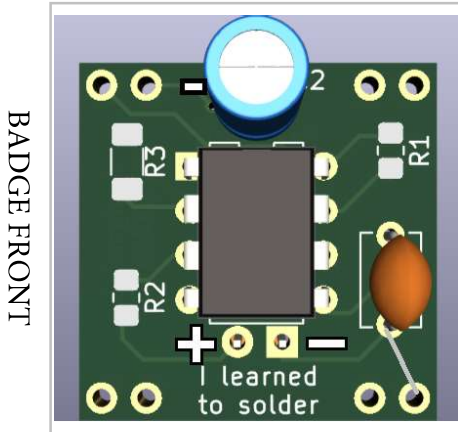


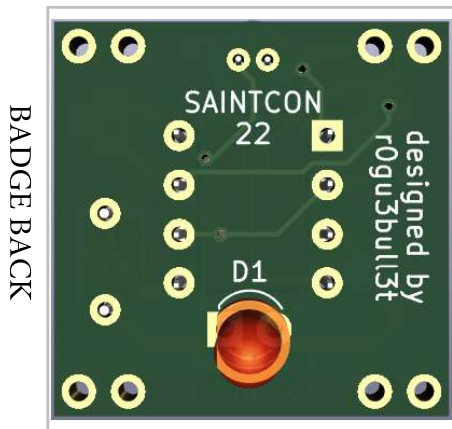
SAINTCON MINIBADGE



<BADGE NAME> I learned to solder

DESIGNED BY: Katie Lunceford - @r0gu3bull3t

This badge is primarily for the beginner soldering training. It is a 555 timer circuit with through-hole and surface-mount components.



HOW DO I GET ONE?

Attend one of the "Hot Soldering: Going With The Flow" training sessions, or talk to Katie Lunceford, aka r0gu3bull3t.

DIFFICULTY

BEGINNER

RARITY

SUPER RARE

ASSEMBLY INSTRUCTIONS:

- Start with the smallest components first; I recommend starting with stand-offs, resistors, 555 timer, ceramic capacitor, LED, then electrolytic capacitor.
- R1 & R2 are the 1k resistors in the 0805 size.
- R3 is the 10k resistor in the 1206 size.
- The LED could go on the front if you want, but I designed it to go on the back to have the backlit effect.
- There is an error in the circuit between the ceramic capacitor and the LED. You will need to add a wire from the bottom of the capacitor to the bottom right header pin as referenced by the front image.

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