DOWNSIDE

UPSIDE

M1

ESC1Vout-/M1Vin-
M1 Signal
ESC1Vout+/M1Vin+

Sig out | Vin-
ESC1
GND PWM In | Vin+

14.8V-
14.8V+

POWER DISTRIBUTION BOARD

14.8V-
14.8V+

Vin- | Sig out
ESC2
Vin+ | GND PWM In

M2

ESC2Vout-/M2Vin-
M2 Signal
ESC2Vout+/M2Vin+

GND PWM In | Vin-
ESC4
Sig out | Vin+

14.8V-
14.8V+

14.8V-
14.8V+

Vin- | GND PWM In
ESC3
Vin+ | Sig out

ESC4Vout-/M4Vin-
M4 Signal
ESC4Vout+/M4Vin+

M4

14.8V-   14.8V+

**4SLi-Po
battery**

M3

ESC3Vout-/M3Vin-
M3 Signal
ESC3Vout+/M3Vin+

COMMON GND

M1 PWM
M4 PWM
M3 PWM
M2 PWM

GND 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13

PWMCh1
PWMCh2
PWMCh3
PWMCh4
PWMCh5

Ch1 Ch2 Ch3 Ch4 Ch5 GND

Vin
LSM9DS1
SCL   SDA   GND

I2C Clk
I2C Data

ARDUINO UNO REV.3

FS-IA6

Vin

A0 | A1 | A2 | A3 | A4 | A5 | +3v3 | +5v | Vin | GND | GND

**NiMH
Battery**

6V+

6V-

**Arduino UNO
Power Jack**