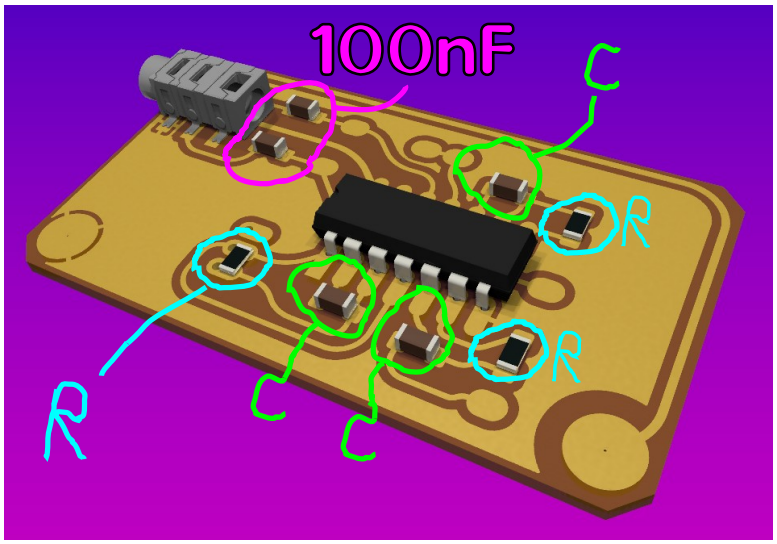
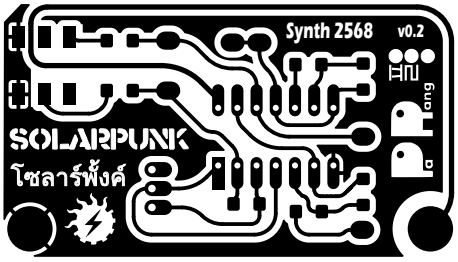
SOLARPUNK โซลาร์พังค์

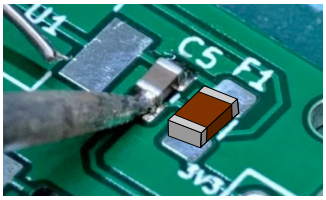
Synth





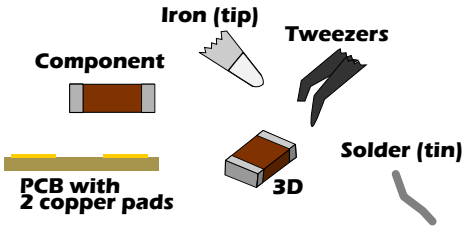
Experiment with different values, different sounds

R1 , R2 , R3:	**330 - 10kOhm**
C1 , C2 , C3:	**1µF - 10µF**

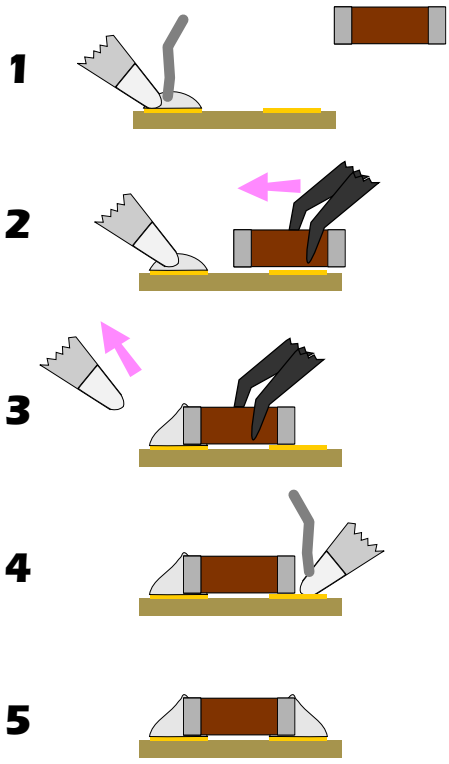


Soldering the IC-chip

Bend the legs 90° and cut to ca 2mm. Put solder on one corner first only.
Check position of IC-chip, heat and move if needed.
Now solder all the other legs. Always touch the coppen AND the pin with the tip of the soldering iron, so all is heated.



How to solder SMD components



1. Put a drop solder on one on the empty pads.
Always touch the copper with the tip.
(u can leave the component on the side somewhere)

2. Grab the component with the tweezers, slide on the baord towards the pad. While heating the solder.
Check how the liquid solder melts and flows to the side of commponent

3. Still hold the component in place and remove the tip.
Wait and see how the solder solidifies. Check position of component.
You can always hold and heat this one side again to move until good.
Check if the solder nicely covers the pad and the component.

4. Now the component already holds in place. Come to other side with tip.
Heat the pad AND the side of component and add solder.
Check that the liquid solder nicely flows over the pad and the side.

5. You are done! Great work soldering SMD component.
Check by eye if everything looks ok. Fix stuff if needed.

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