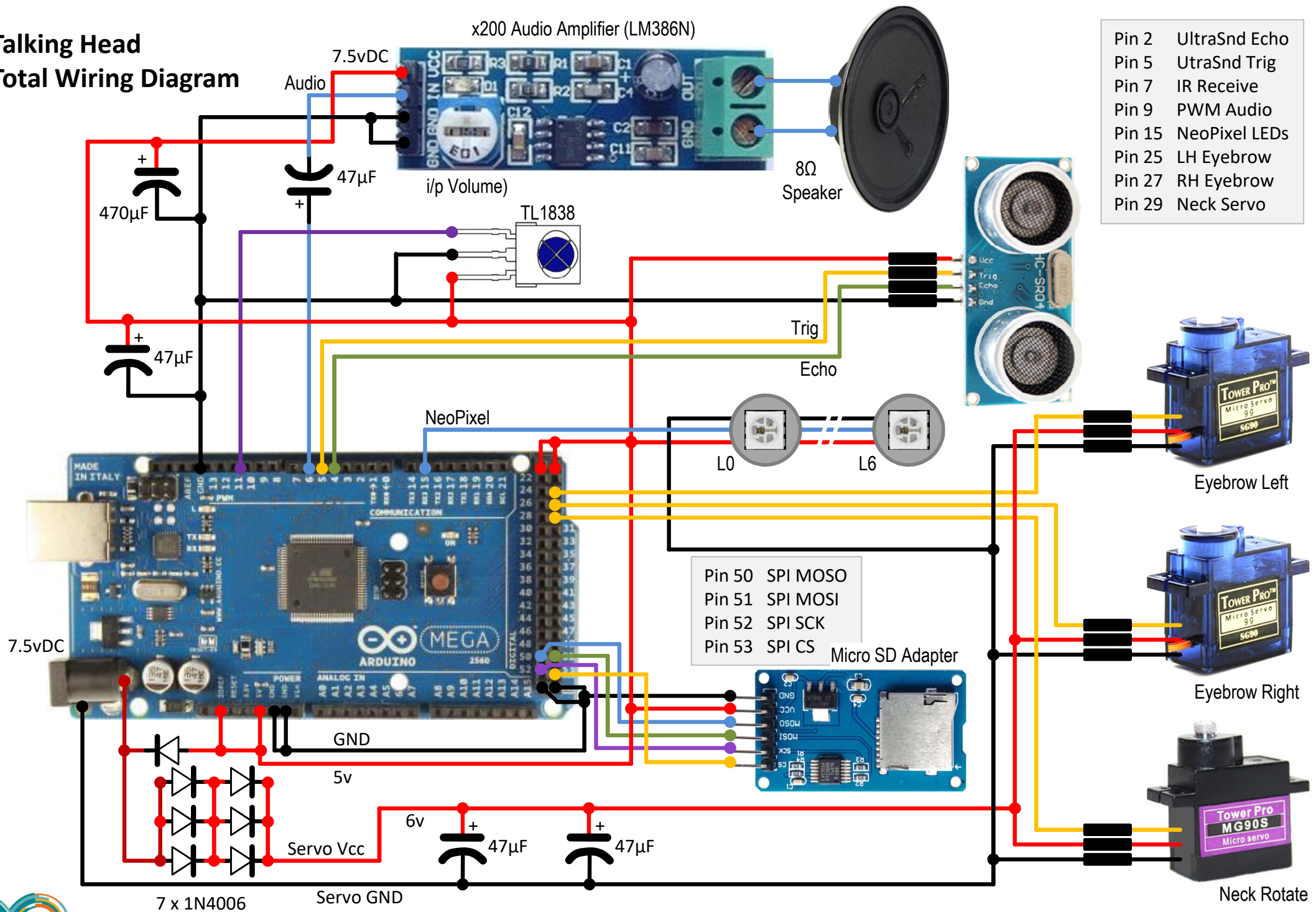


Talking Head Total Wiring Diagram

x200 Audio Amplifier (LM386N)

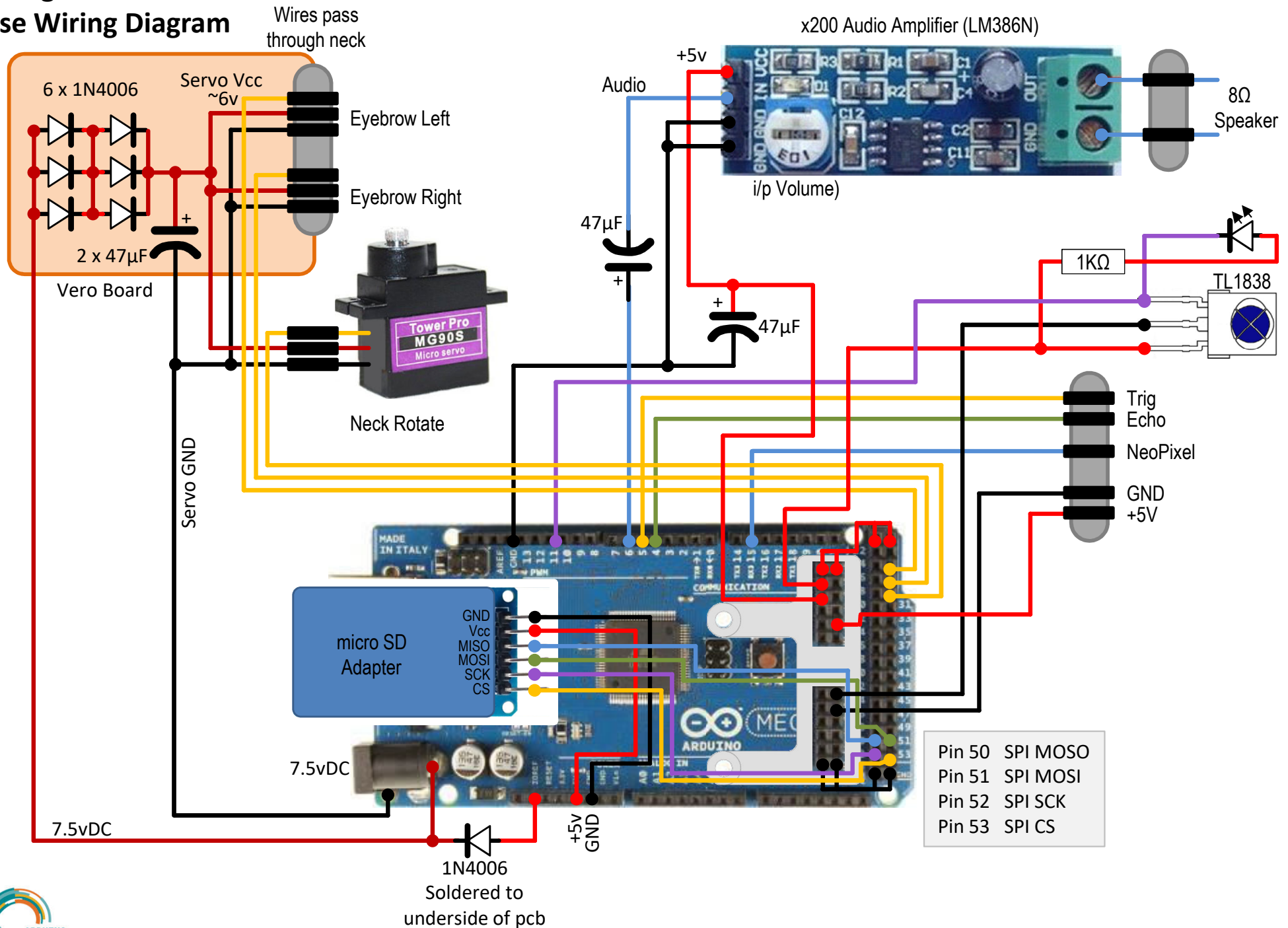


- Pin 2 UltraSnd Echo
- Pin 5 UltraSnd Trig
- Pin 7 IR Receive
- Pin 9 PWM Audio
- Pin 15 NeoPixel LEDs
- Pin 25 LH Eyebrow
- Pin 27 RH Eyebrow
- Pin 29 Neck Servo

- Pin 50 SPI MOSO
- Pin 51 SPI MOSI
- Pin 52 SPI SCK
- Pin 53 SPI CS

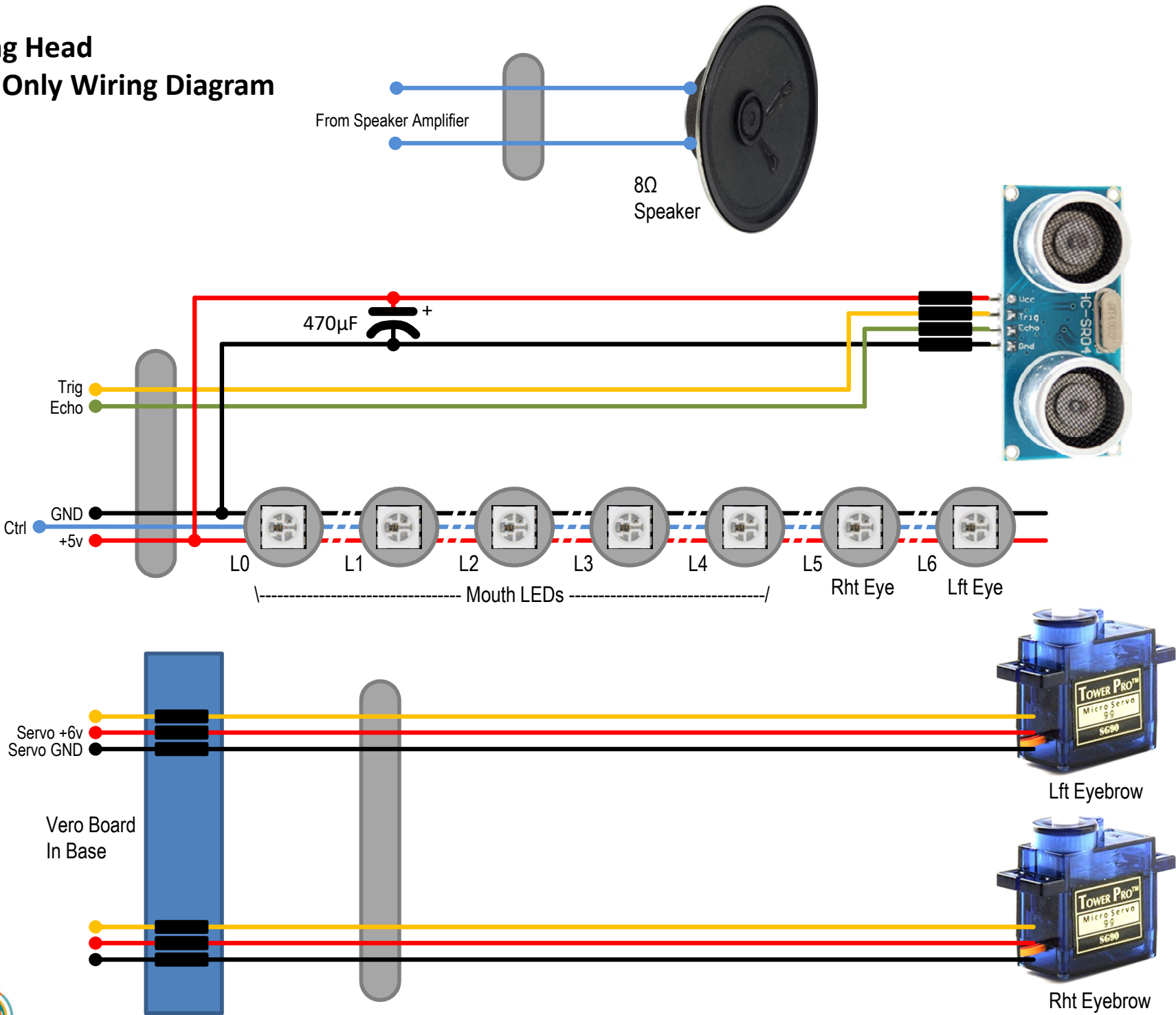
Talking Head

Base Wiring Diagram

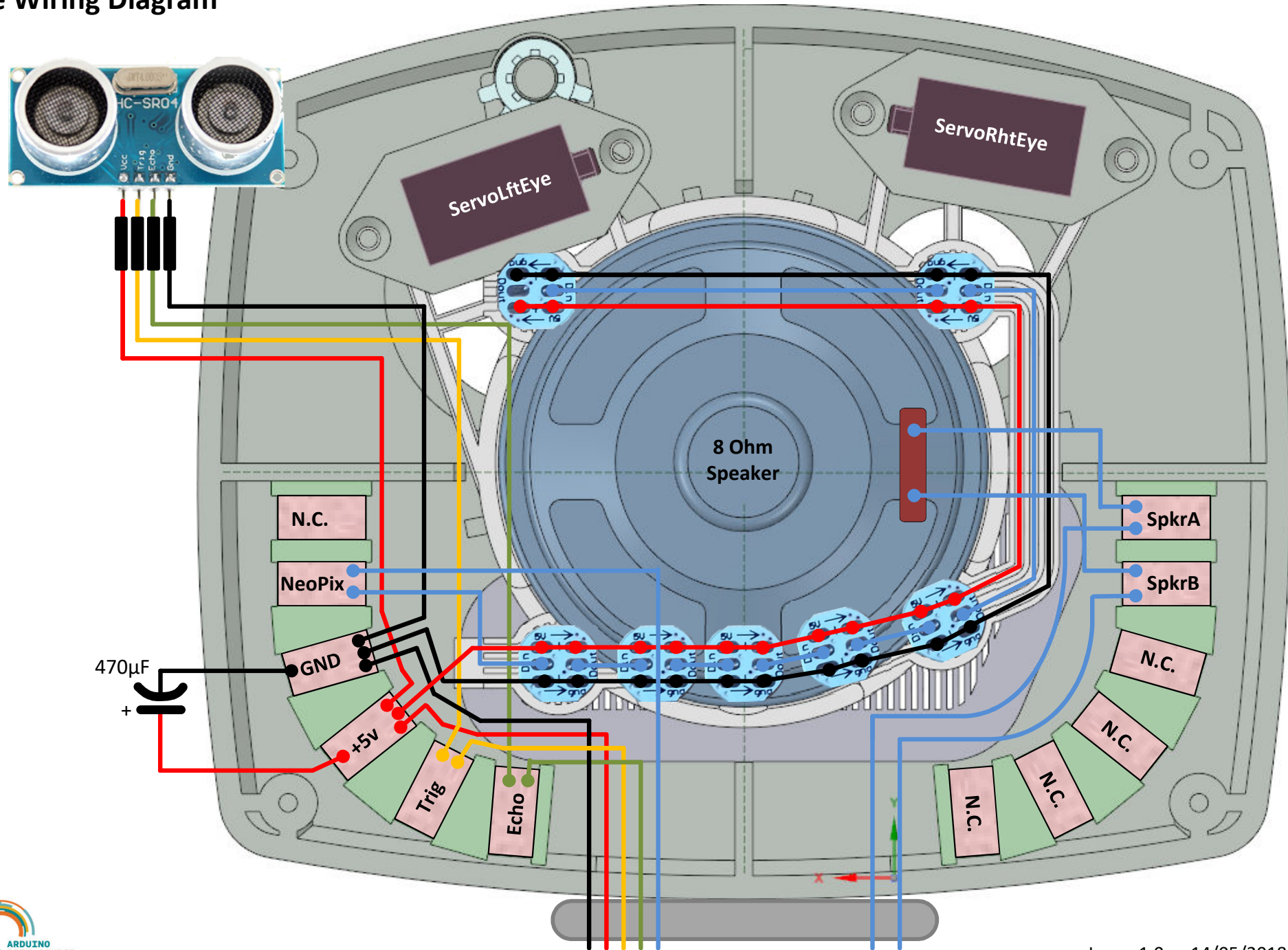


Talking Head

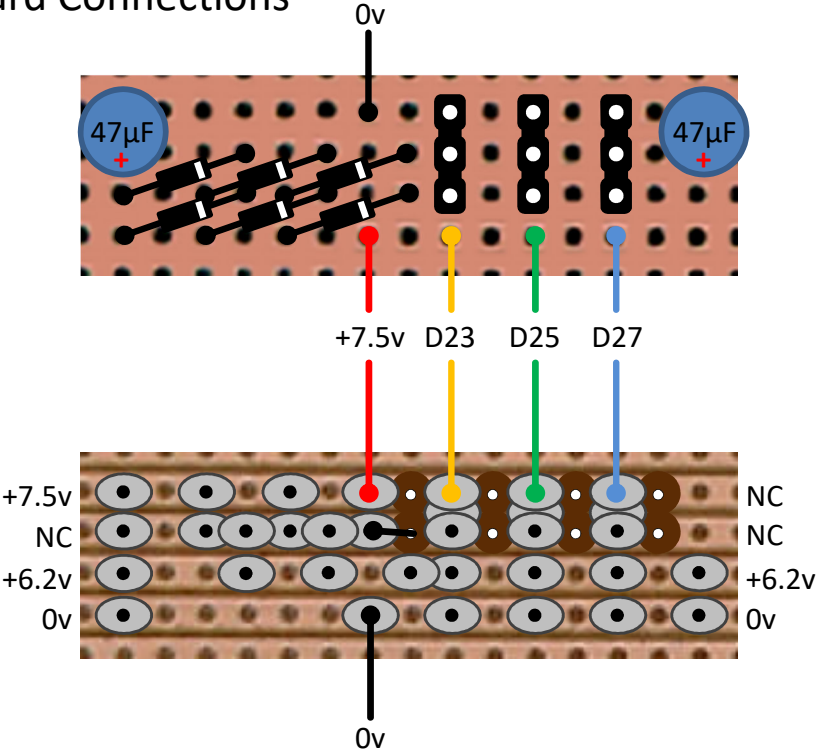
Head Only Wiring Diagram



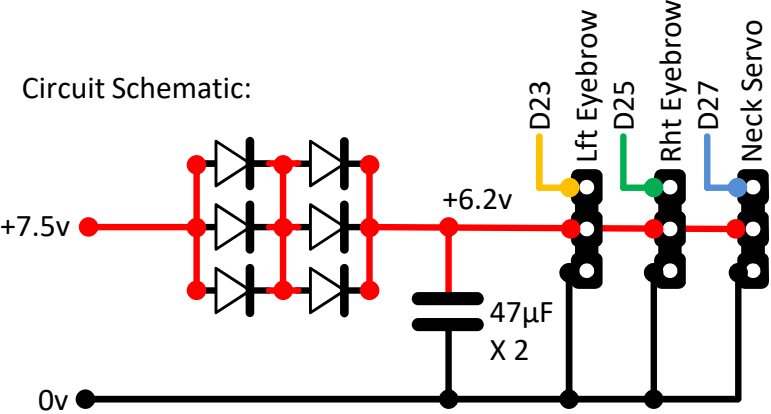
Talking Head Face Wiring Diagram



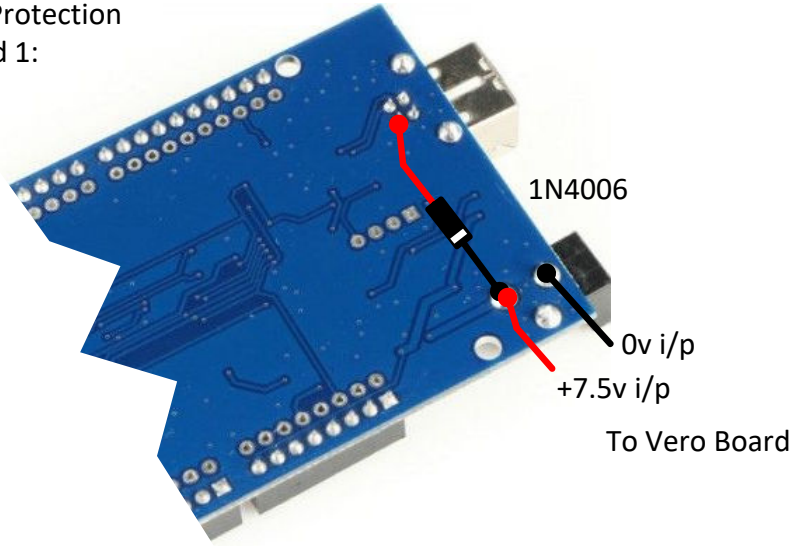
Vero board Connections



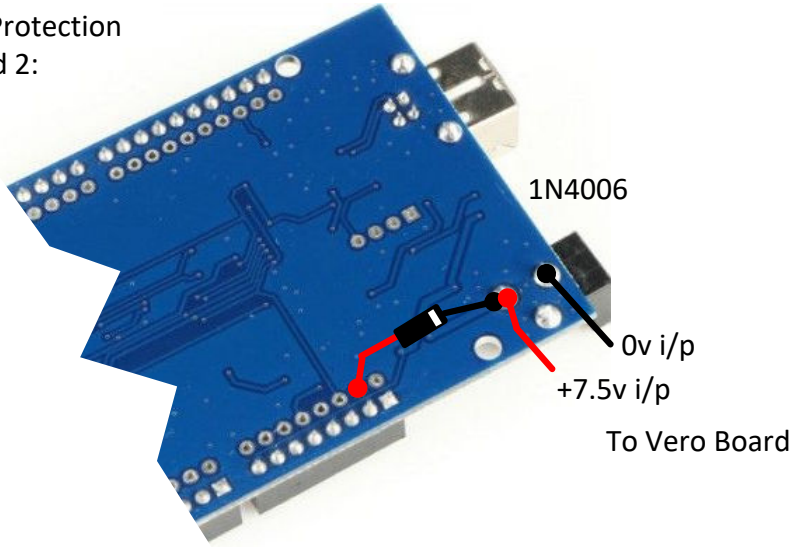
Circuit Schematic:



Diode Protection
Method 1:



Diode Protection
Method 2:



Wiring Diagram Infrared Receiver

