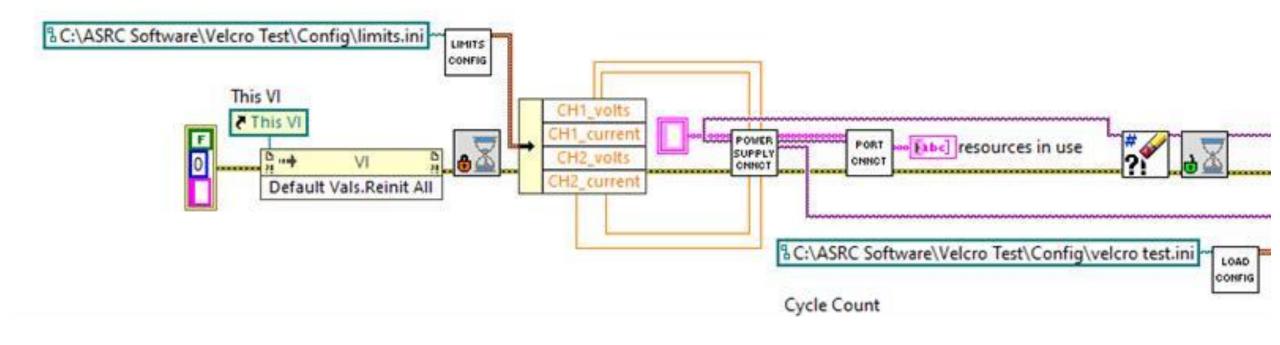
### Hardware Setup V2

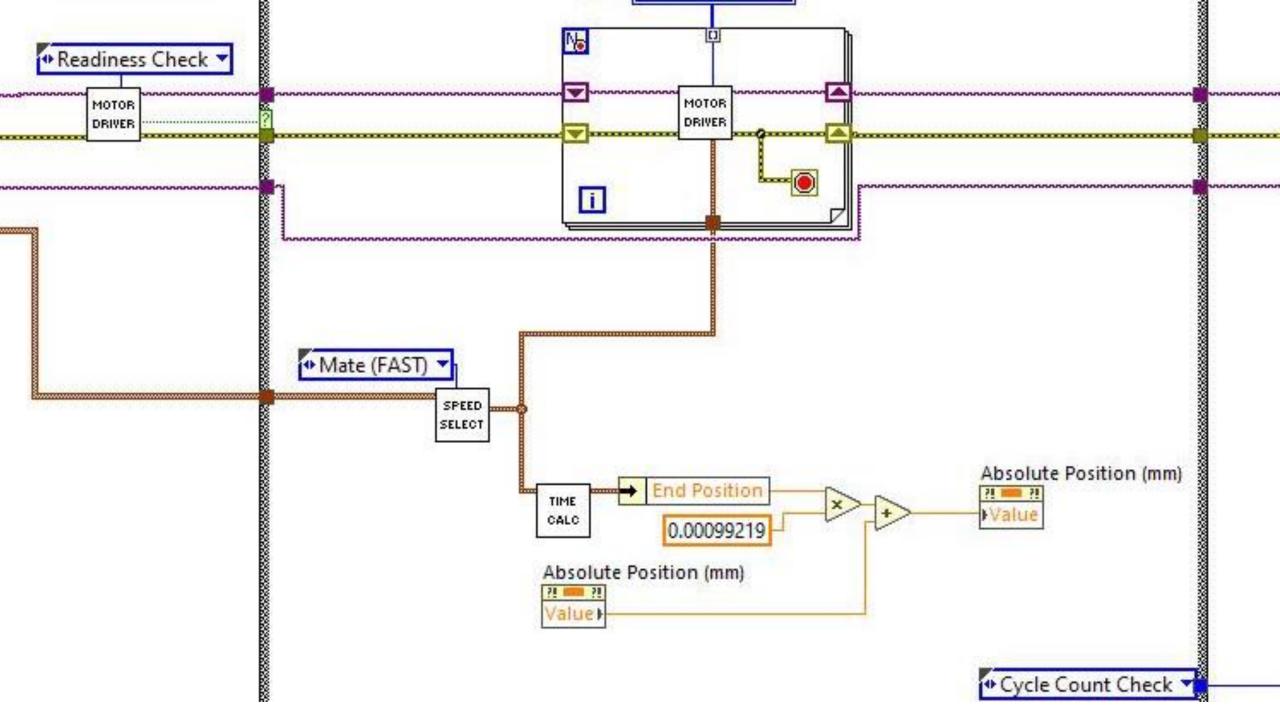


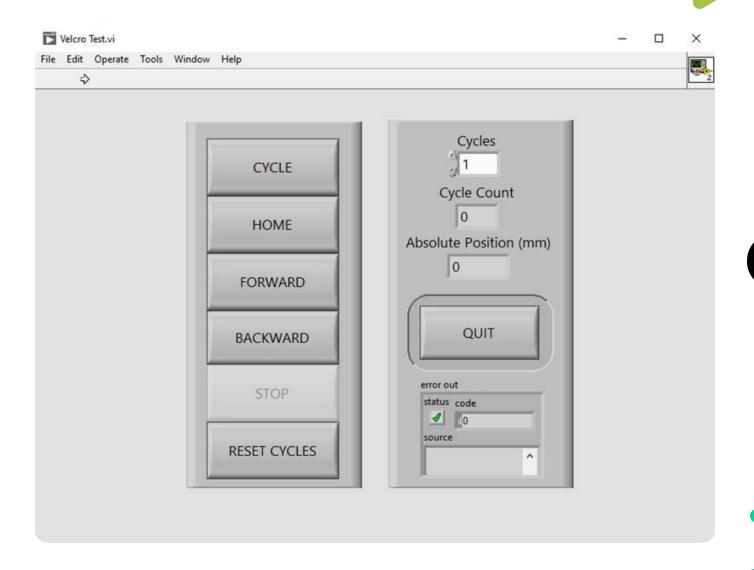


#### **Velcro Test LabVIEW**



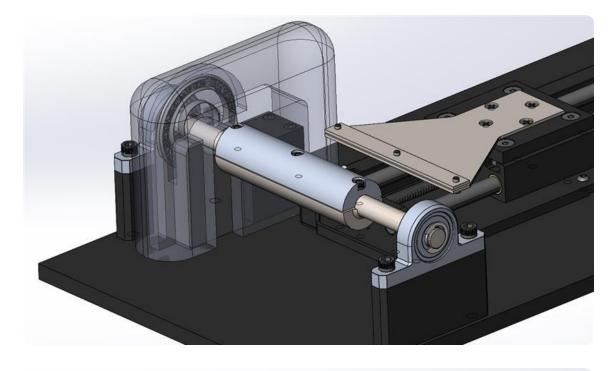


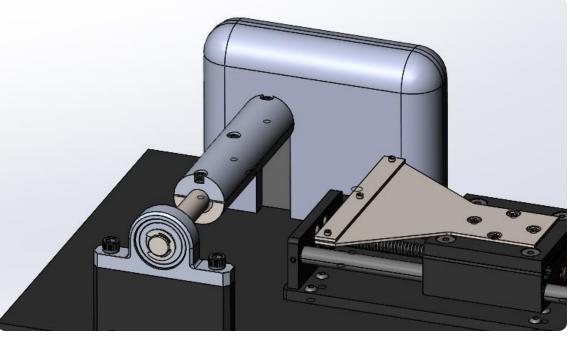




### **Control Panel**

# Mechanical Integration







### Lessons Learned











Hardware Development

**Persistence** 

Asking Questions

Organization

Problem Solving

