16X2 ALPHANUMERIC LCD +5V MOTOR DRIVER GND SENSB OUT4 SENSA OUT3 ENB 6 12 10 7 ENA 22 23 24 25 26 27 28 RESET PC0/SCL OUT2 IN3 PC1/SDA 13 12 IN2 PC2/TCK OUT1 XTAL1 IN1 PC3/TMS VCC XTAL2 PC4/TDO PC5/TDI PA0/ADC0 39 L298 PA1/ADC1 PC6/TOSC1 29 PA2/ADC2 PC7/TOSC2 +5V 37 PA3/ADC3 DC MOTOR BAT1 PA4/ADC4 PD0/RXD 15 16 PA5/ADC5 PD1/TXD PD2/INT0 PA6/ADC6 17 PA7/ADC7 PD3/INT1 BUZ1 18 PD4/OC1B 2 19 PB0/T0/XCK PD5/OC1A 20 PB1/T1 PD6/ICP1 21 PD7/OC2 PB2/AIN0/INT2 PB3/AIN1/OC0 PB4/SS PB5/MOSI 32 30 PB6/MISO AREF AVCC PB7/SCK ATMEGA32 GATE UP GATE DOWN MANUAL AUTO SW-SPDT SW-SPDT SW-SPDT TestPin moz.stoejorgeringProjects.com **SONAR** ULTRASONIC SENSOR