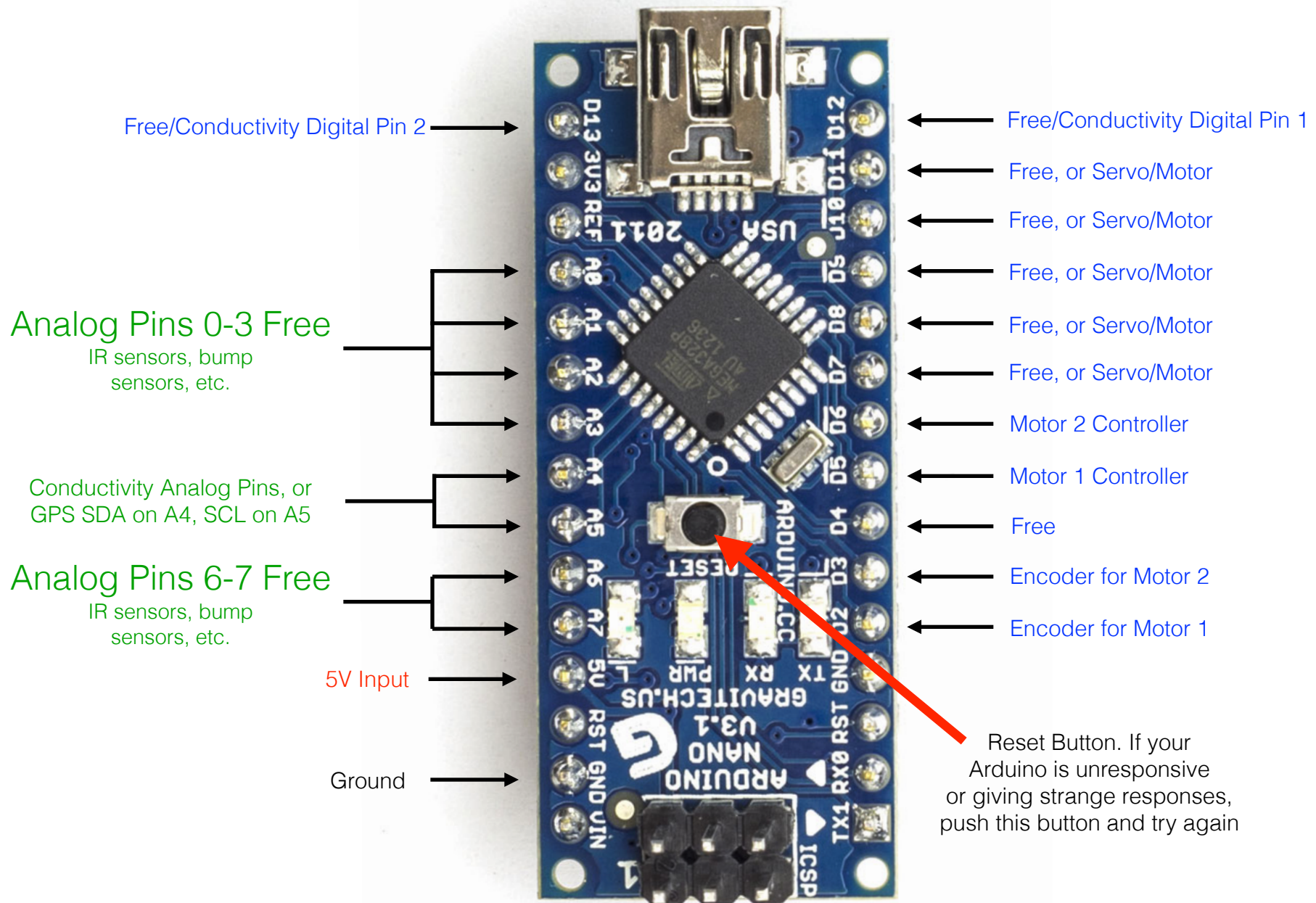
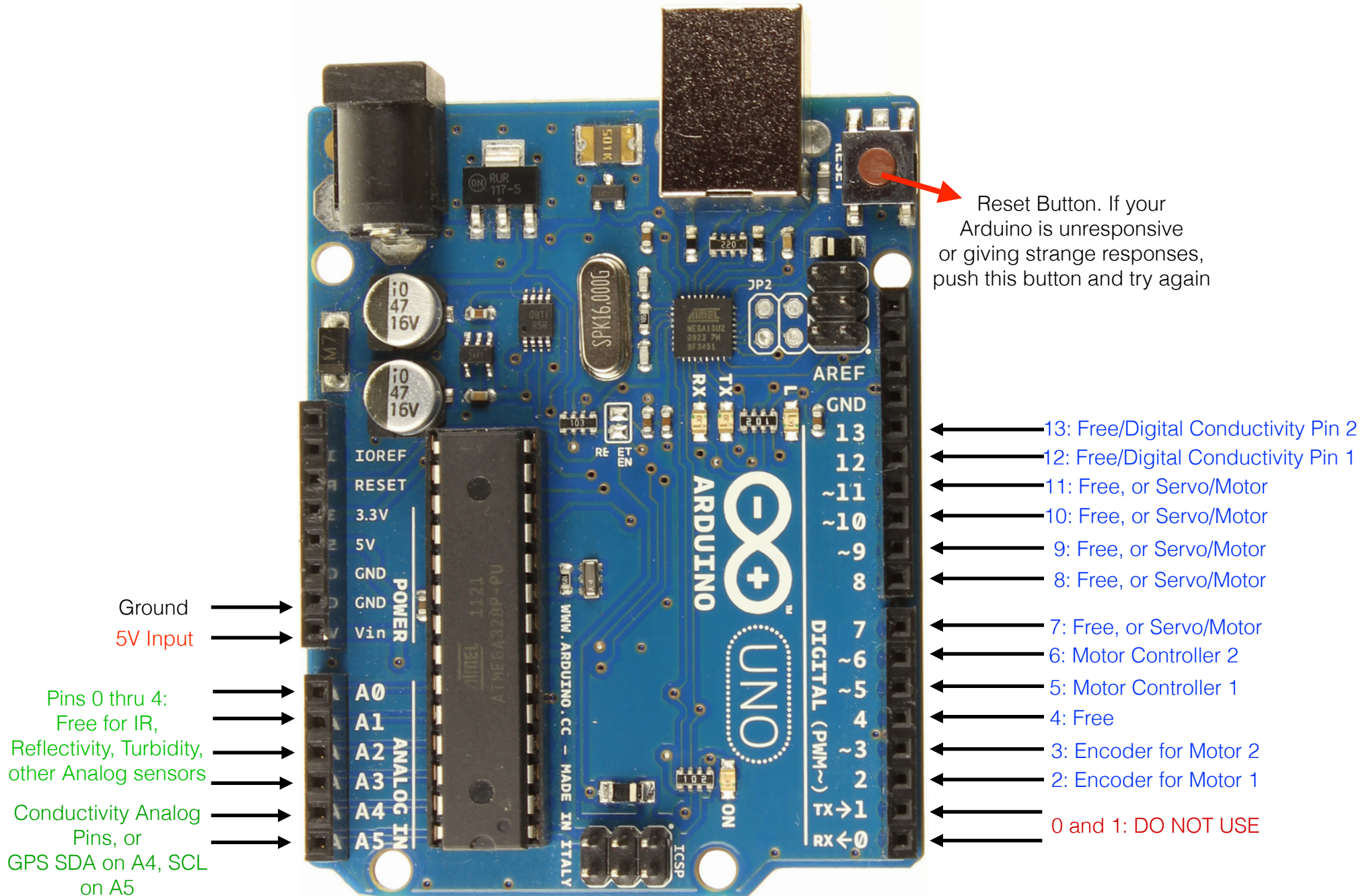


# Arduino Nano Pinout Guide



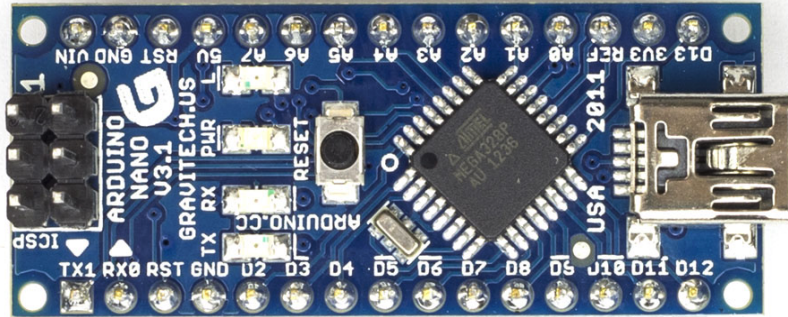
# Arduino Uno Pinout Guide



This has the same pin layout as the Nano, but with 2 less analog pins



# How to connect a motor

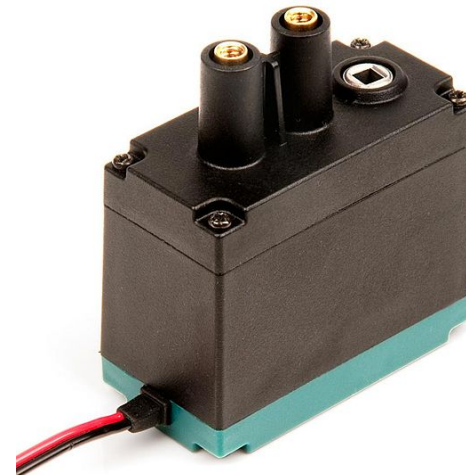


Motors are the ONLY component that receives 12V power. Everything else receives 5V.

White Wire: Digital Pin 5, 6, 7, or 8  
Orange Wire: 12V Power  
Black Wire: Common Ground



Vex Motor Controller

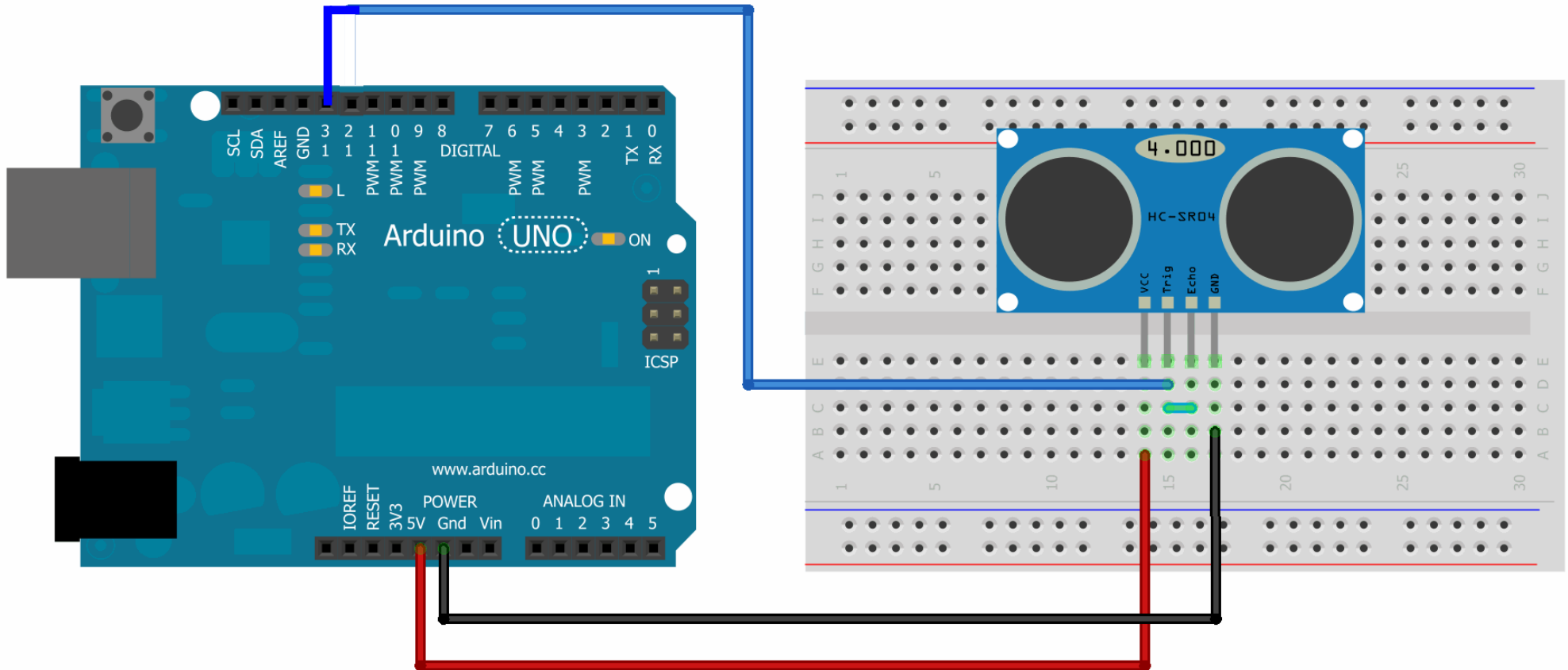


Vex Motor

Connect the 2-wire end from the motor controller with the 2 motor wires

# How to connect a 4-pin ultrasonic sensor.

For a 3-pin sensor, simply connect the SIG line into a free digital pin



Power should come from a regulated 5V supply, not from the Arduino directly. This is simply a demonstration.