

# ECE 153B – Winter 2023

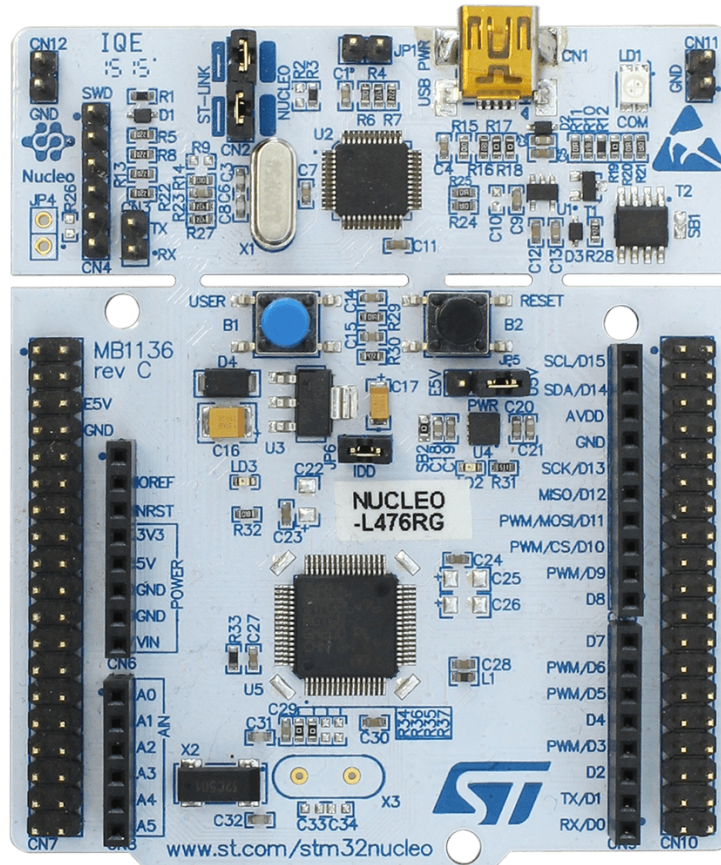
## Sensor and Peripheral Interface Design

### Parts for Lab

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## Lab1 and Lab2

- Board for all the labs:
  - Nucleo-64 development board [[Octopart](#)]



- USB A-Male to Mini-B Cable [[Octopart](#)]
  - Common cable - You might have this already!



## Lab 3

- Breadboard [[Amazon](#)]
  - You might have this already from earlier classes.



- Jumper Wires [[Amazon](#)]
  - You might have the wires already from earlier classes.

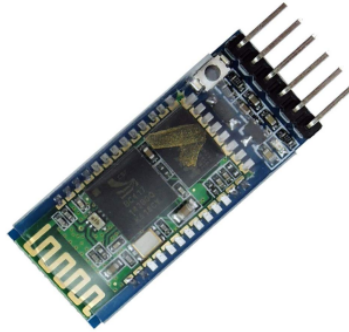


- HC-SR04 Ultrasonic Distance Sensor [[Octopart](#)]



## Lab 4

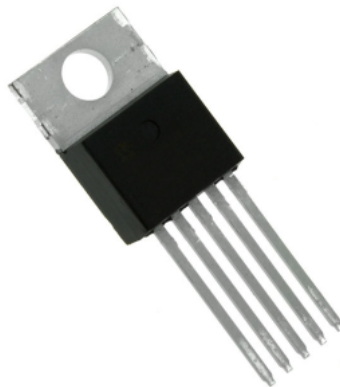
- HC-05 Bluetooth Module [[Amazon](#)]



- Bluetooth USB Adapter [[Amazon](#)]
  - Not needed if your laptop/PC has Bluetooth (most laptops/PCs have!)



- TC74 Temperature Sensor [[Mouser](#)] [[Digi-Key](#)]



- 1 k $\Omega$  Resistor (x2)



## Lab 5

- 1 k $\Omega$  Potentiometer [[Amazon](#)]
  - TAs will give you a Potentiometer during the lab sessions. You can buy one if you want for personal use.

