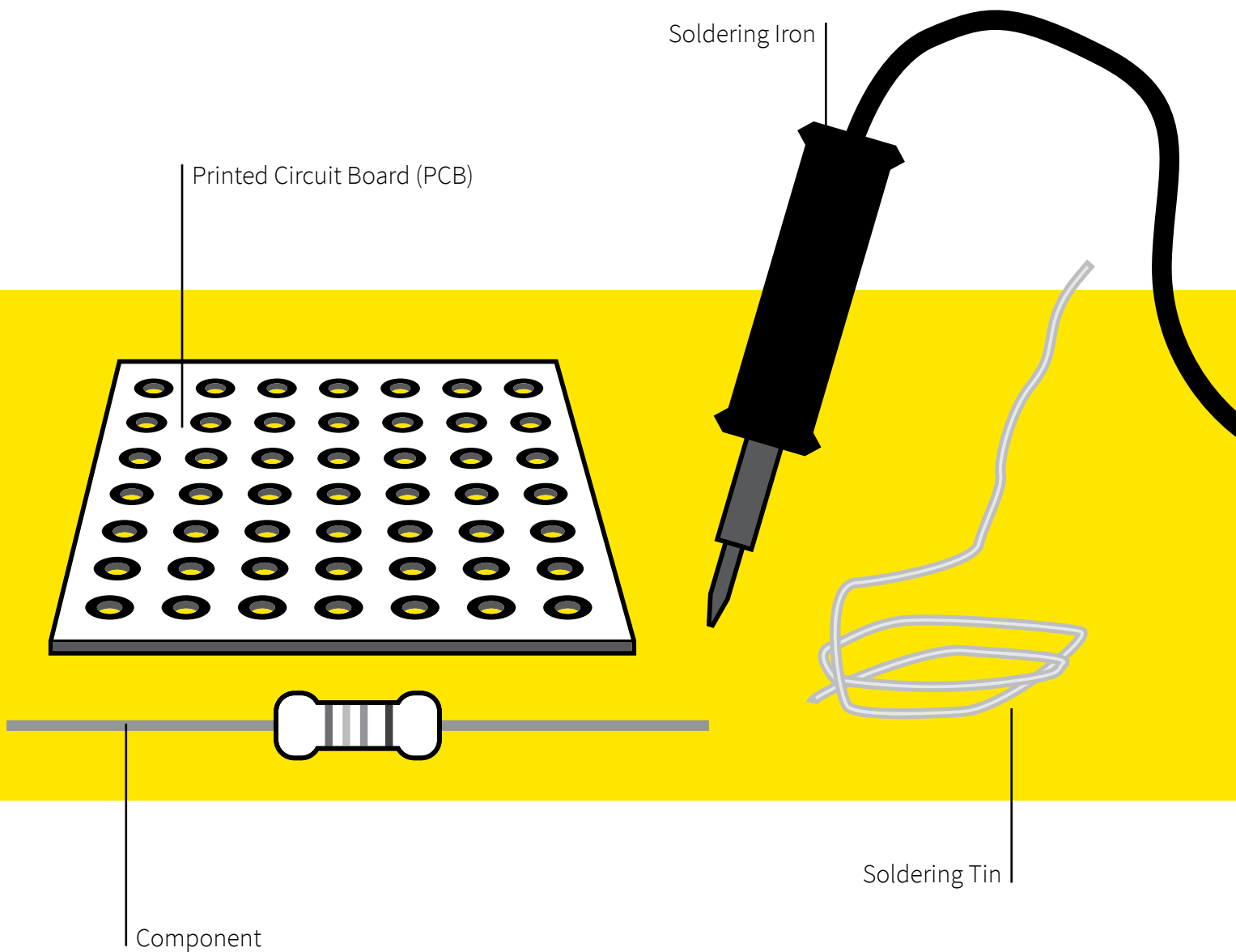
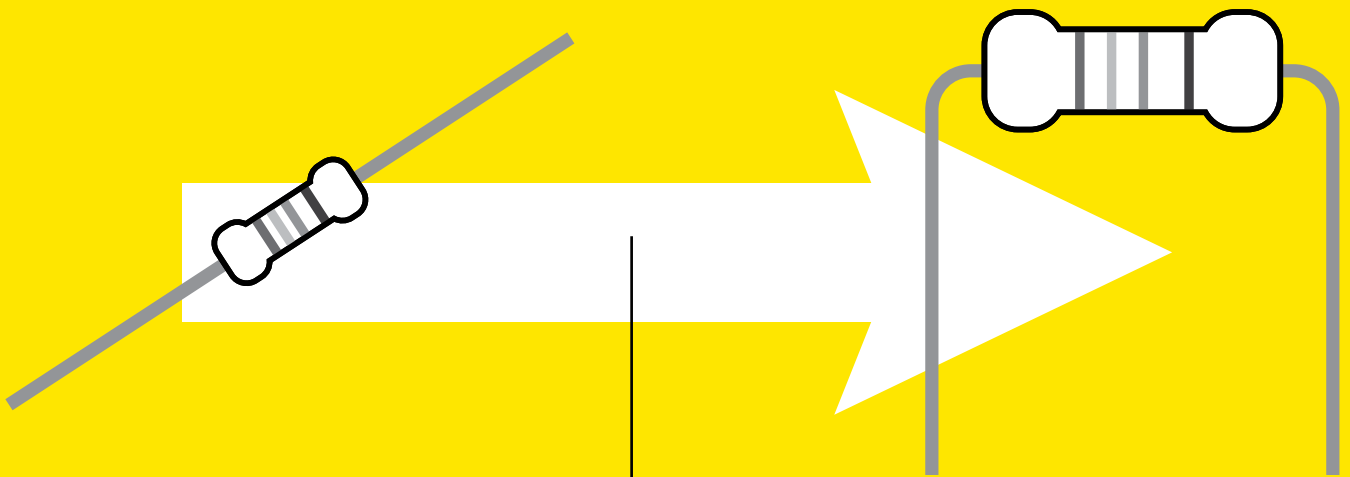


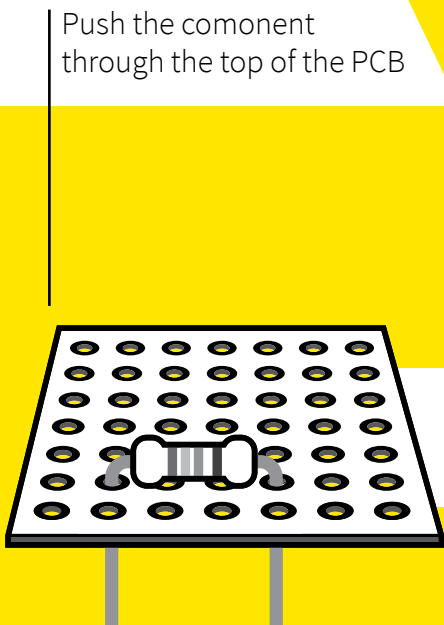
HOW TO SOLDER



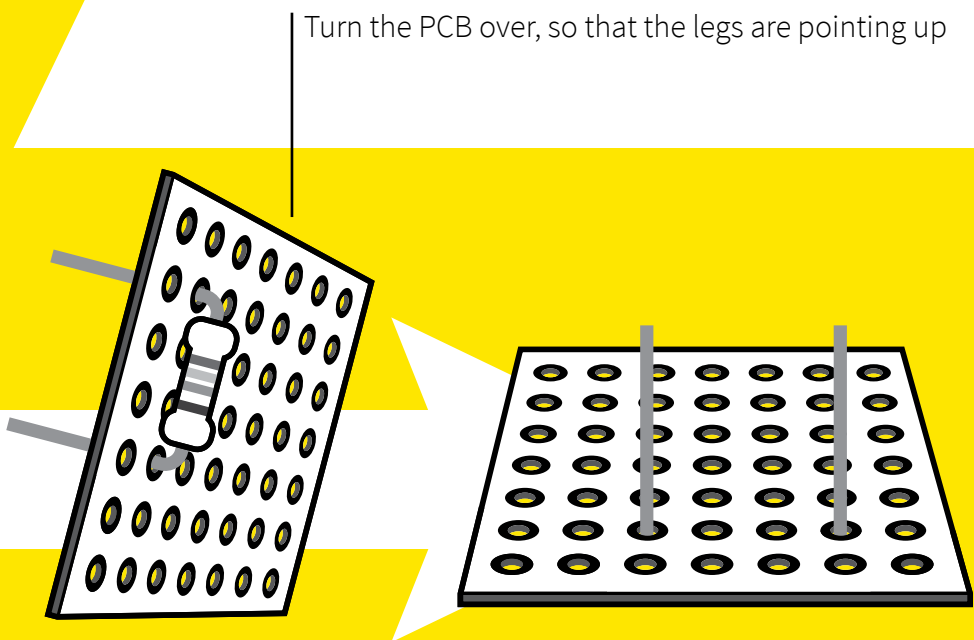
STEP 1: PREPARATION



Bend the legs of the component if necessary



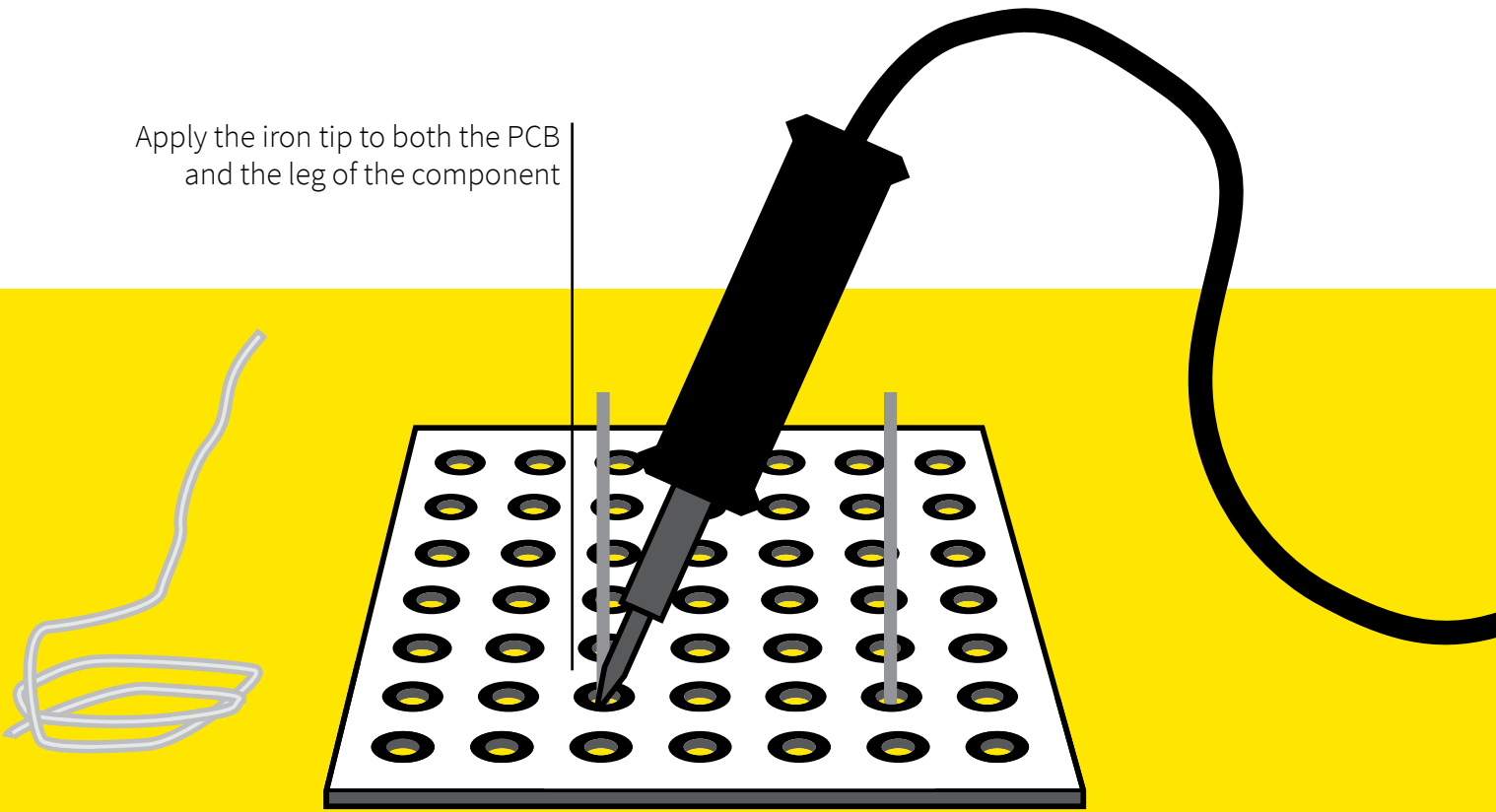
Push the component through the top of the PCB



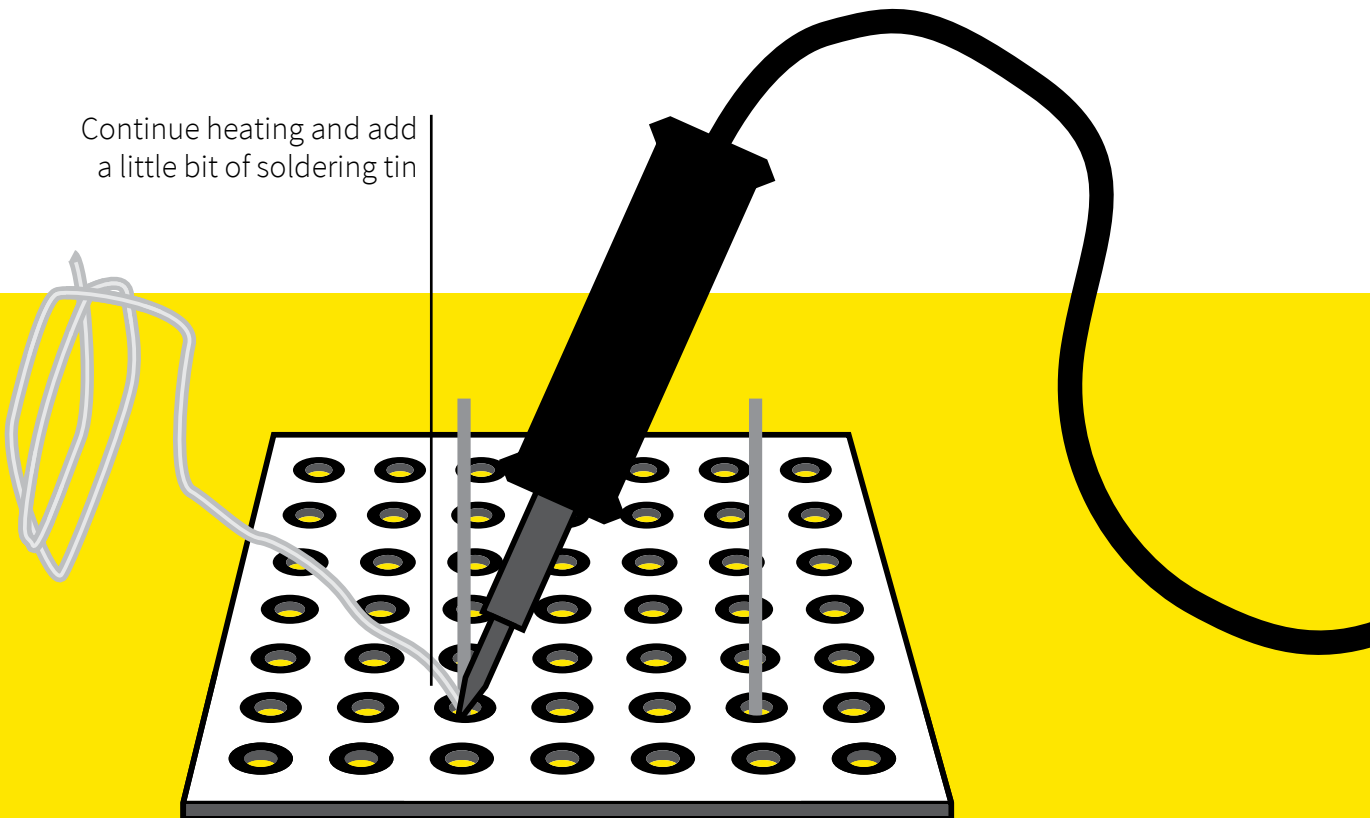
Turn the PCB over, so that the legs are pointing up

STEP 2: SOLDER

Apply the iron tip to both the PCB
and the leg of the component

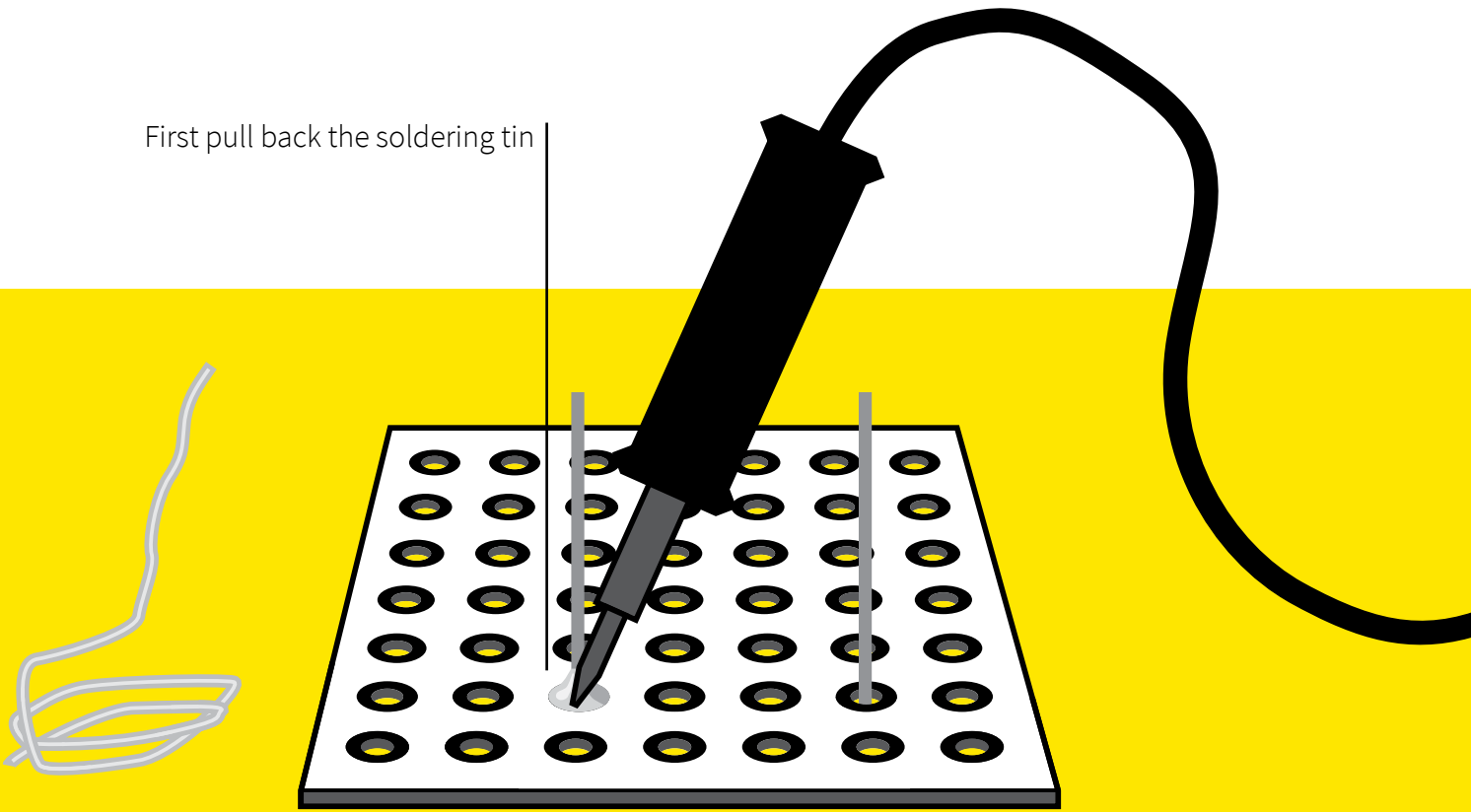


Continue heating and add
a little bit of soldering tin

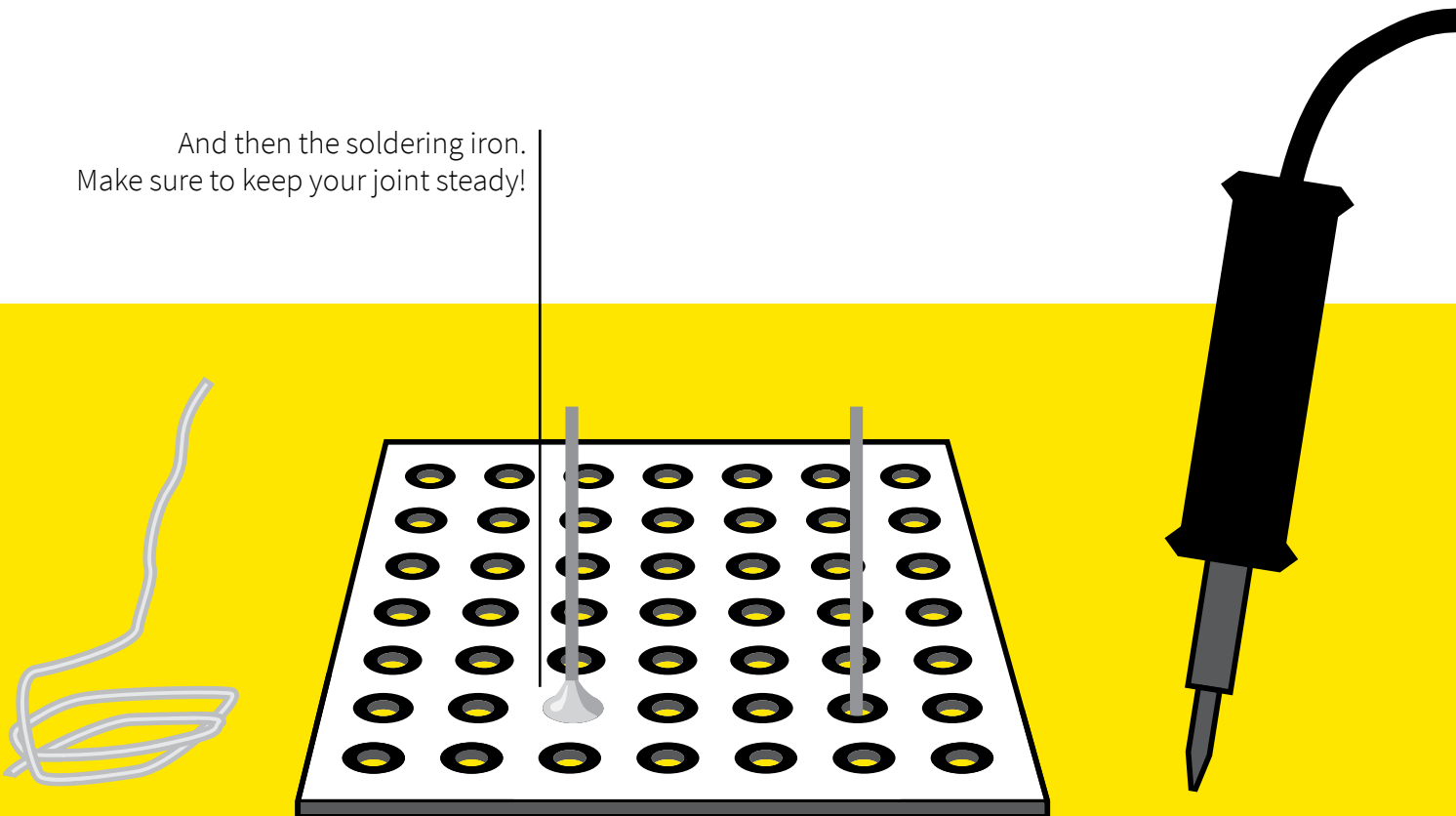


STEP 3: FINISH

First pull back the soldering tin



And then the soldering iron.
Make sure to keep your joint steady!



STEP 4: EVALUATE

Congratulations! It only takes a few seconds to make a good joint.

Take a look at your joint to see if it is **perfect**:

A good joint looks shiny and has a vulcano type of shape, which insures maximum conducting area.

If the joint looks dull you should try to work quicker or you might have moved components during the soldering.

When you don't preheat the component and the PCB enough, the solder might not attach to one or the other. This can cause components to detach or unwanted behaviour in your circuit.

However, heating the component or the PCB too much will damage them.

