Main PCB

The PCB contains the Arduino along with all IC’s connected to it.

The PCB revies a 5V input from the “2nd PCB” via the “J1” screw terminal.

A Multiplexer is used to connect the combined input/output pins of 8 different ultrasonic sensors to a single pin on the Arduino.

Note:

\*We plan to connect the Arduino using female connectors that we solder to the PCB. This leave space for a resistor under the Arduino.

\*The I2C pins connect to modules that contain build in pullup resistors

\*The pins IN1-4 are digital