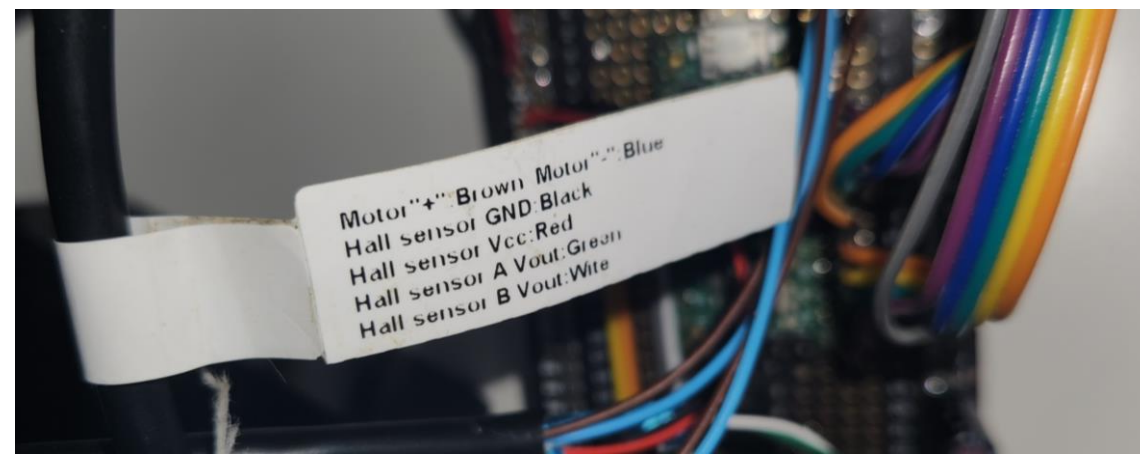
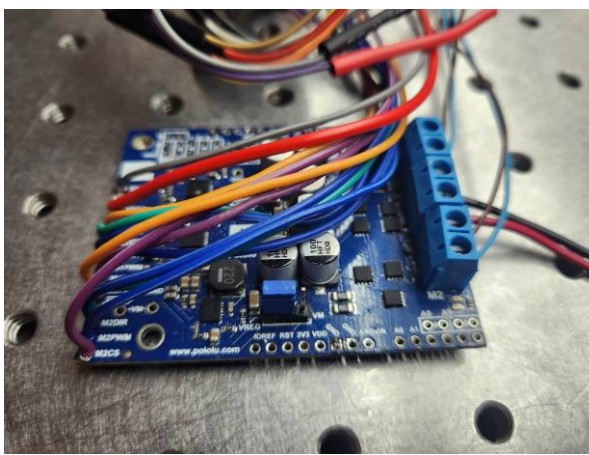
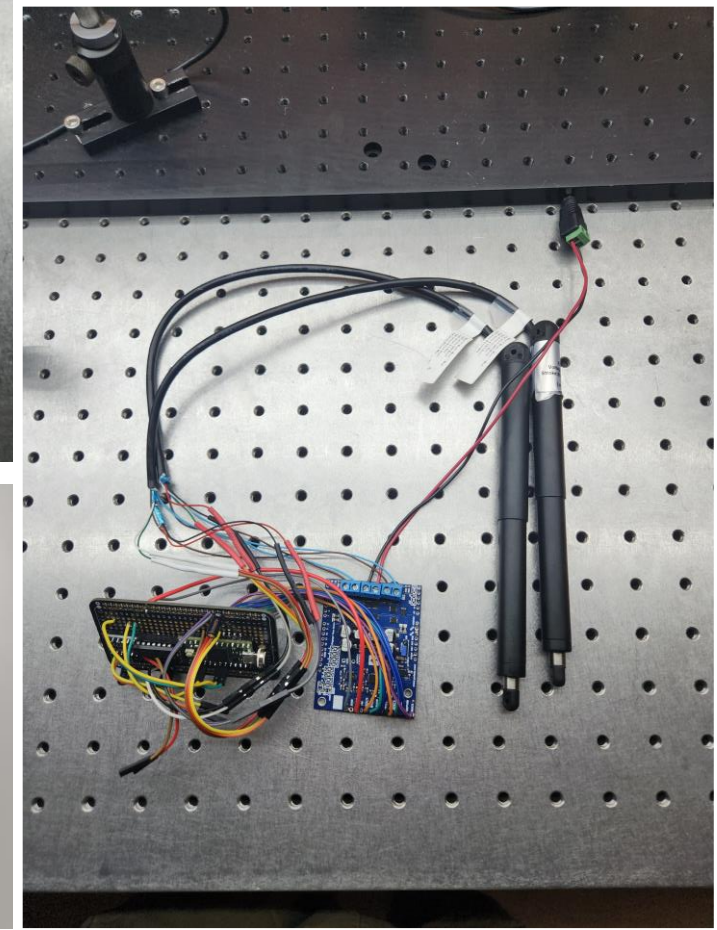
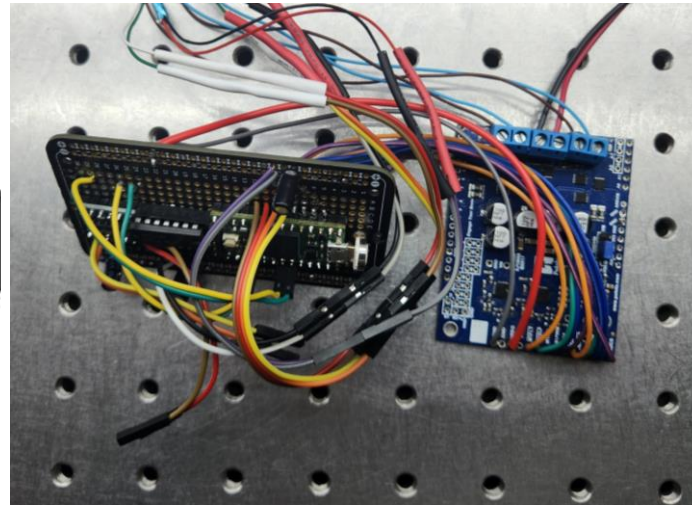
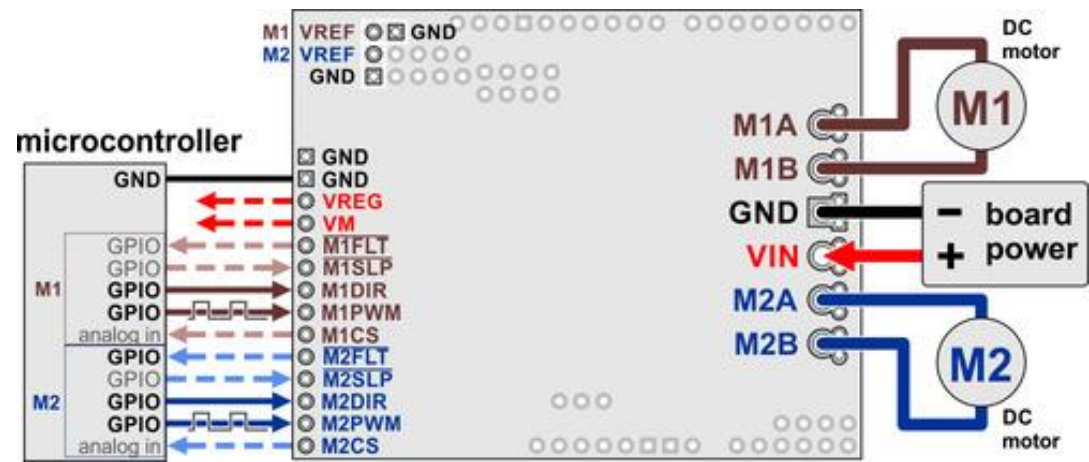


THz Lab Motion Controller

Parts List

- Microcontroller \$25 : Teensy 4.0
- Driver (\$60) :
 - Pololu Dual G2 High-Power Motor Driver 24v14 Shield for Arduino
 - <https://www.pololu.com/product/2515>
 - Drives up to 2 motors
- Actuators (\$135 each) :
 - FA-BS16-11-12-60
 - <https://www.firgelliauto.com/products/micro-actuators?variant=39514433552455>
 - 11 lb (50N) of force, 12V supply with 60 mm stroke



Teensy Pin	
1	M1 Sleep
2	M1 Direction
3	M2 Sleep
4	M2 Direction
5	M1 Hall Sensor A
6	M1 Hall Sensor B
7	M2 Hall Sensor A
8	M2 Hall Sensor B
A0	M2 Current Sense
A1	M2 PWM
A4	M2 Fault
A5	M1 Fault
A8	M1 PWM
A9	M1 Current Sense

