Assembly Instructions for eeZeePower

Assembling your eeZee Medium Tiny is easy. And, you can learn how to solder at the same time. Review Sparkfun's Soldering Tutorial if you need to. Here's a helpful info-graphic from the tutorial:

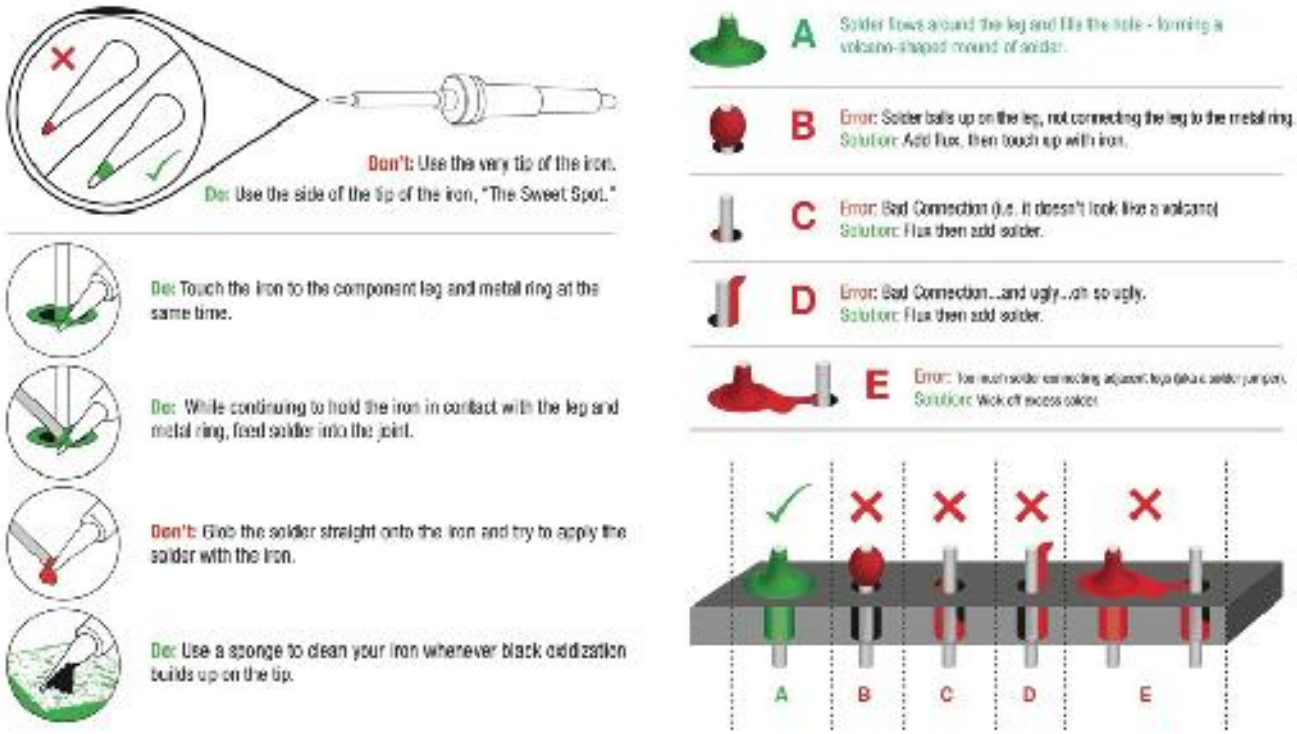

Illustration 1: https://learn.sparkfun.com/tutorials/how-to-solder---through-hole-soldering

You'll need

- Soldering iron, 40W
- Sponge to clean the iron (I recommend a brass sponge)
- Workbench with plenty of light
- Ventilation since breathing flux fumes is irritating
- Soldering surface (e.g., marble tile sample)
- Rosin core solder 0.022” or 0.032” diameter
- Kester #2331-ZX flux pen (optional)

Installing the VCC/GND Pin Headers

Start by placing a pair of 2-pin headers in a breadboard, spaced 0.4” apart (two holes between).

Place the eeZeePower board onto the pin headers, with USB connector on top

Hold eeZeePower in place and solder on the two sets of headers.

Installing the Power Selector Pin Header

Now, install the 3-pin header on the top (USB connector side) of the VU/3V3 pads.

This is kind of tricky, because there's no good way to hold it in place and you have to be careful that you don't burn your fingers while holding the 3-pin header.

I usually tack one of the outer pins in place with the board upside down.

The result is a crooked pin header. I then carefully apply pressure to an unsoldered pin while re-melting the soldered pin, and nudge the pin header to a vertical position.

Installing the Jumper

For 3.3V operation, install the jumper across the 3V3 and center pins of the 3-pin header.

To power directly from the USB connector's VUSB pin, place the jumper across the VU and center pins of the 3-pin header.