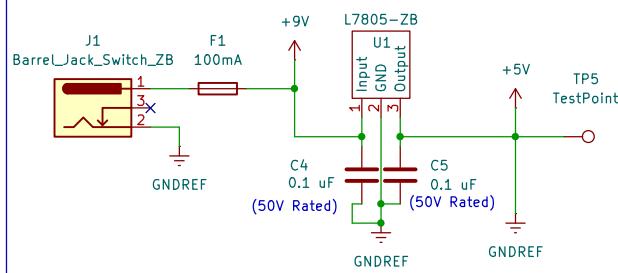
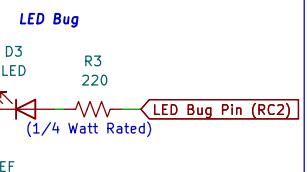


My Power supply is not needed as the main power will be Jumped from Mihir which is the main board. However, this power supply is used for testing purposes.

Power Supply Circuit_ZB

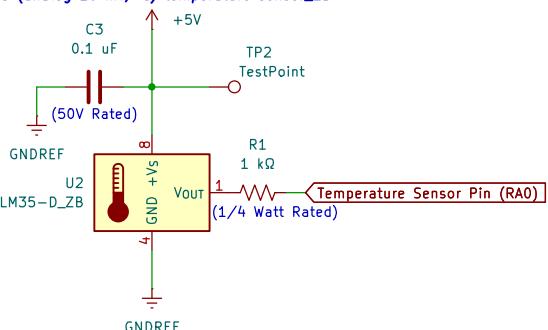


This LED Debugging is what activates the LED to light up acting as a indicator the Debugging is occurring.



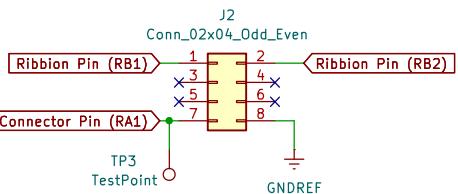
Once the room is at a certain temperature of heat, the Temperature Sensor then activates an input to close the curtains that goes to the Microcontroller.

LM35 (analog 10 mv/°c) temperature sensor_ZB



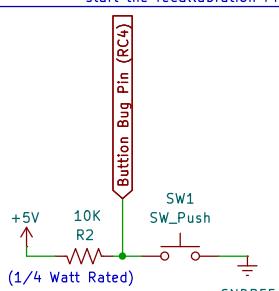
The Connector Circuit is where the Digital and Analog signals are received. The Digital pins are connector Pin 1, and connector Pin 2, both being the ribbon Pins, (RB1 and RB2) while Pin 7 is the Analog Pin getting signals from Pin RA1. This analog pin 7 is what connects the Temperature sensors input from the Microcontroller to the Motor on Mihir (Main Board). Pin connector 8 is ground.

Connector Circuit_ZB



The Button Bug is a debugging feature in which the Input signal from clicking the button, goes into the Digital I/O of the microcontroller which is what signals the motor on Mihir's board to start the recalibration Process.

Button Bug



This Microcontroller takes the signals that come from the Temperature Sensor and Button debug and directs it to the connector circuit which then leads to Mihir's board. Pin RC4 is the Debugging Button Pin, Pin RA1 is the Analog Connector Pin, and Pin RA0 is the Temperature Sensor Pin.

MicroController Circuit_ZB

