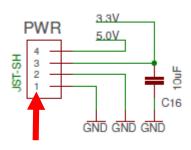
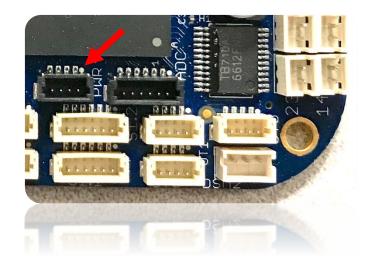
### Scuttle robot Wiring Guide (rev 2019.02.05)

#### **Important Info:**

To match the beaglebone pins to the pin numbers on the diagram: The tiny white circle on the silkscreen at each connector indicates "pin1"

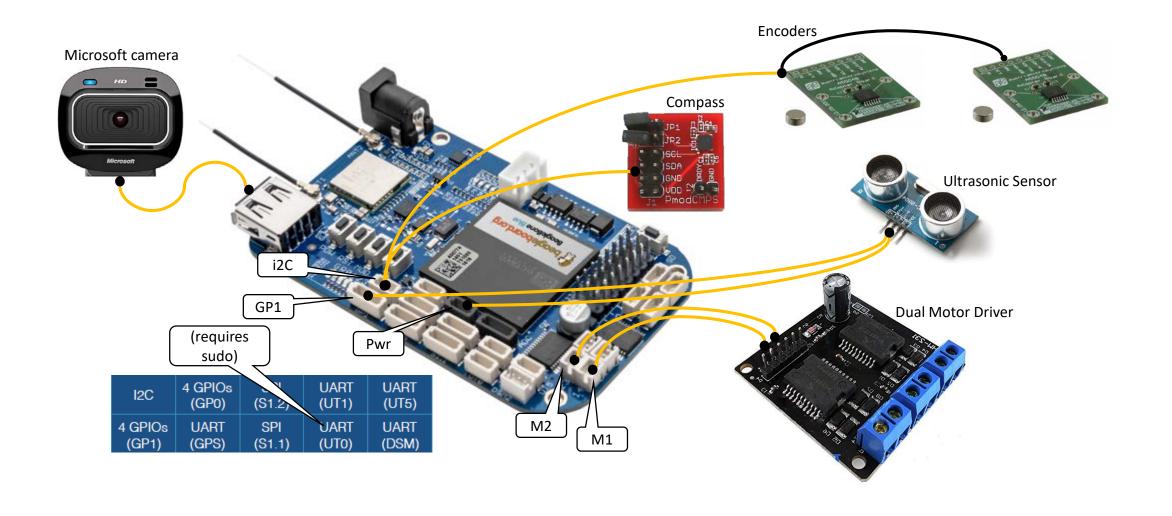
All images of this style are copied directly from the beaglebone schematic



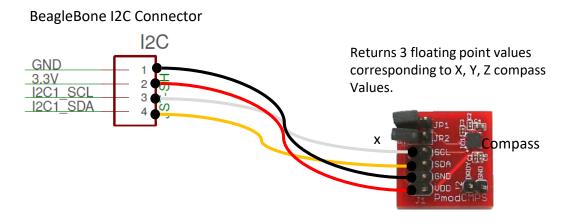




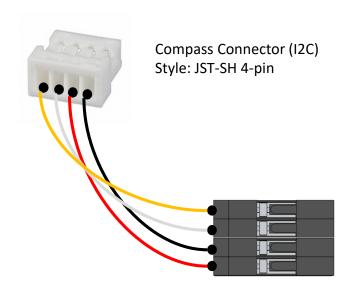
### All Sensors on BeagleBone



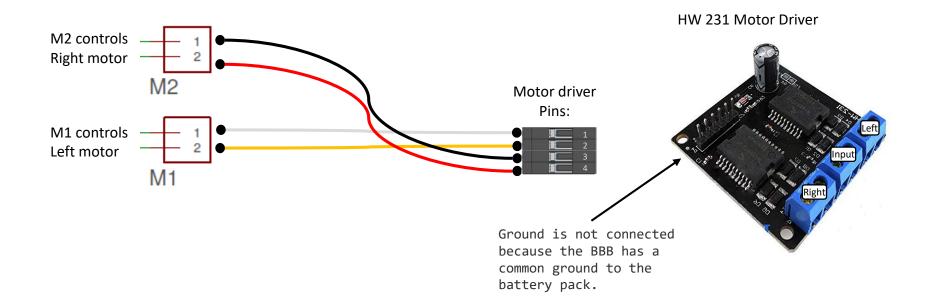
# BeagleBone to Compass (I2C)



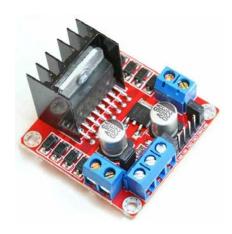
This diagram does not show encoders which couple to the same i2C bus



### BeagleBone to Motor Driver (PWM)

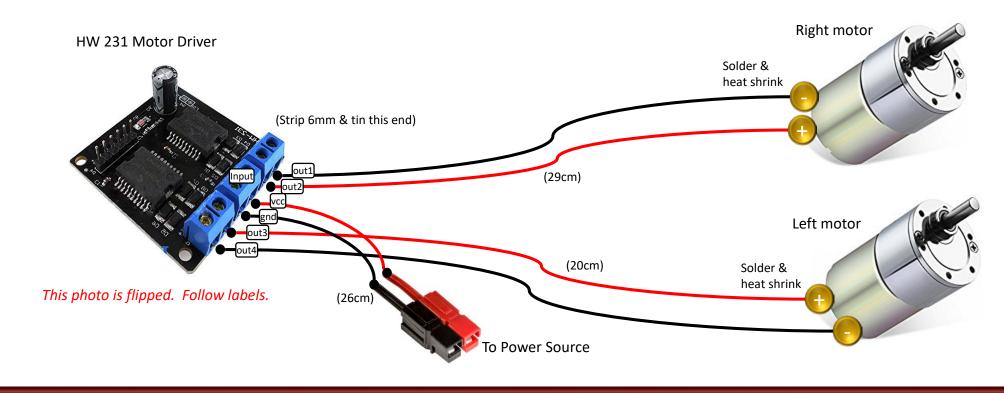


#### L298N Motor Driver

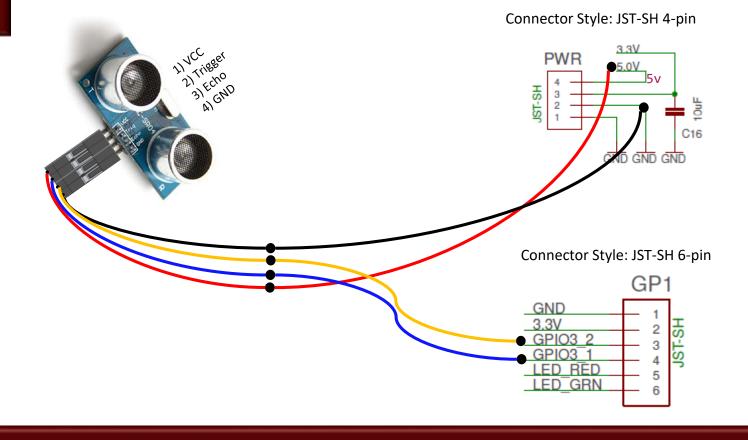


L298N is an alternative motor driver. It has less current-carrying capacity.

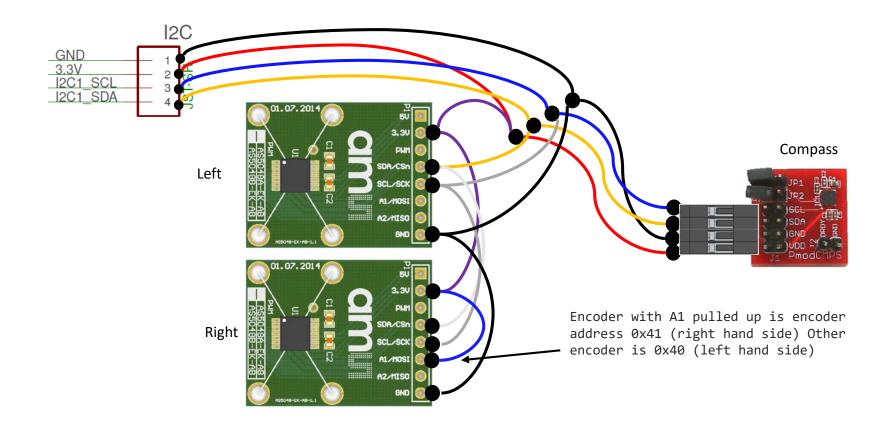
### Motor Driver Power Cables (18awg)



# Ultrasonic Distance Sensor (GPIO)



## Encoder AS5048 (I2C)



### Battery

