Receiver:

Channel 1: yellow -> pin 13 on Arduino

Channel 2: grey -> pin 12 on Arduino

Power: purple -> 5v row on breadboard, blue -> GND row on breadboard

Motors:

* GND: black wires both connected to 3rd wire which connects to GND row on breadboard
* Blue wires both connected to 3rd (green) wire which connects to 3.3v pin on Arduino

Left:

* Red wire connected to OUT4 on h-bridge
* White wire connected to OUT3 on h- bridge
* Yellow wire connected to 18TX1 pin on Arduino
* Green wire connected to 19RX1 pin on Arduino

Right:

* Red wire connected to OUT1 on h-bridge
* White wire connected to OUT2 on h- bridge
* Yellow wire connected to 21SCL pin on Arduino
* Green wire connected to 20SDA pin on Arduino

H-Bridge

* Orange wires:
  + ENA -> pin 8 on Arduino
  + IN1 -> pin 7 on Arduino
  + IN2 -> pin 6 on Arduino
* Red wires:
  + ENB -> pin 5 on Arduino
  + IN4 -> pin 4 on Arduino
  + IN3 -> pin 3 on Arduino
* GND:
  + one connected to GND row on breadboard, the other connected to GND wire on 12v battery
* 5v:
  + red wire connected to 2 white wires, one of which connects to 5v row on breadboard, other connects to all of the VCC wires on the sonars
* 12v:
  + red wire connected to Power wire (red) on 12v battery

Sonars:

* All 3 black wires connected to another black wire that connects to the GND pin on Arduino
* Left:
  + Green: connects to pin 52 on Arduino
  + Blue: connects to pin 51 on Arduino
* Front:
  + Green: connects to pin 50 on Arduino
  + Blue: connects to pin 49 on Arduino
* Right:
  + Green: connects to pin 48 on Arduino
  + Blue: connects to pin 47 on Arduino

Arduino:

* blue wire comes from 5v and goes to + row on breadboard

white wire comes from GND (next to above mentioned blue wire) and goes to - row on breadboard