



### Resistors R1, R2, R3

R1,R2,R3 = 1K

### LEDs

L1, L2, L3 Can be individual LEDs, or can be a Red-Blue LED and a Green LED (common types), or can be a RGB LED (like the '4-Pin 5mm Water Clear RGB LED - Common Cathode' (Jamco PN: 2228957)). The RGB LED is recommended, as the client might use that to make a variety of colors in the future. The RGB LED pins line up with BCM GPIO 25/GND/24/23 or WiringPi 6/GND/5/4. Physical connector pins: 22/20/18/16, which makes it easy to assemble.

An RGB LED is recommended, as the client status might use the RGB combination to display different colors in the future.

### Switches

S1 is the trigger. This can also be activated using the keyboard, or from the controller socket interface.  
 S2 is the mute and test switch. Pressing it briefly will disable the microphone. A long press will run diagnostics.