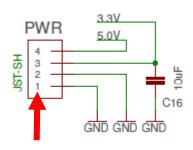
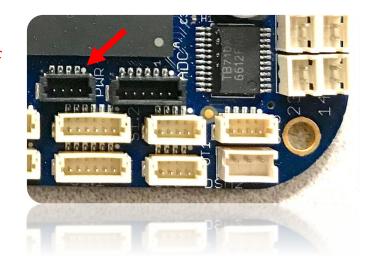
Scuttle robot Wiring Guide (rev 2019.02.06)

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"

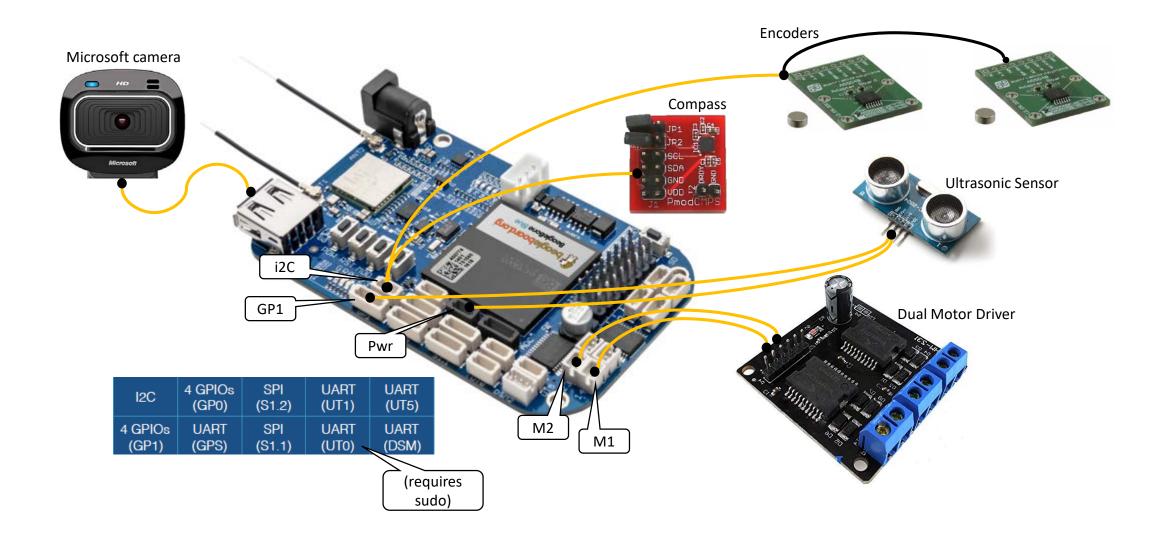
All images of this style are copied directly from the beaglebone schematic





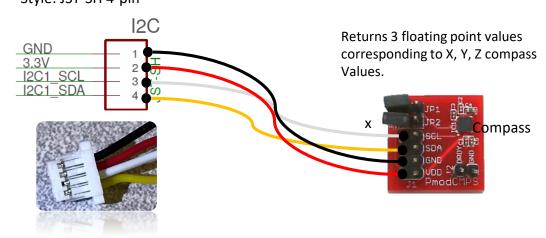


All Sensors on BeagleBone

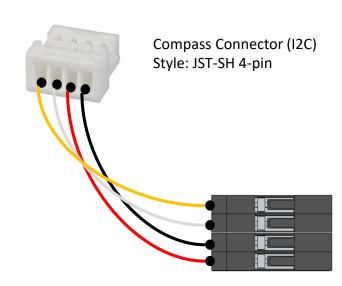


BeagleBone to Compass (I2C)

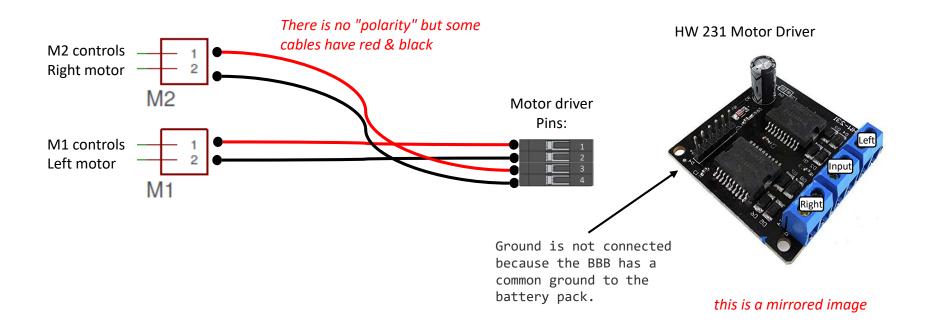
BeagleBone I2C Connector Style: JST-SH 4-pin



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



BeagleBone to Motor Driver (PWM)

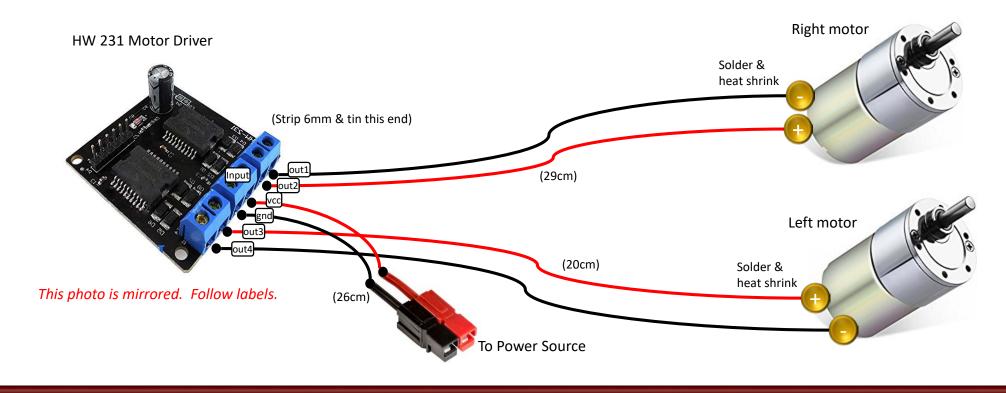


L298N Motor Driver

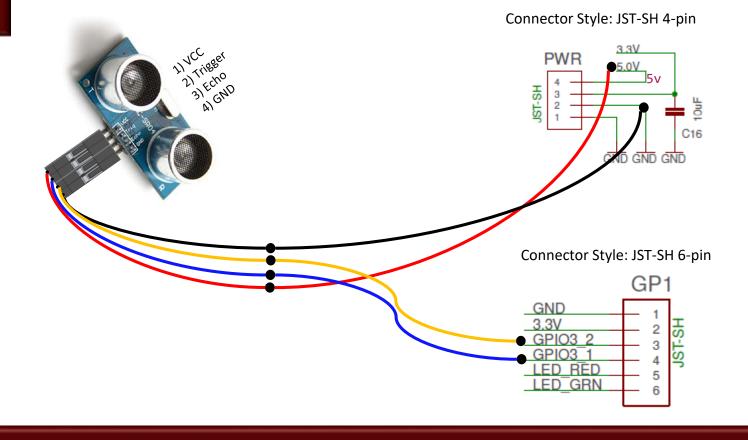


L298N is an alternative motor driver. It has less current-carrying capacity.

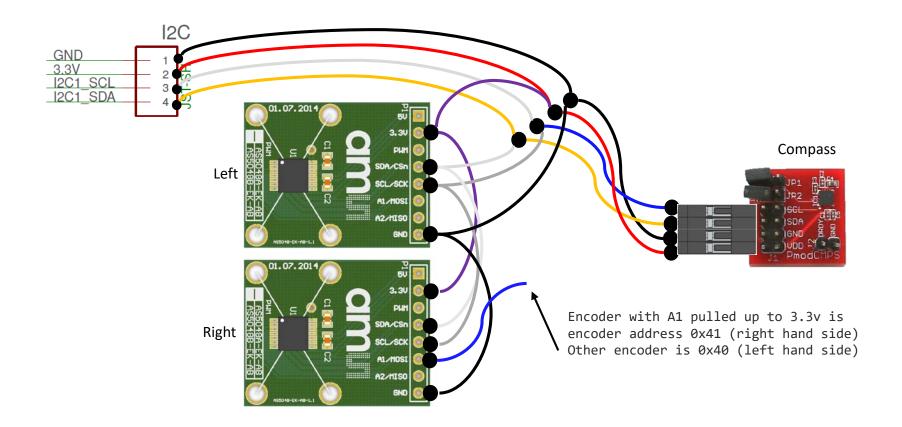
Motor Driver Power Cables (18awg)



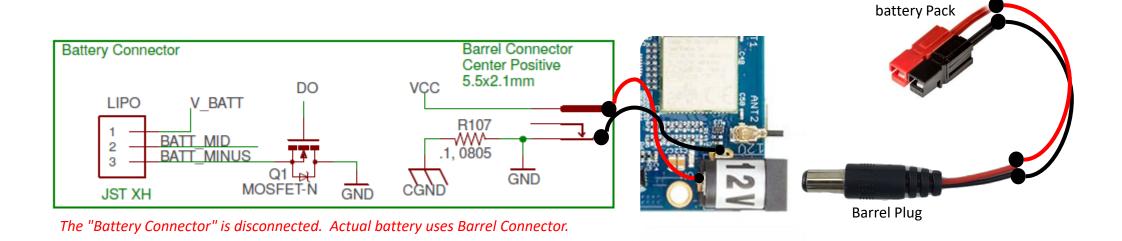
Ultrasonic Distance Sensor (GPIO)



Encoder AS5048 (I2C)



Battery



Connects to