Client Wireless Serial Module Schematic(s)

DIP

Switch

to GND

Tx 1

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

4

5

6

7

8

9

Trigger 2

Echo 3

SCL

SDA

Rx 0

A0

A1

Xbee Wireless Serial Interface

Arduino Pro Mini 16MHz@5V Ed.

Vbat

Battery Voltage Divider Sensor

R-R ~1k Ohms

HS-SR04 UltraSonic Distance Sensor

LSM9DS0 Accelerometer Magnetometer

PSI Voltage Sensor