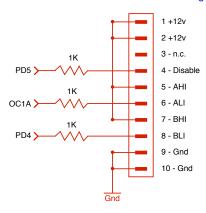
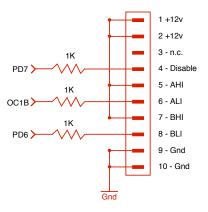
+5V 10K RST ZM33064 ATMega8 32 pin TQFP SMD Reset VCC PB5 (SCK) PB5 Gnd PC6 (Reset) 16 PB4 **ICSP** (MISO) PB4 PB3 22p 15 (MOSI) PB3 +5V XTAL2 Gnd (OC1B) PB2 8.0 Mhz **PWM** OC1A 13 (OC1A) PB1 XTAL1 330 22p (ICP1) PB0 Gnd Heart Beat 100n 22 **GND** ADC7 LED 19 ADC6 ADC6 **IMU** ADC5 VCC (ADC5) PC5 ADC4 Analogue 100n (ADC4) PC4 GND Inputs ADC3 (ADC3) PC3 ADC2 (ADC2) PC2 25 VCC ADC1 24 (ADC1) PC1 Steering / Current Inputs 100n 21 23 ADC0 (ADC0) PC0 10uH **AGND** +3.3V Gnd PD7 (AIN1) PD7 **AVCC** PD6 10 H-Bridge (AINO) PD6 PD5 Control Lines (T1) PD5 **AREF** PD4 (XCK/T0) PD4 TX Speed Sensor PD1 (TXD) PD3 (INT1) PD3 Serial I/O RX PD0 (RXD) PD2 Inputs (INTO) PD2

2x5 Header - Motor H-Bridge

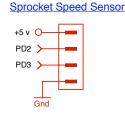


2x5 Header - Steering H-Bridge



Swarm-Orb Motor Control Module

Drawing Rev 1.0 4-May-2007 Petey the Programmer



Gnd

Voltage divider limits

input to +3.3v

Motor Current Sensor



