



1. AN02-SONAR FNT GROUND, 5V, SIGNAL
2. AN03-SONAR BCK GROUND, 5V, SIGNAL
3. AN04-BUMP SENSOR GROUND, 5V, SIGNAL
4. D7-PAN 5V SUPPLY FROM RELAY
5. D6-TILT 5V SUPPLY FROM RELAY
6. D5-PWM LEFT
7. D4-PWM RIGHT
8. D47/D49-ENCODER SIGNAL

DATA UART located on the Arduino shield is used for the serial connection that runs through the metal pole to the laptop.

It has 3 wires a TX, RX and GND connection

D52 is used for the encoder buffer for SPI control and has connections ALL SIGNAL

MISO (Master In Slave Out) - The Slave line for sending data to the master,
MOSI (Master Out Slave In) - The Master line for sending data to the peripherals,
SCK (Serial Clock) - The clock pulses which synchronize data transmission generated by the master

Ground

5V