

TO ADD:

- 4 pins for the magnetometer
- 4 pins for the accelerometer/gyro
- 4 pins for imu razor? (tx2, rx2, 3.3v, gnd)
- how many pins for the bidirectional signal converter? (5v, gnd, signal1in, signal1out, signal2in, signal2out)
- battery power consumption (and current charge)
- communication

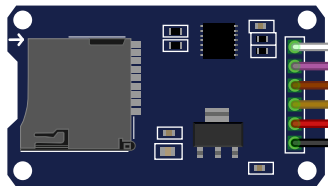
RED - 5v >
ORANGE - 3.3v
BLACK - gnd
YELLOW - digital signal
GREEN - analog signal
BLUE - SDA
PINK - SDL
GREY - arduino's RX
CYAN - arduino's TX
PURPLE - SCK
BROWN - MOSI
OCHRE - MOSO
WRITE - CS

Rudder Servo

Brushless Motor

E585460-4121
E4104-L58-1
2000mAh 3.7V

E603450 7B20
E7B02-D60-1
1100mAh 3.7V



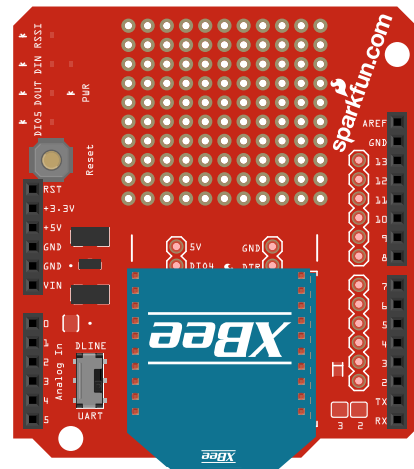
Anemometer

IMU RAZOR 9DOF

GPS EM506

IMU GY-80

Wind vane ground
(blk) and signal (green)
pins



gear - 34
throttle - 35
aileron - 36
battery - red and black

