

## Grateful Dead Mini Badge assembly instructions

### Parts List

Qty 1 PCB.



PCB may be green or white

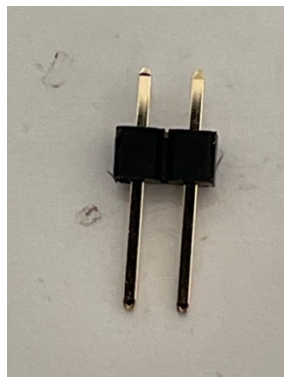
Qty 1 Resistor 2200 Ohm  
in white package



Qty 2 blue LED's



Qty 4 two pin posts



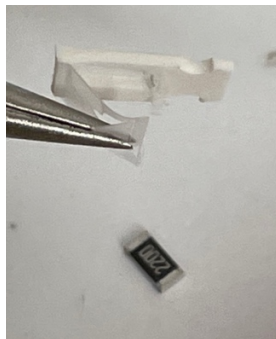
End of parts list

1. Place mini badge with pads facing up as shown.



Figure 1.

2. Open the package with the resistor it is the only one in white case. (case color applies to this kit only )



3. place on the mini badge at the location for R1 solder in place, see figure 1.



Figure 2

4. Open one of the blue led package.
5. The clear side that shows the led with the green dot on one of the leads.

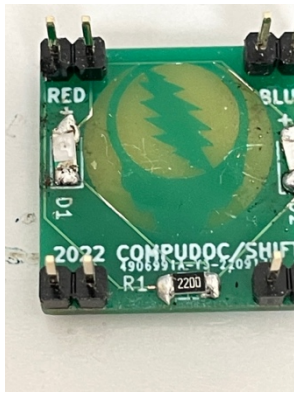


(LEDs have polarity and it matters where the green dot is placed the green dot is negative.)

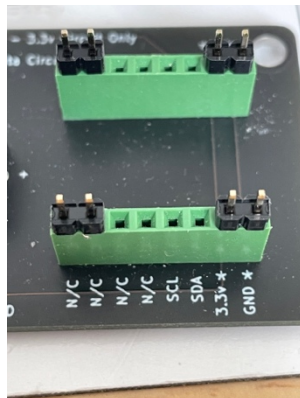
6. The LED goes **opposite** the plus sign on the board where it says blue and solder in place.



7. After you have placed the First led place the second blue LED where it says red and solder it in place, See figure 1. (There was a Problem with using two different color LEDs and one resistor so both LED's are blue so that both will light.
- 8a. Solder the pins to the board with the long end on the same side as the resistor and LEDs it does not have to be perfect to work. You will need to turn over to solder (see step 8b for an easy method next page)



8b. Optional method Placing the pins in a socket.



9b. then place the badge on top components underneath, then solder.



(A finished badge can also be used to get a socket soldered in straight)