Arduino PID controller circuit

Thermistor

Thermistor

A1 B1 A2 B2

DIR

DIR

+

+
AREF
GND
13
12
11
10
9
8

RST
+3.3V
+5V
GND
GND
VIN

7
6
5
4
3
2
TX
RX

0
1
2
3
4
5

Analog In

PWR + −
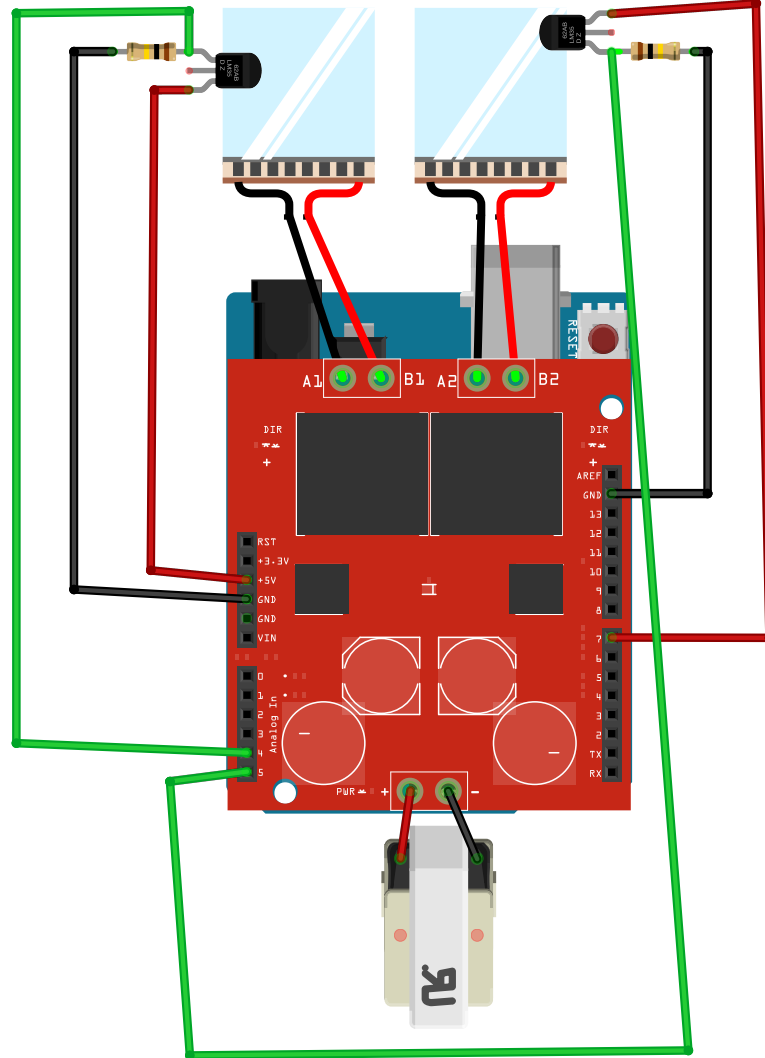
Voltage source 12V

Arduino Uno R3
Monster Moto Shield VNH2SP30