Client Wireless Serial Module Schematic(s)

Xbee Wireless Serial Interface

Vbat

Rx 0 ⇅ Tx 1

Arduino Pro Mini 16MHz@5V Ed.

DIP Switch to GND
4
5
6
7
8
9

A1

SCL
SDA

Trigger 2
Echo   3

A0

Battery Voltage Divider Sensor R-R ~1k Ohms

LSM9DS0 Accelerometer Magnetometer

HS-SR04 UltraSonic Distance Sensor

PSI Voltage Sensor

Key: '0' , 'A0', Sxx   - Arduino Pin Number Assignments
       Green   - Hopper Only Hardware (no DIP pins Grounded)
       Orange   - Tank Only Hardware   (only DIP pin 4 Grounded)
       DIP Switch   - Internal Pull-up Jumper Pins for Wireless-ID Assignment