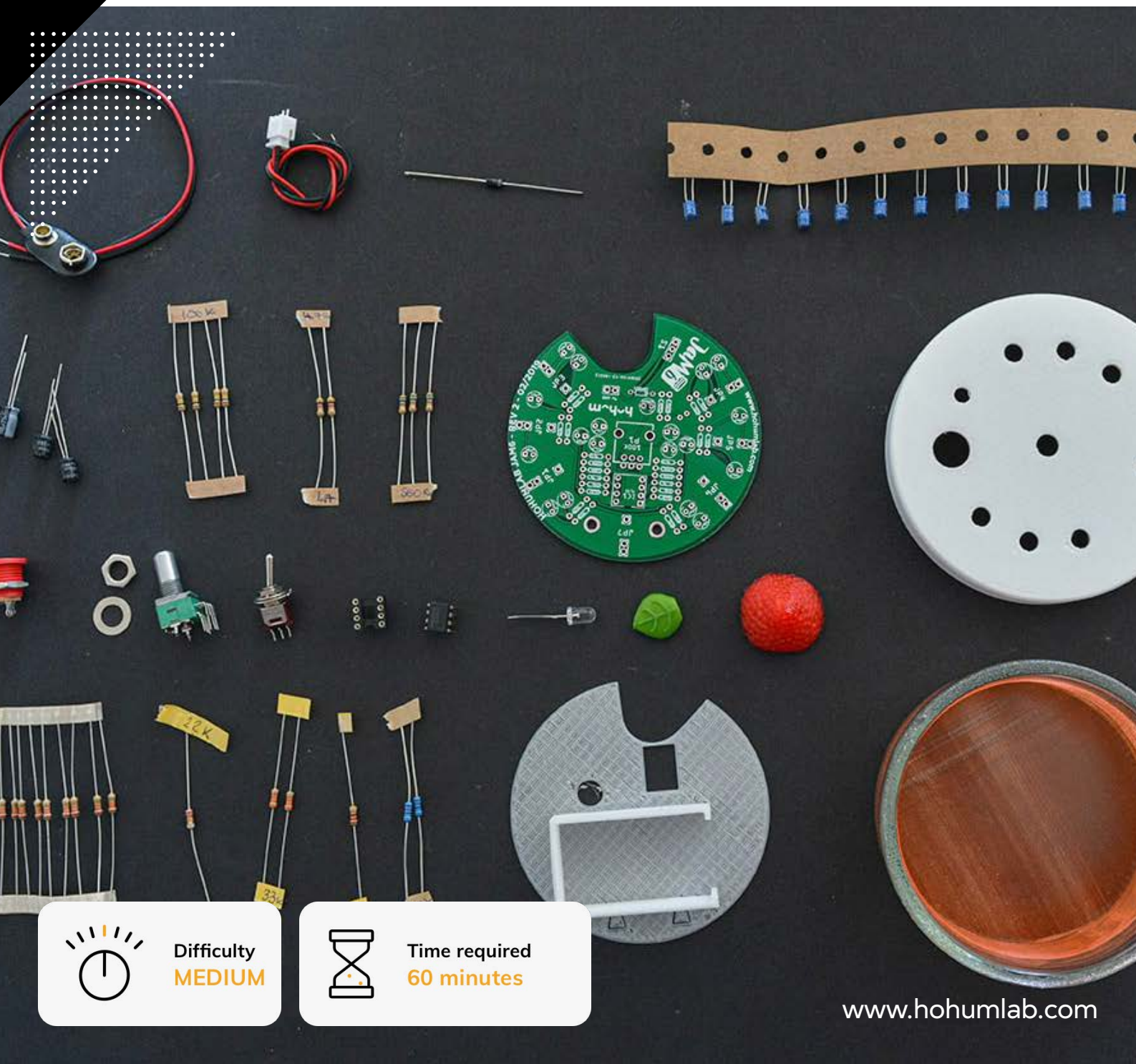
hohum lab

JAM6 FULL KIT ASSEMBLY GUIDE

MAY 2021



Difficulty
MEDIUM

Time required
60 minutes

www.hohumlab.com

GET READY

Knowledge of electronic is not required for this product.

TOOLS YOU'LL NEED

Soldering Iron
0.2-0.5

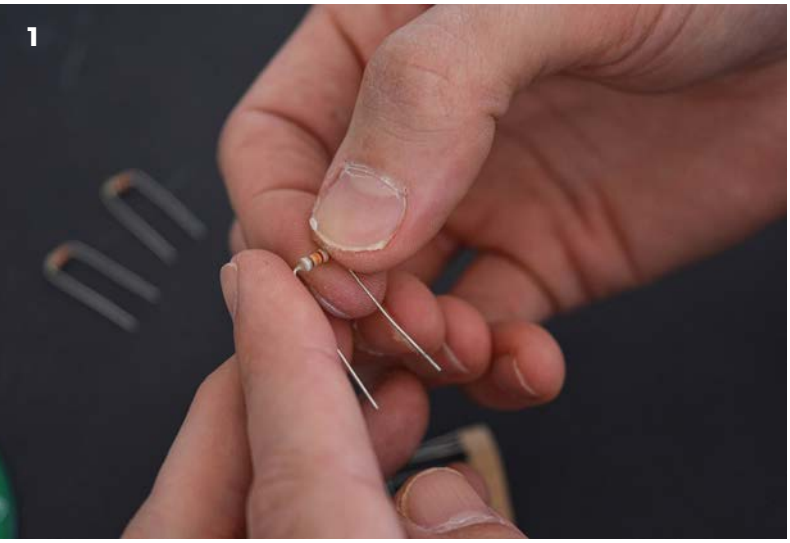
Soldering wire

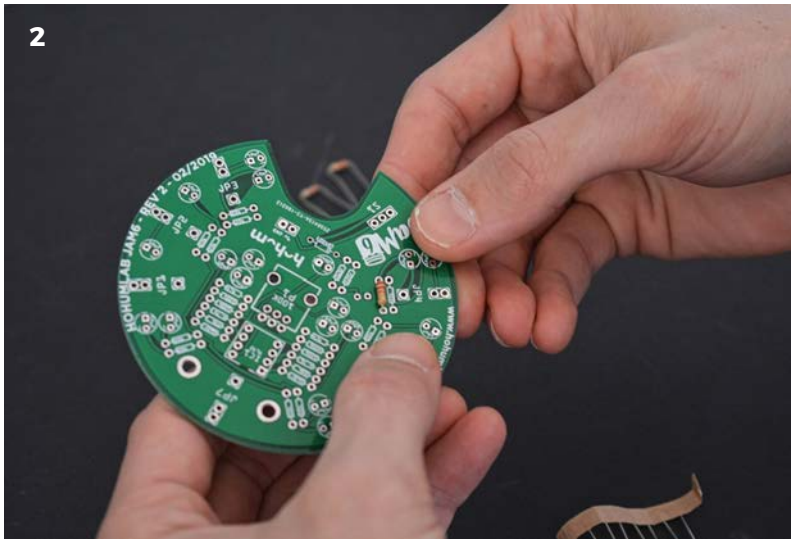
BEFORE TO START

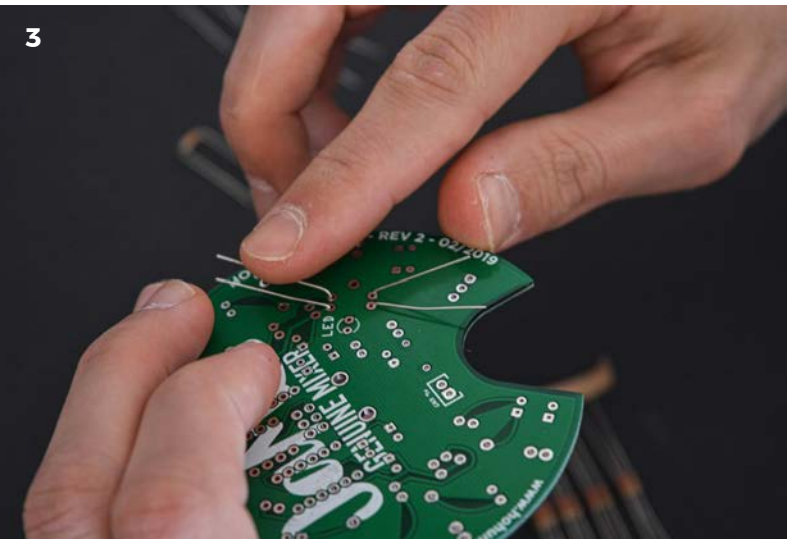
In the box you'll find all the components needed to assembly your JAM6.
Please double check with the BOM that no parts are missing in your box.

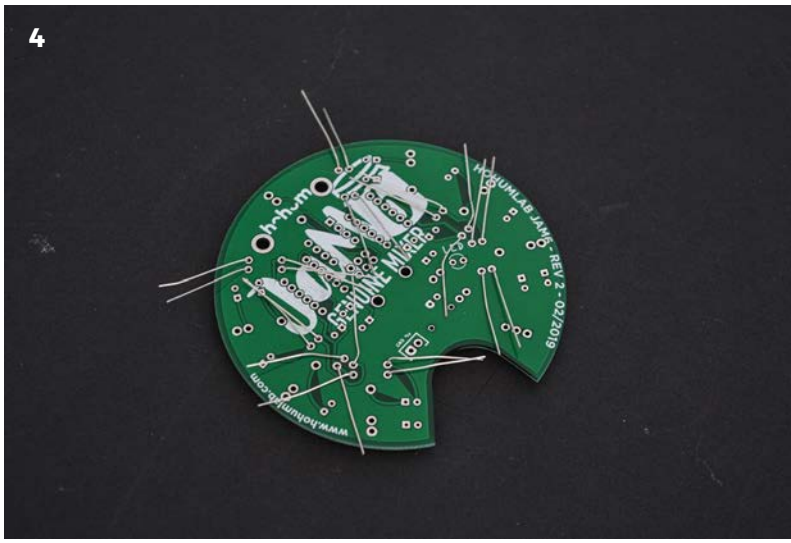
01.

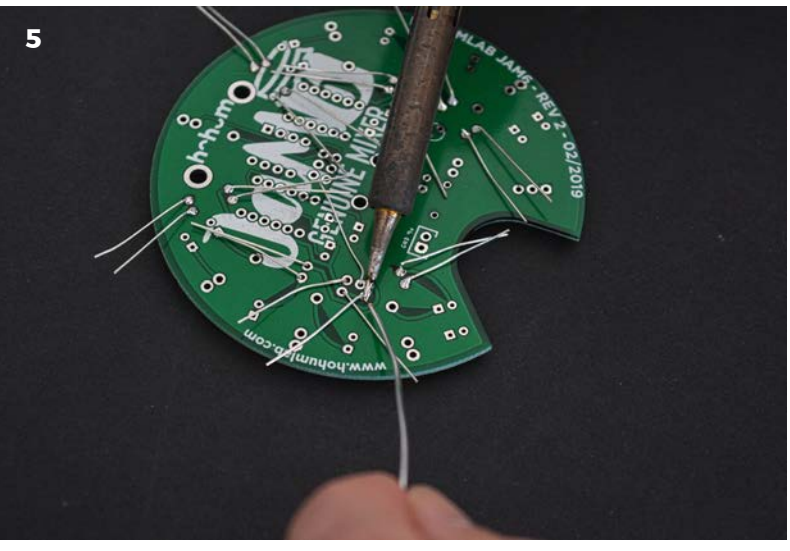
Start by positioning the 22K resistors on the PCB and solder them, one by one. Remove all the terminals once done.

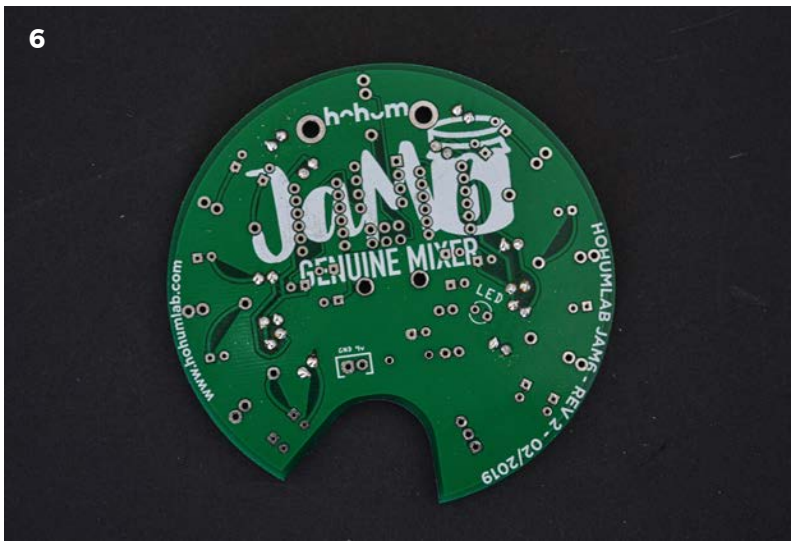






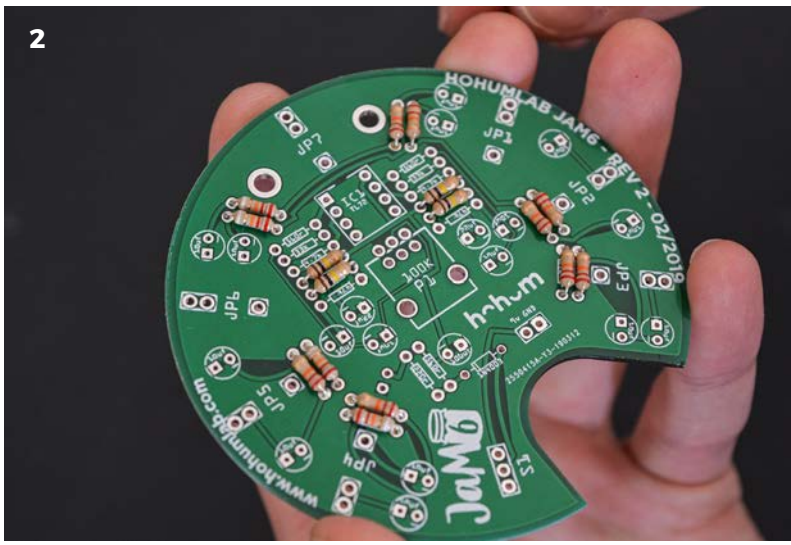


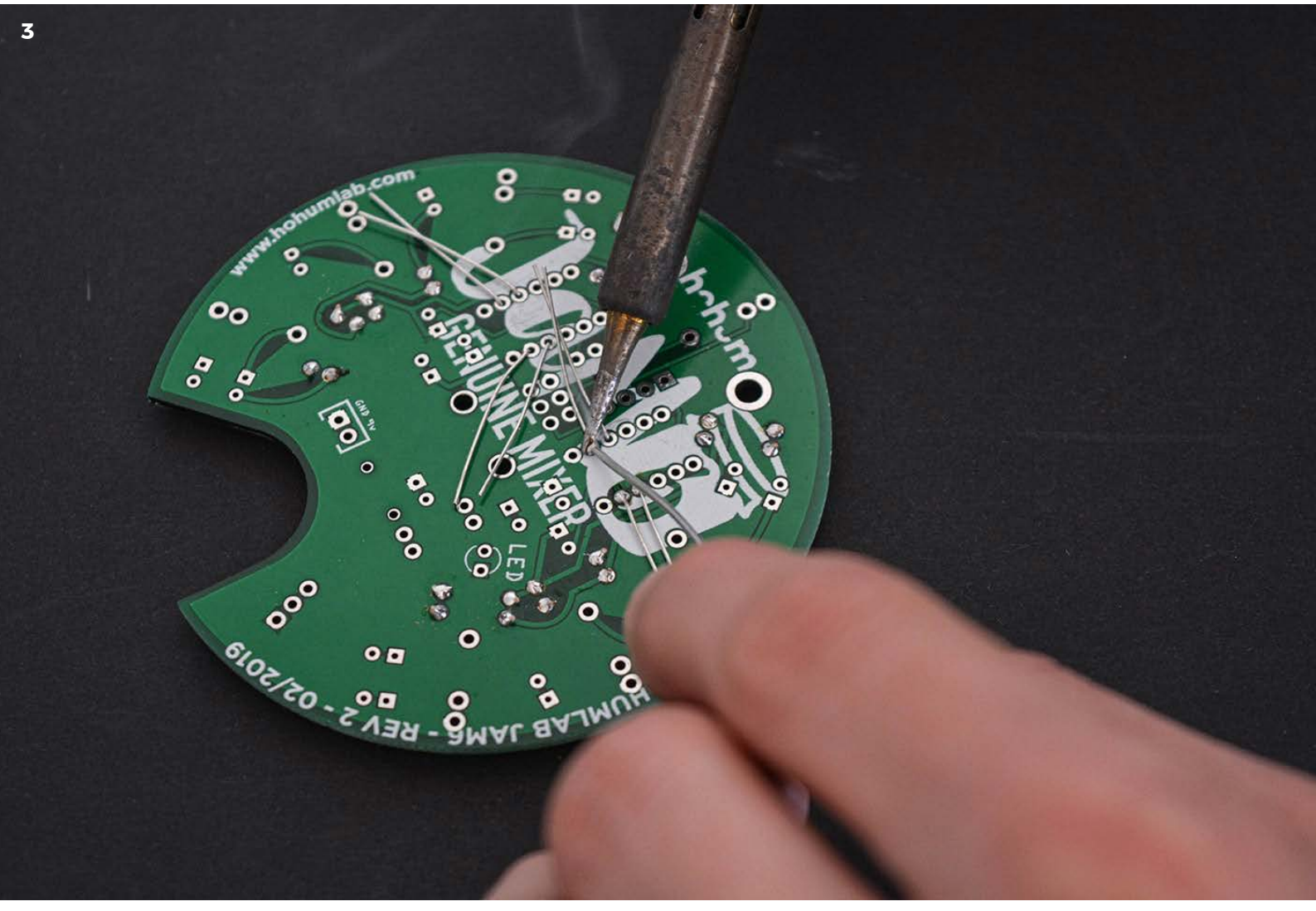




02.

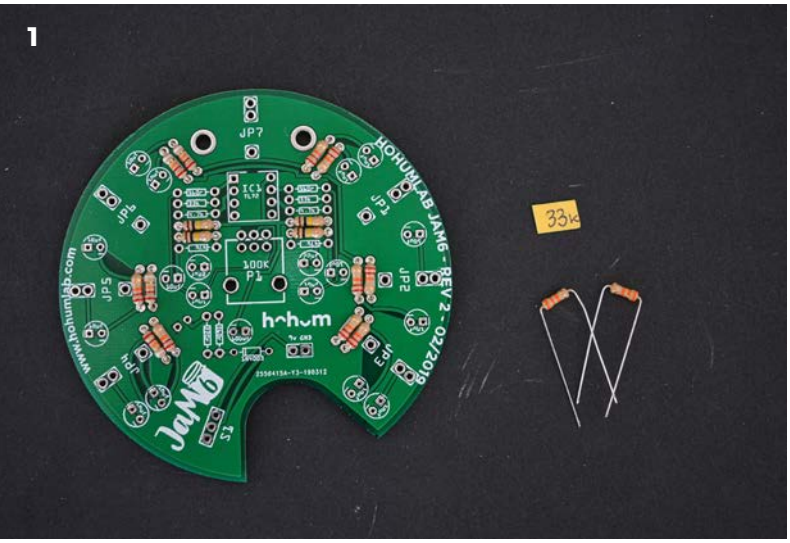
Place the 100 K resistors on the PCB and solder them, one by one. Remove all the terminals once done.

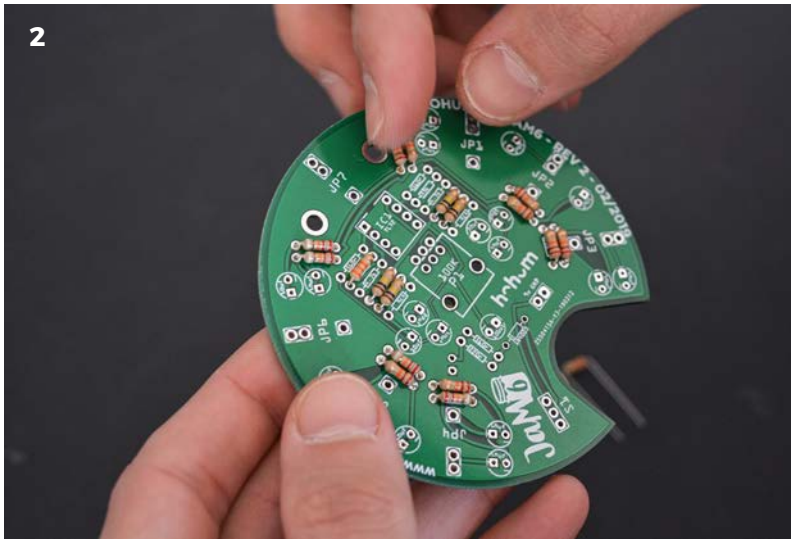


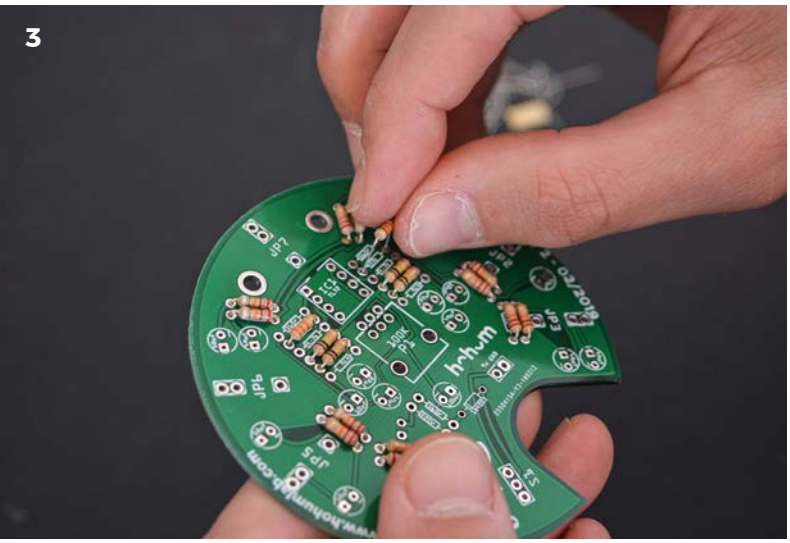


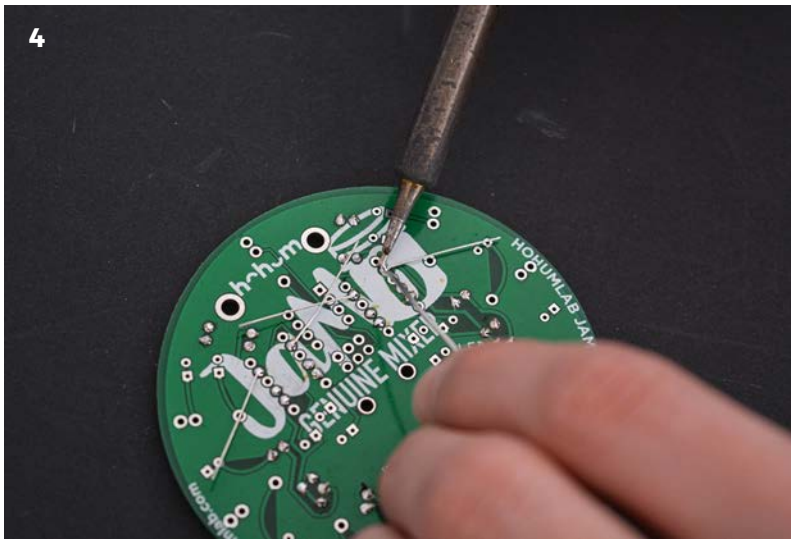
03.

Place the 33 K resistors on the PCB and solder them, one by one. Remove all the terminals once done.



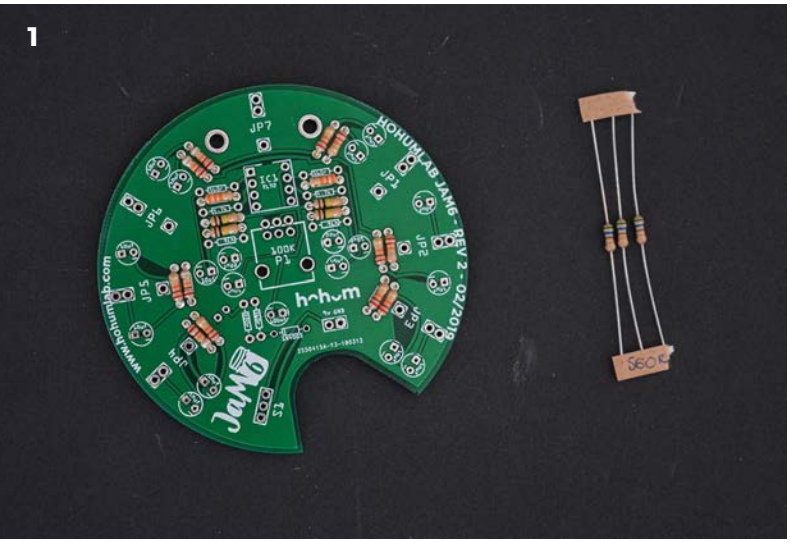


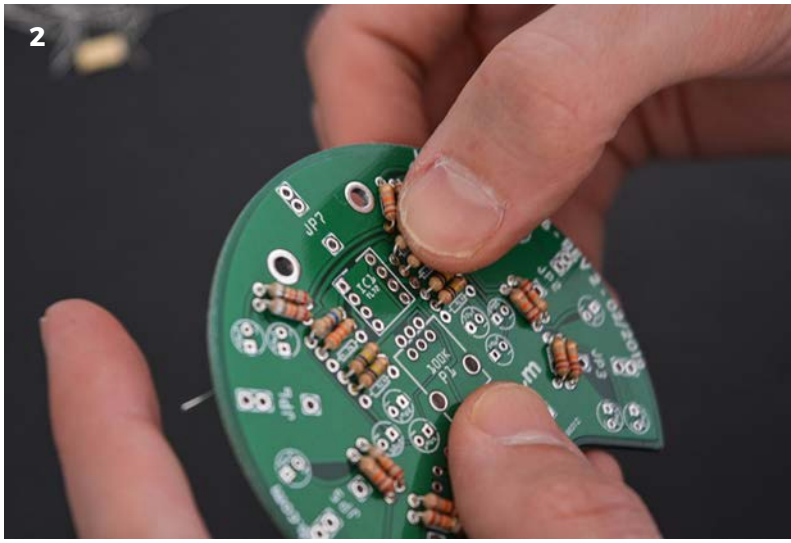


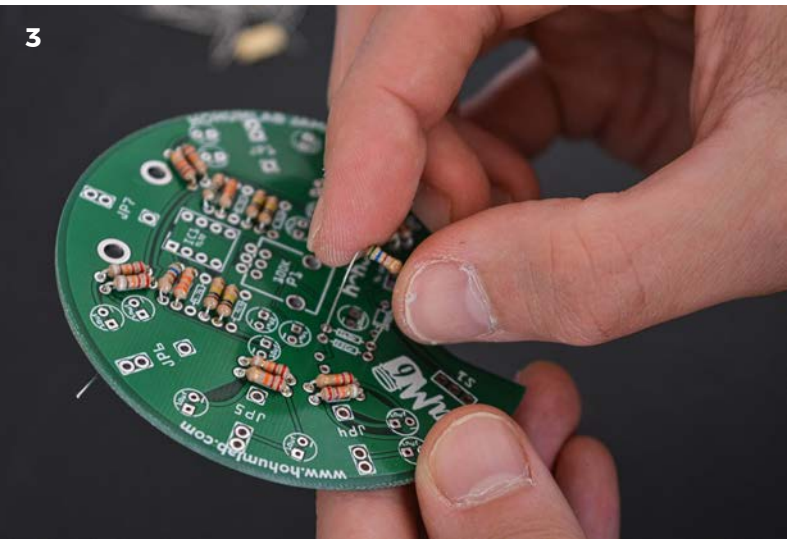


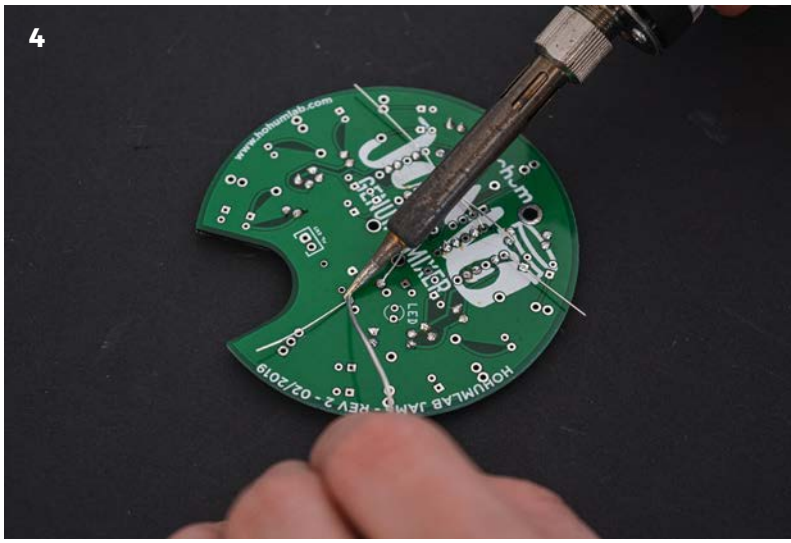
04.

Place the 560 K resistors on the PCB and solder them, one by one. Remove all the terminals once done.

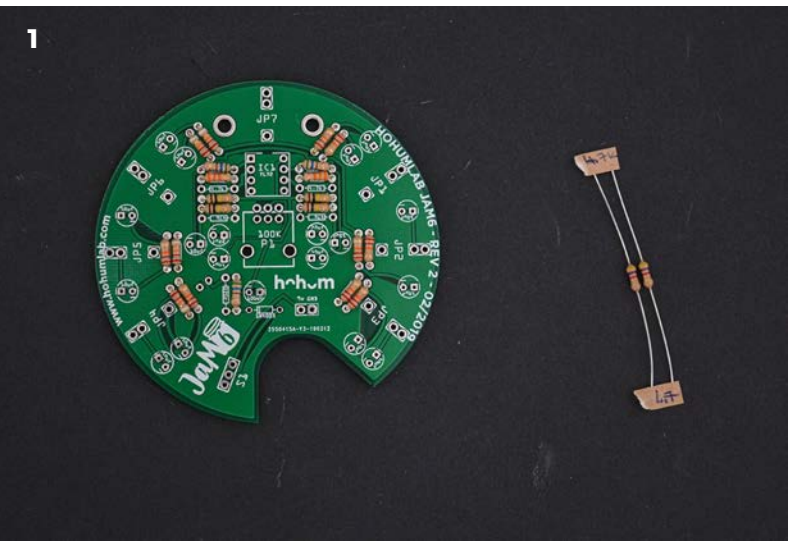


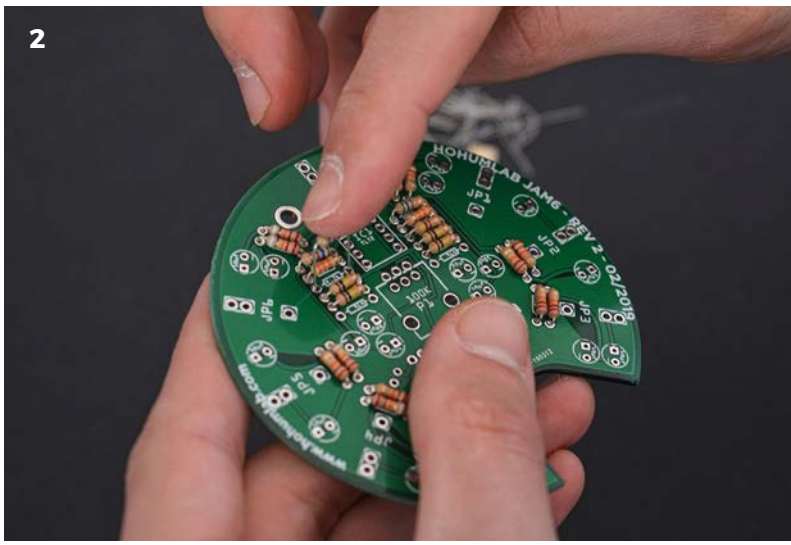


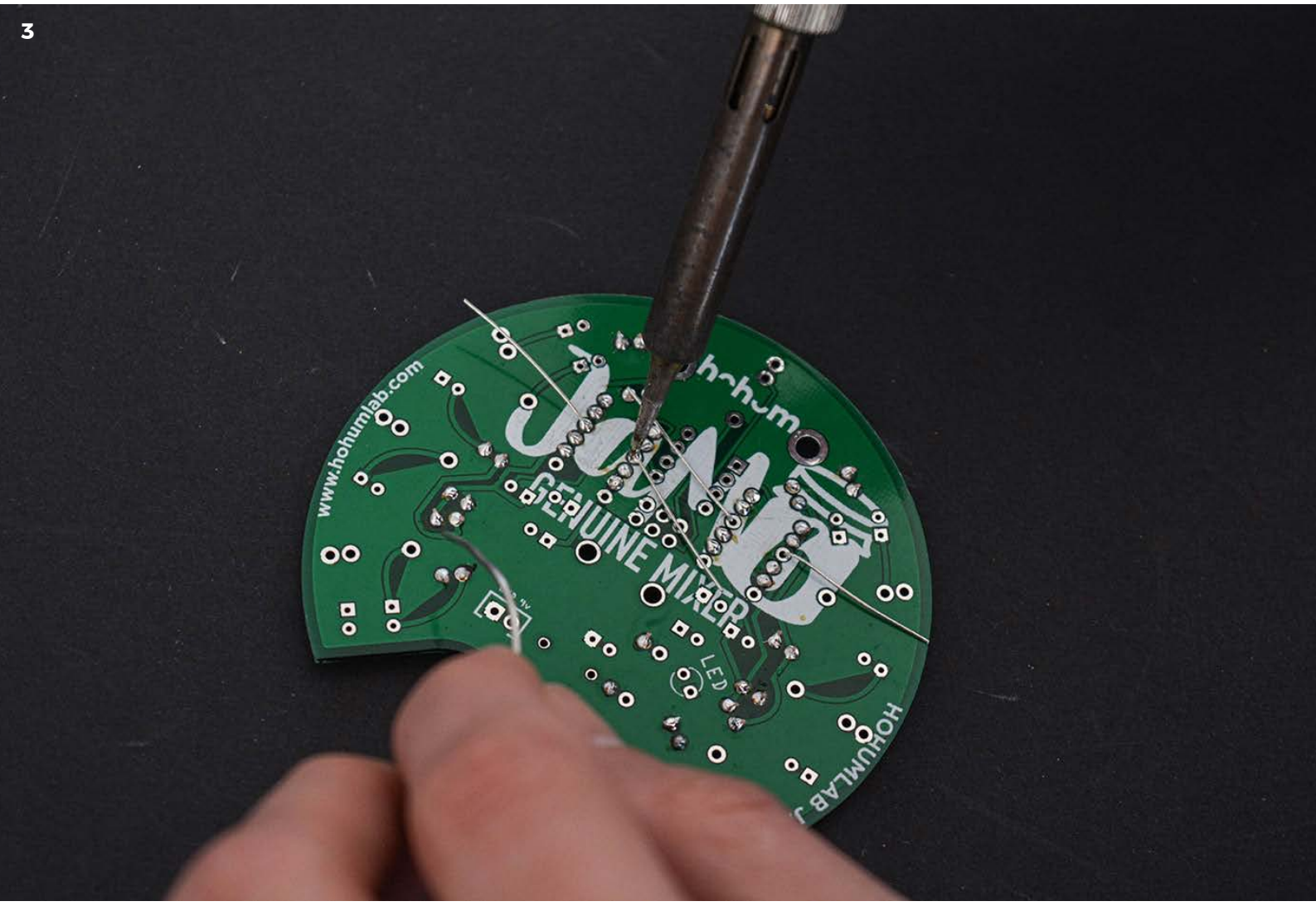




05. Place the 4.7 K resistors on the PCB and solder them, one by one. Remove all the terminals once done.

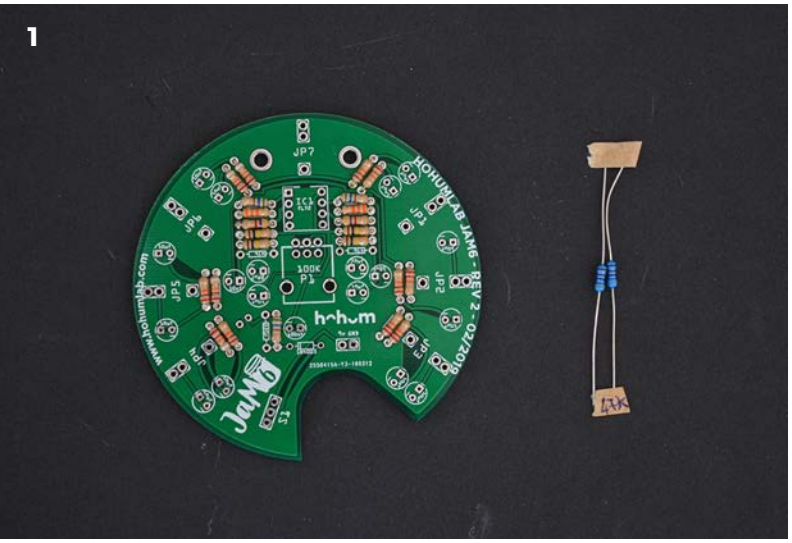


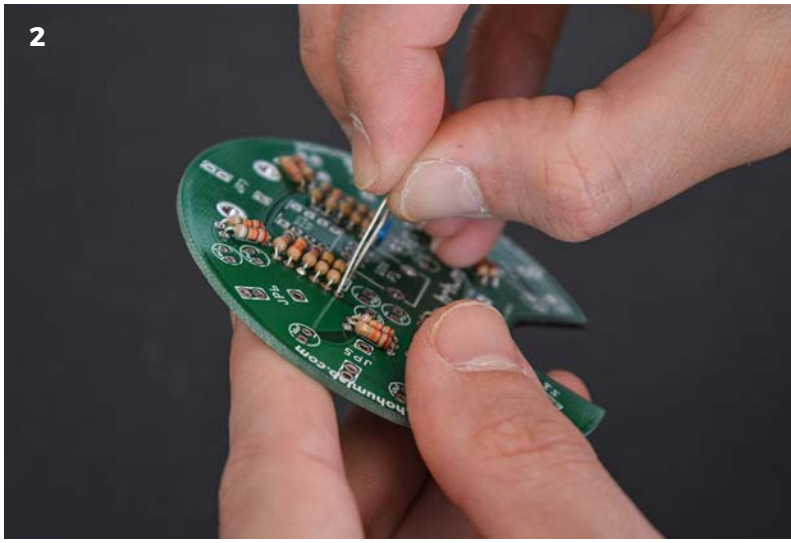


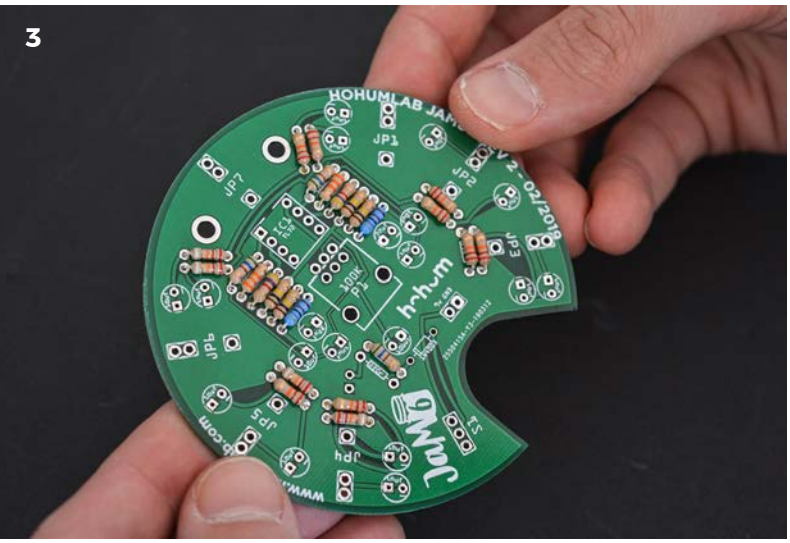


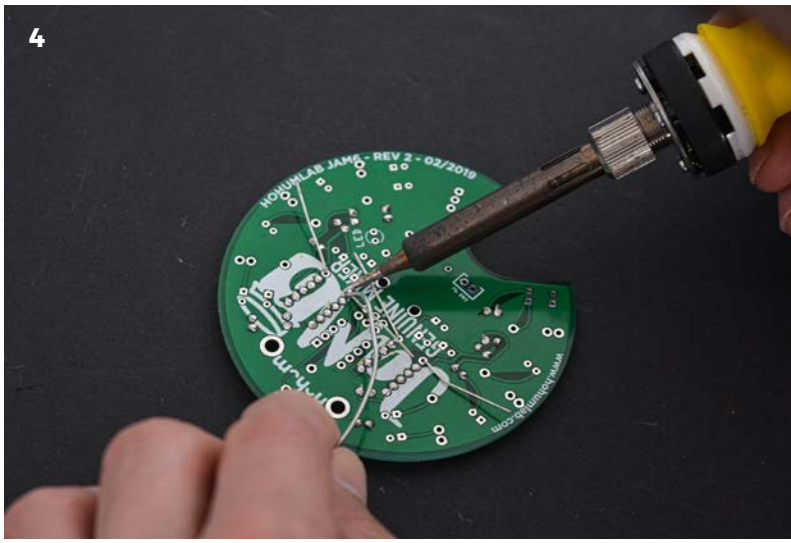
06.

Place the 47 K resistors on the PCB and solder them, one by one. Remove all the terminals once done.



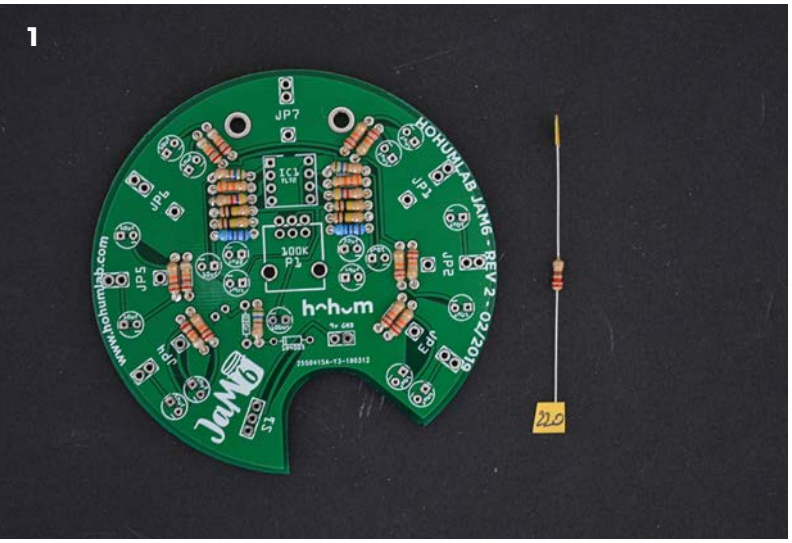


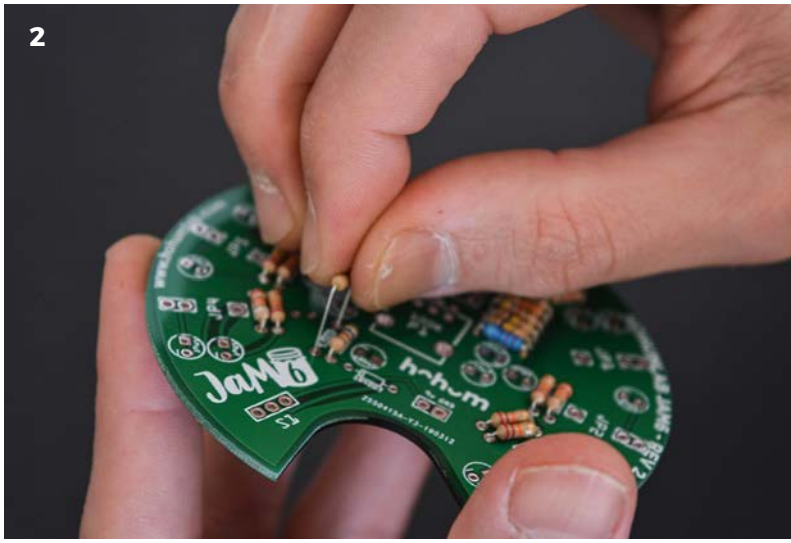


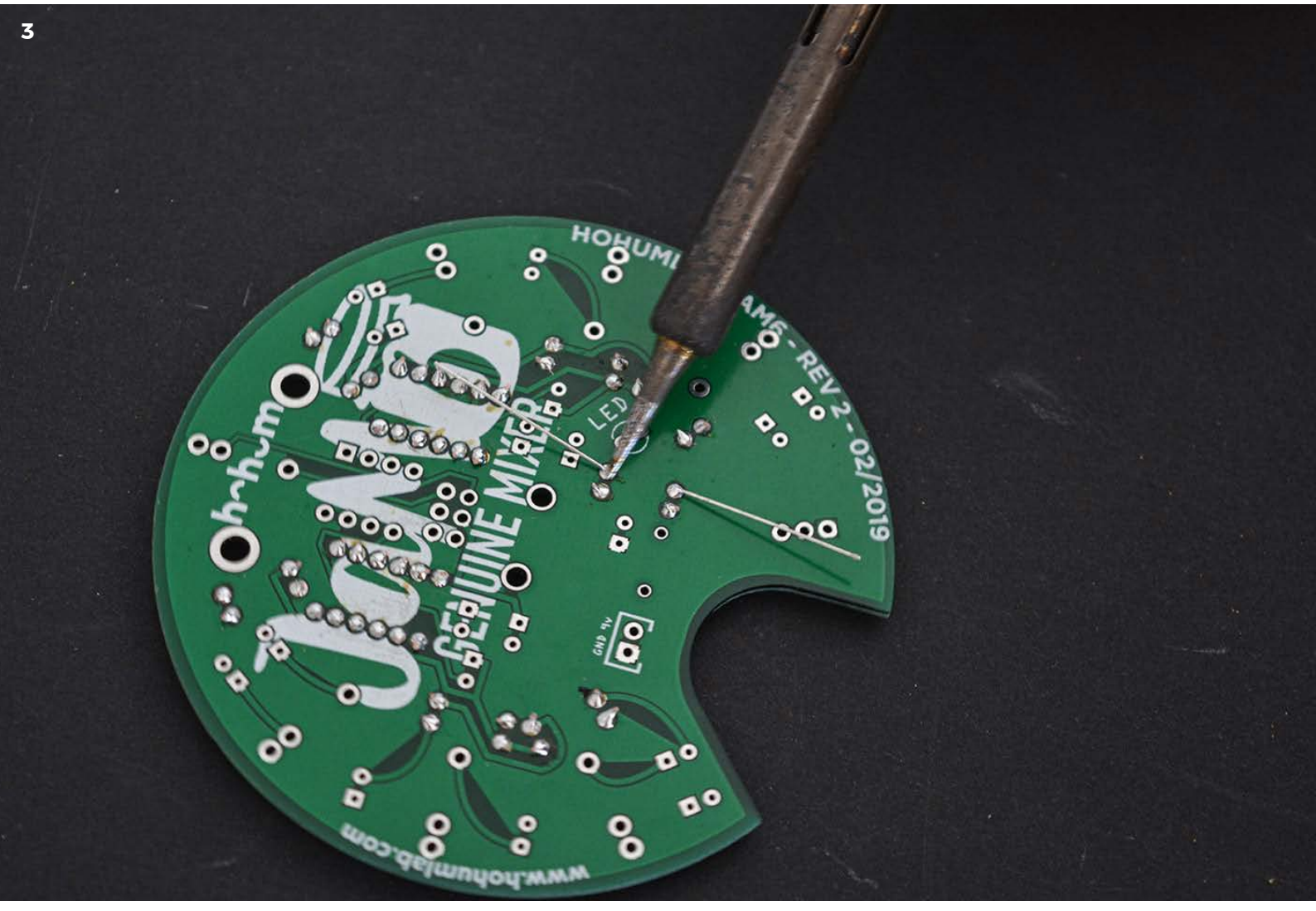


07.

Place the 220 K resistors on the PCB and solder them, one by one. Remove all the terminals once done.

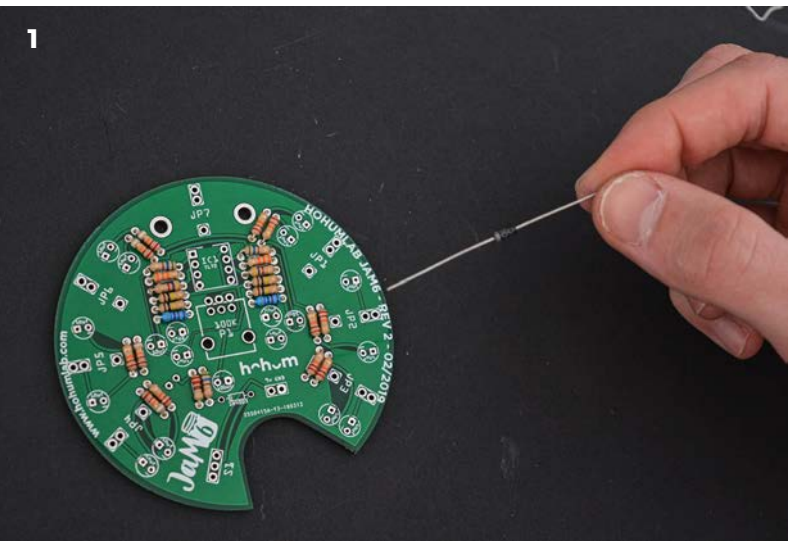


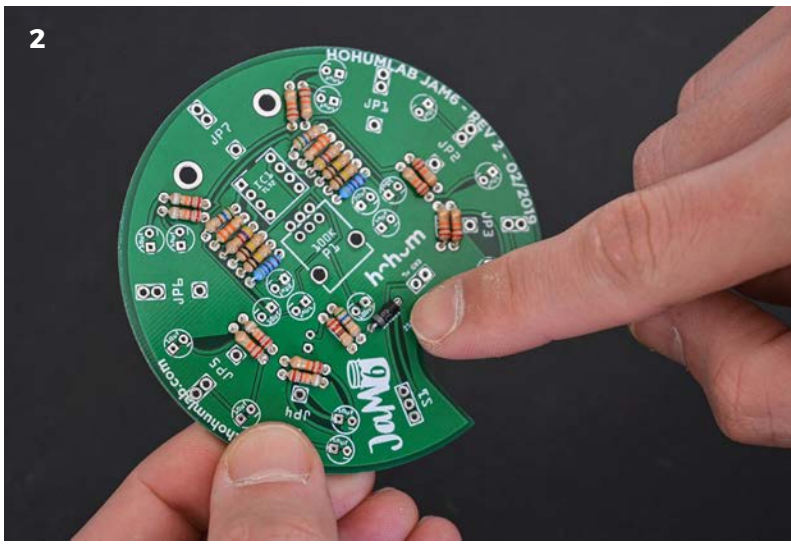


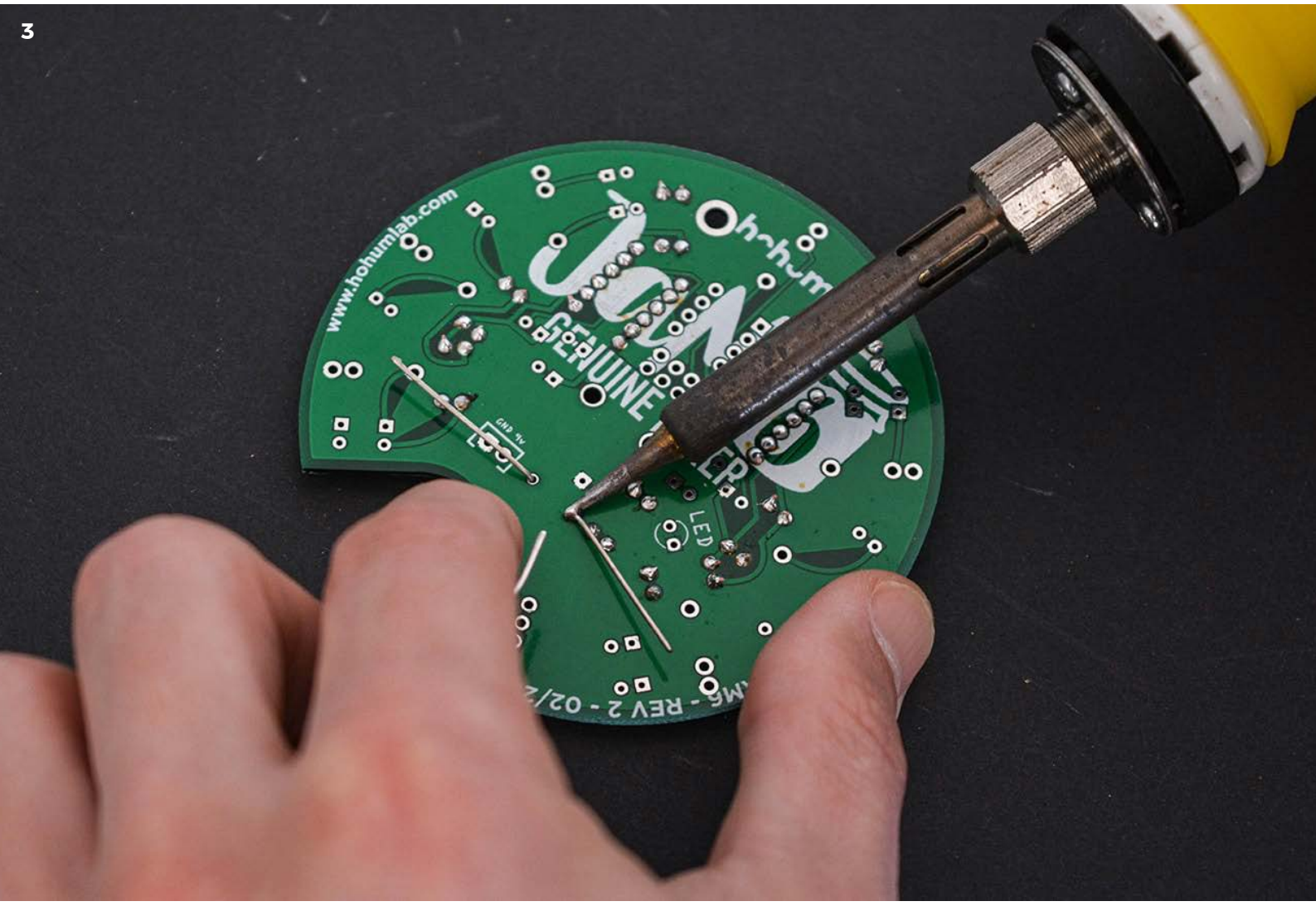


08.

Place the diode on the PCB and solder it. Remove the terminals once done.

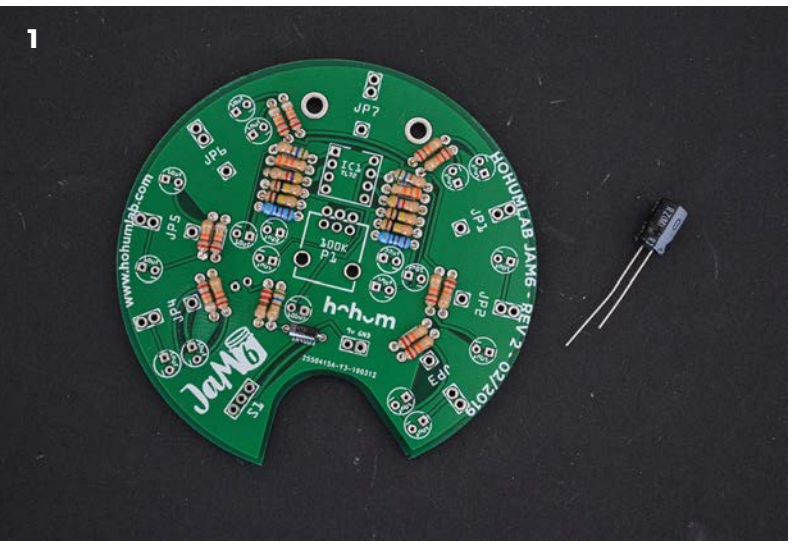


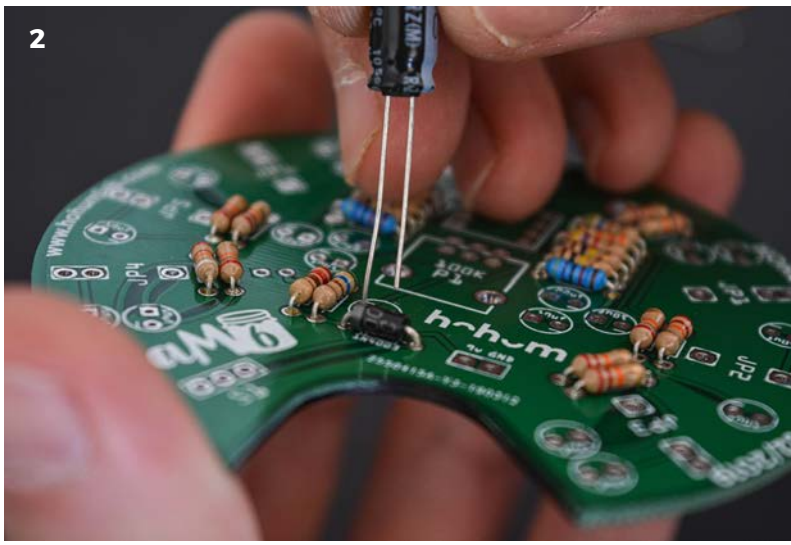


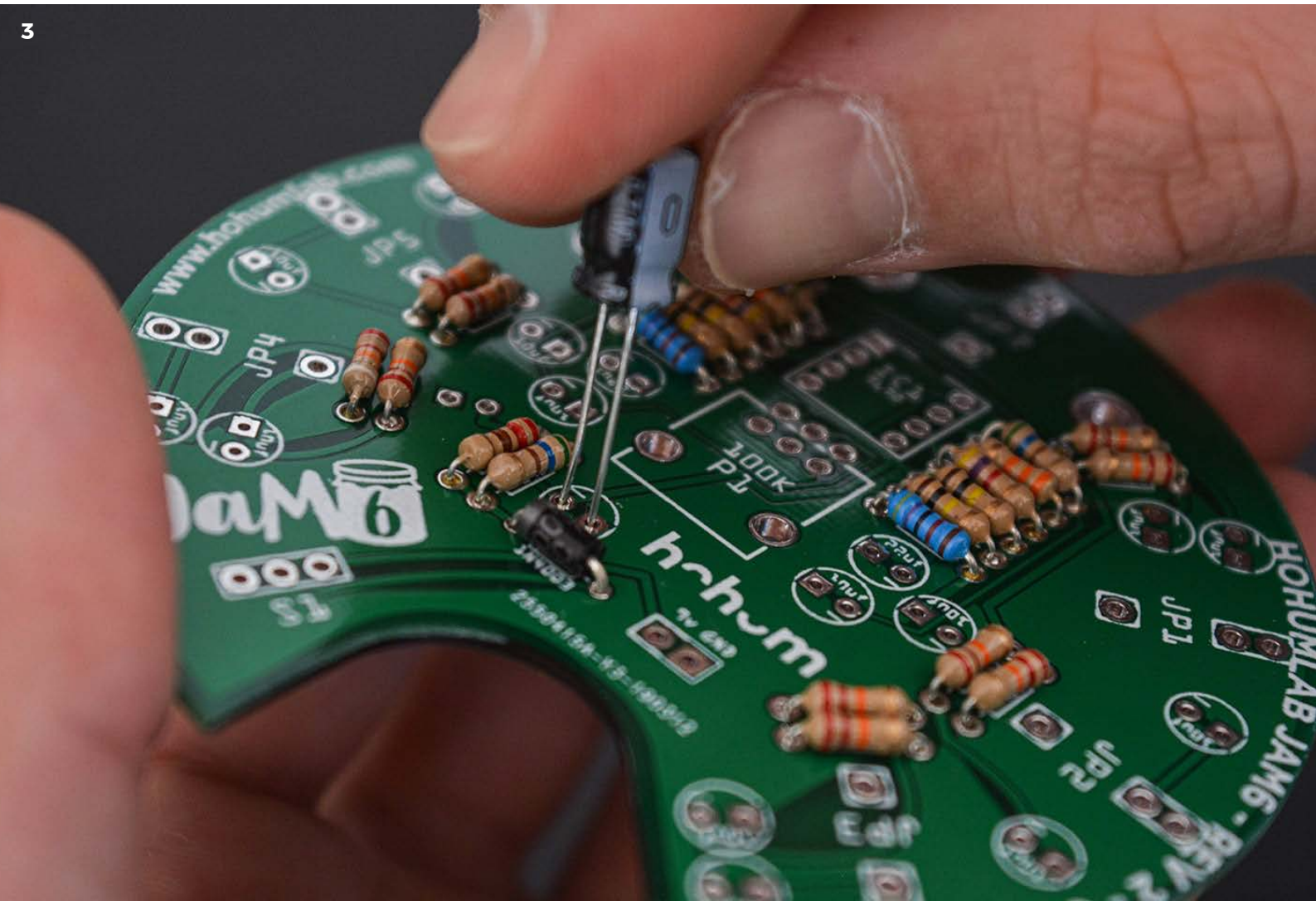


09.

Place the 100uf capacitor on the PCB and solder it. Make sure the capacitor polarity match with the label on the PCB. Remove the terminals once done.

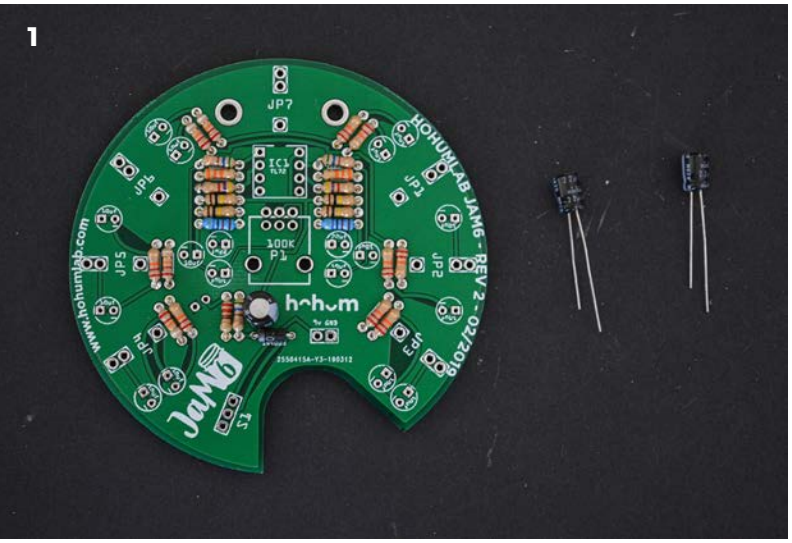


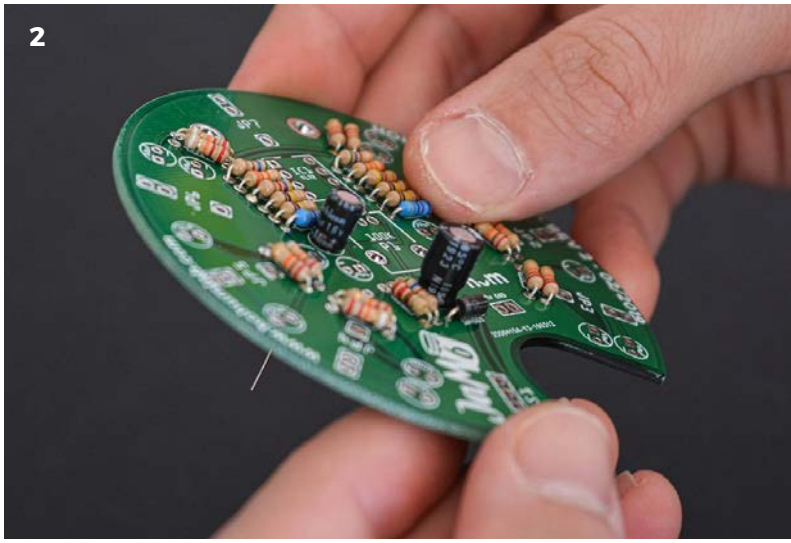


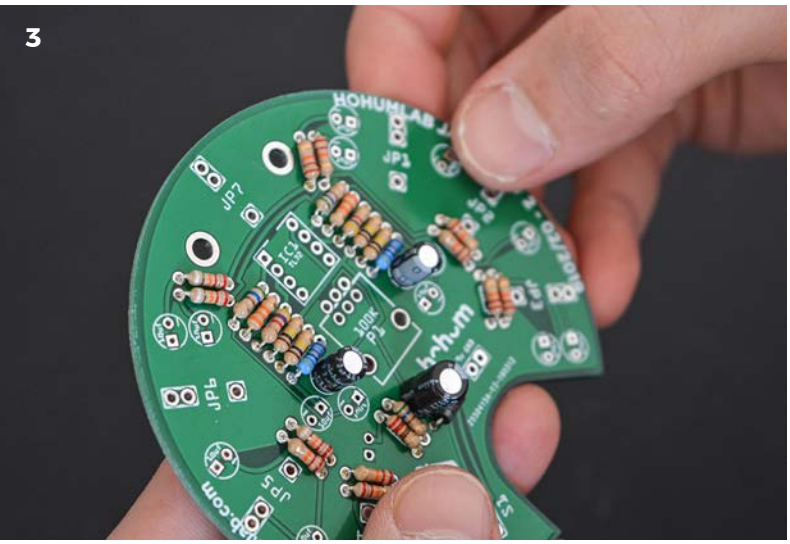


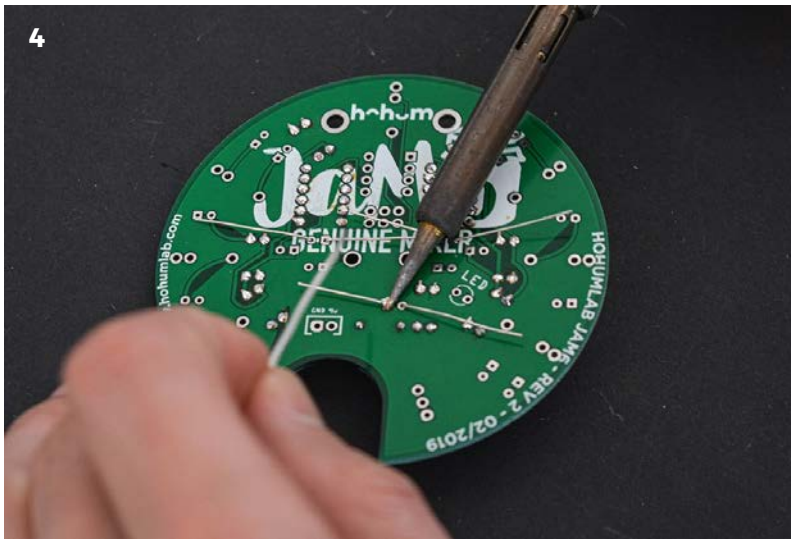
10.

Place the 22uf capacitors on the PCB and solder them. Make sure the capacitor polarity match with the label on the PCB. Remove all the terminals once done.



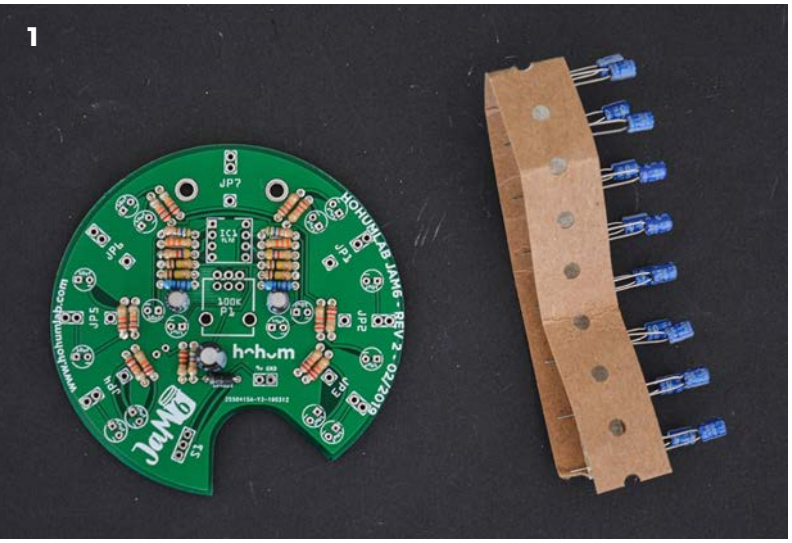


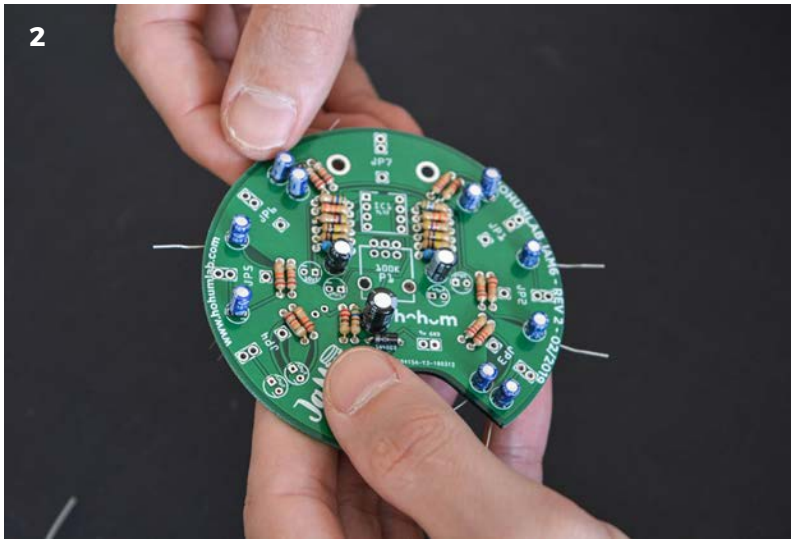


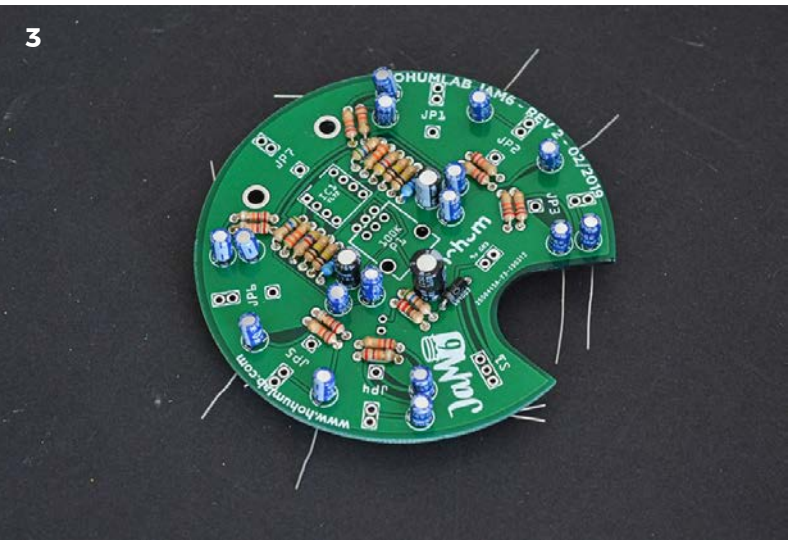


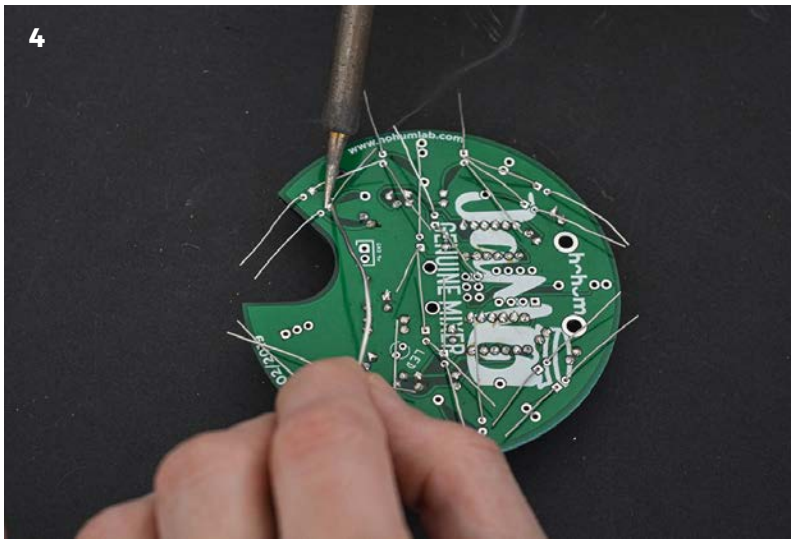
11.

Place the 10uf capacitors on the PCB and solder them. Make sure the capacitor polarity match with the label on the PCB. Remove all the terminals once done.



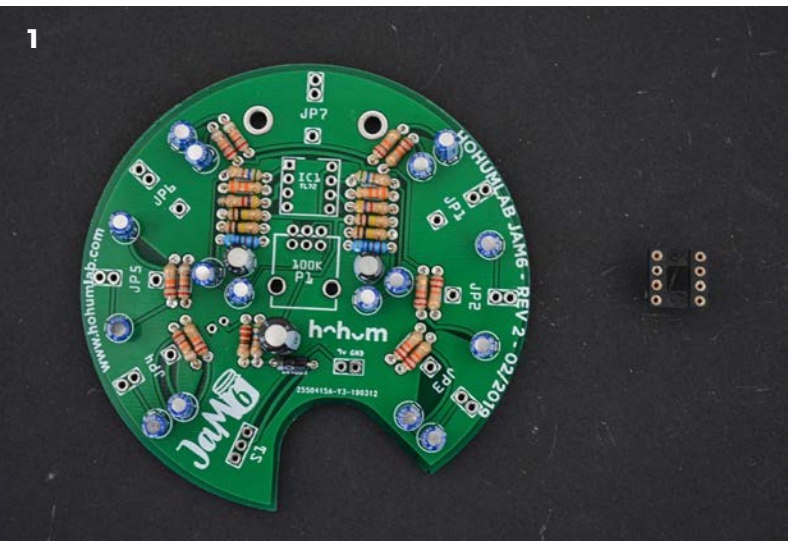


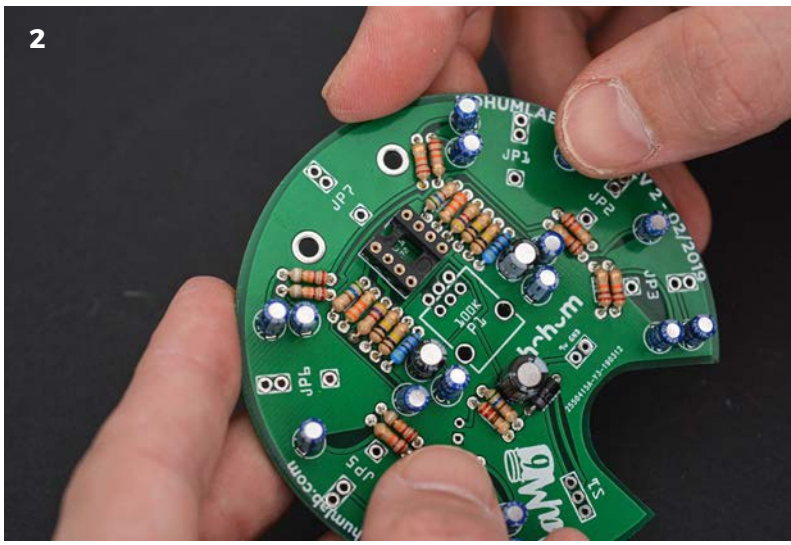


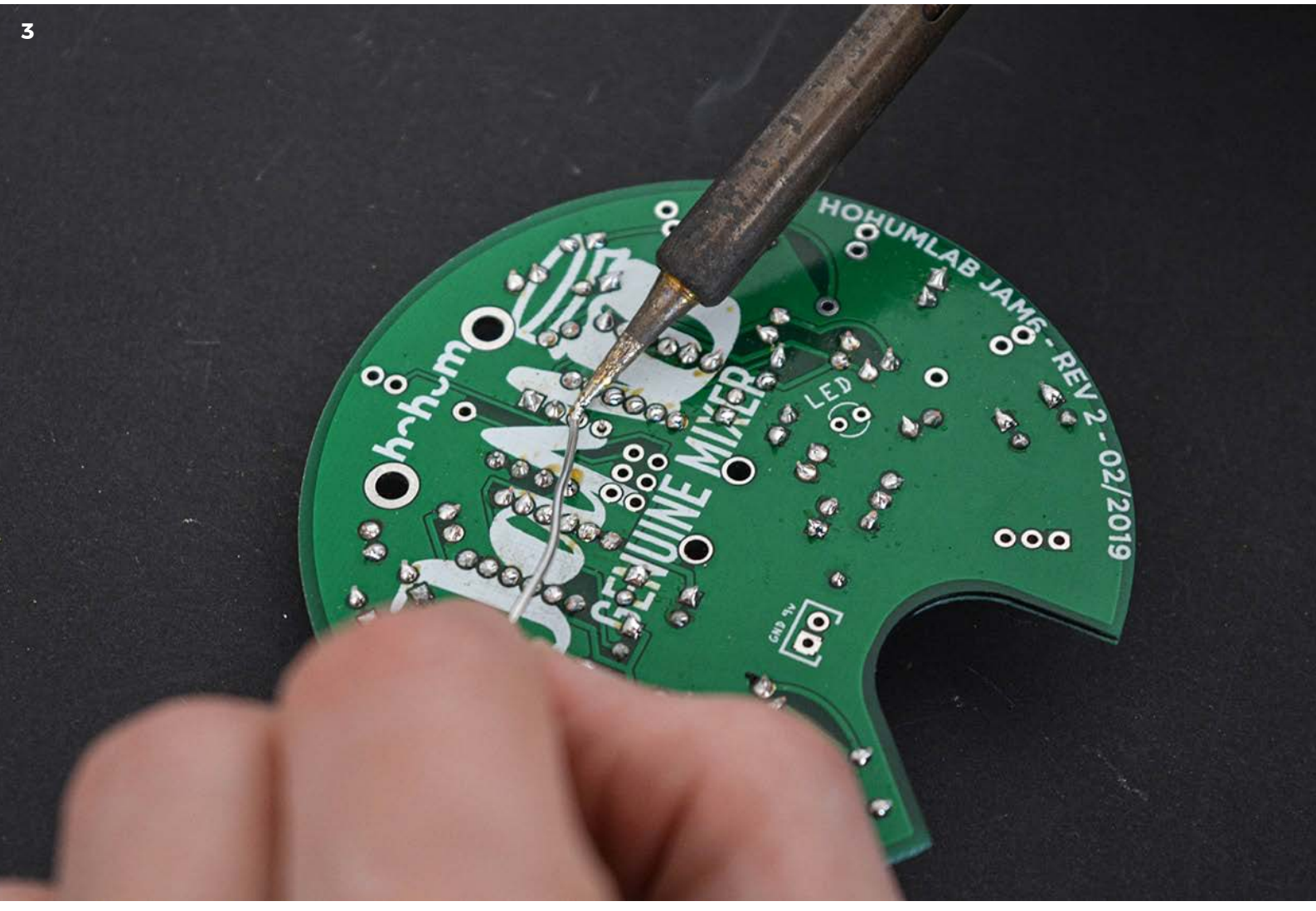


12.

Place the DIP8 IC socket on the PCB and solder it.

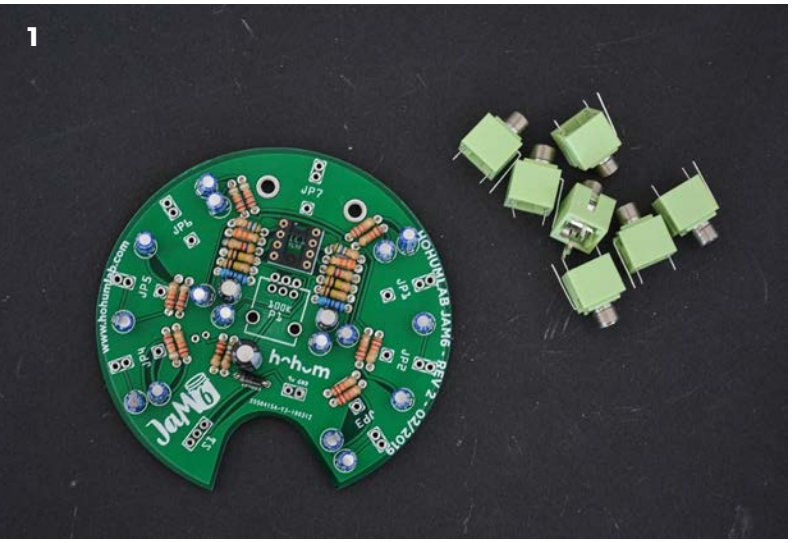


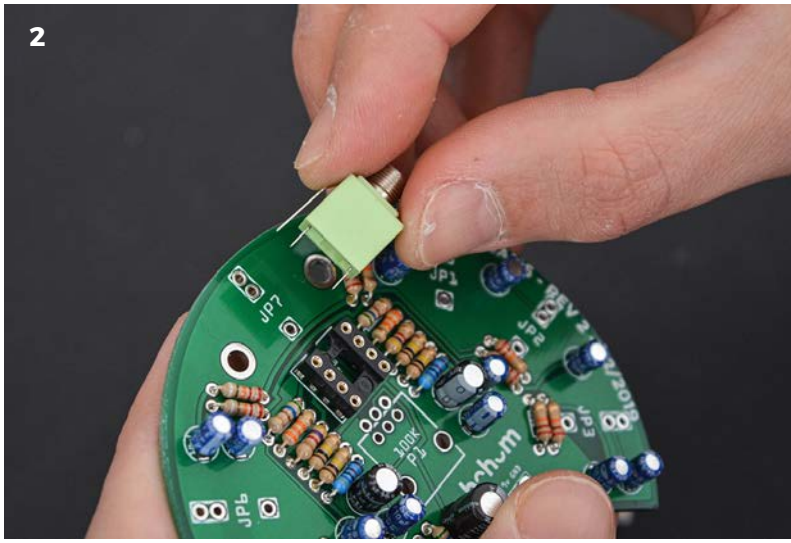


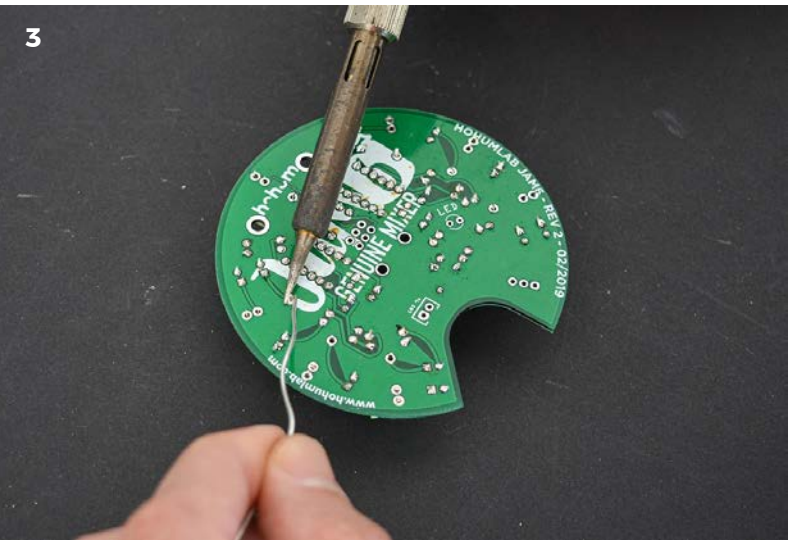


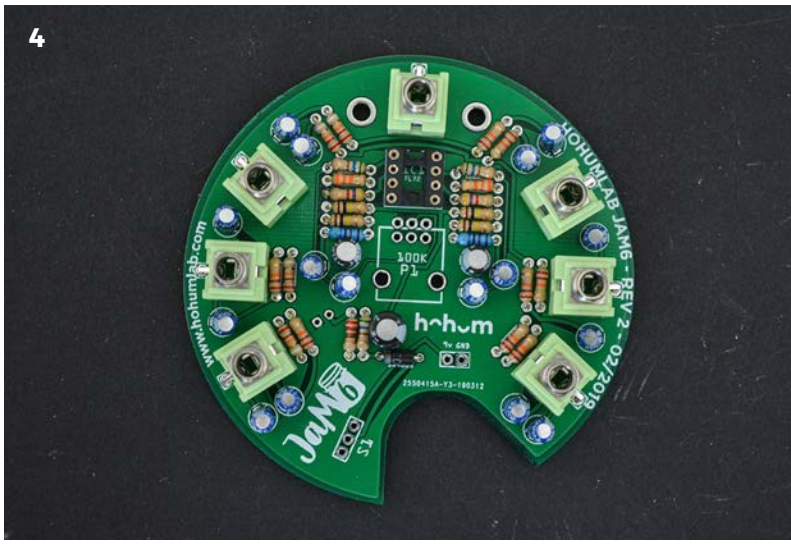
13.

Place the mini jacks ports on the PCB and solder them.



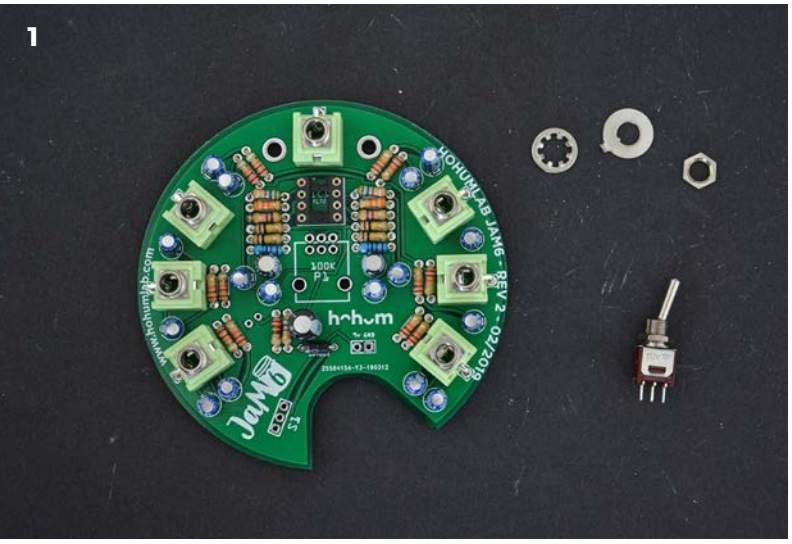


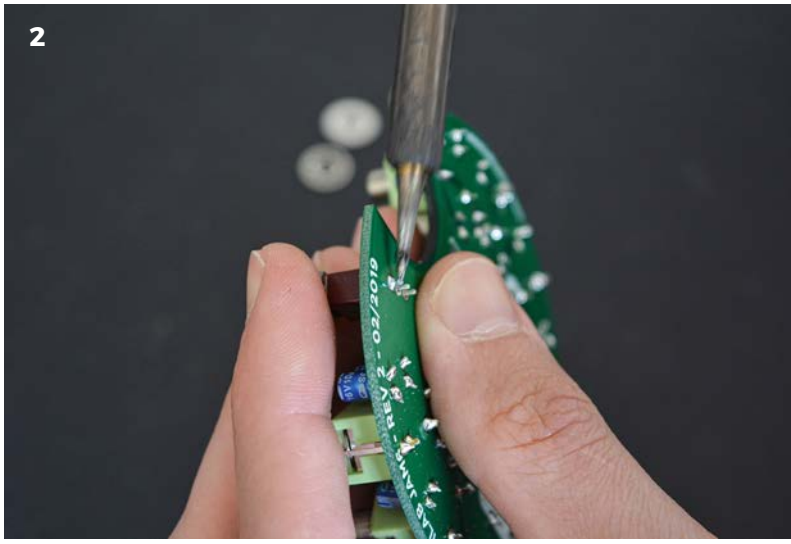


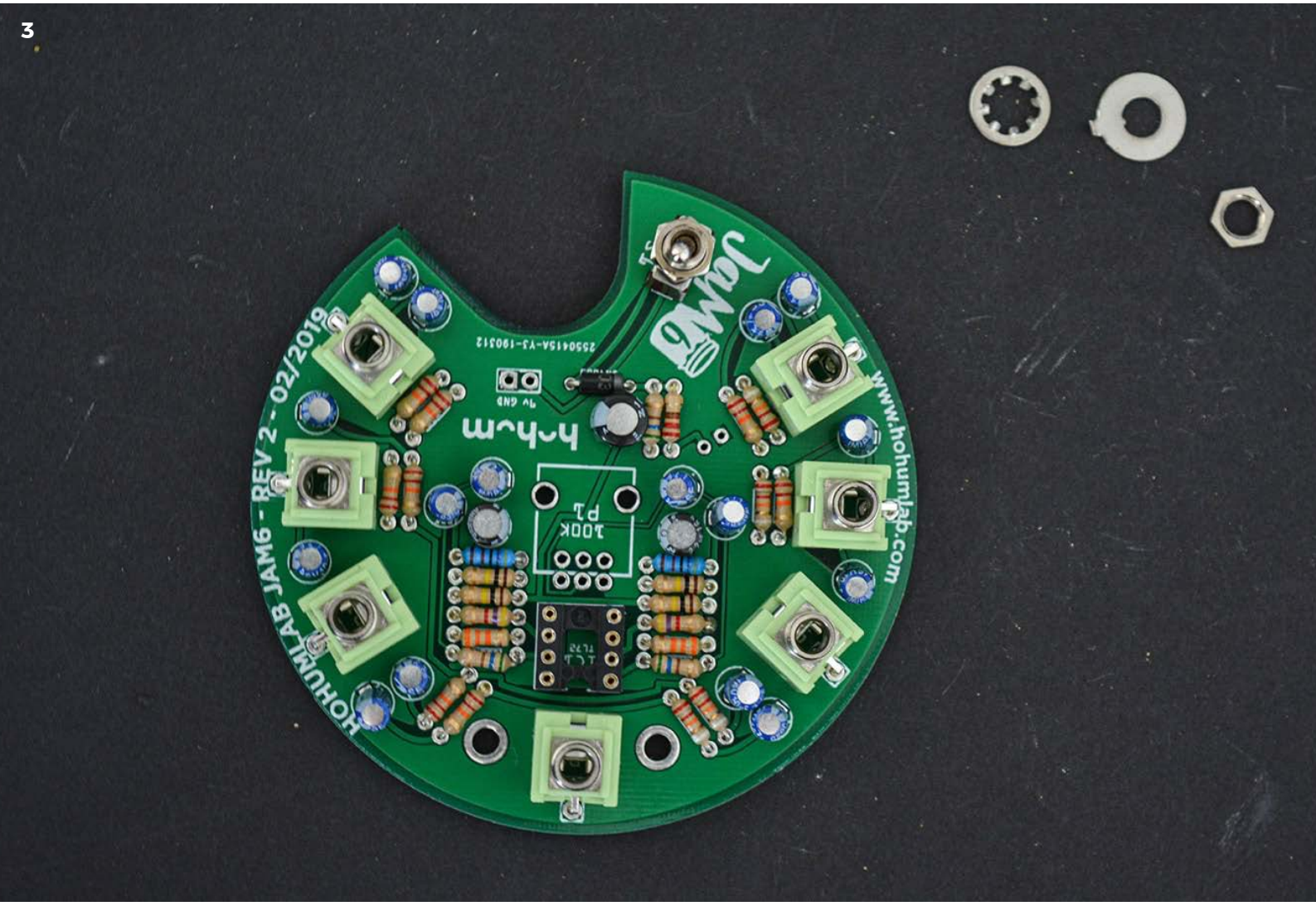


14.

Place the mini toggle switch on the PCB and solder it. Make sure the switch looks straight before completing the soldering process.

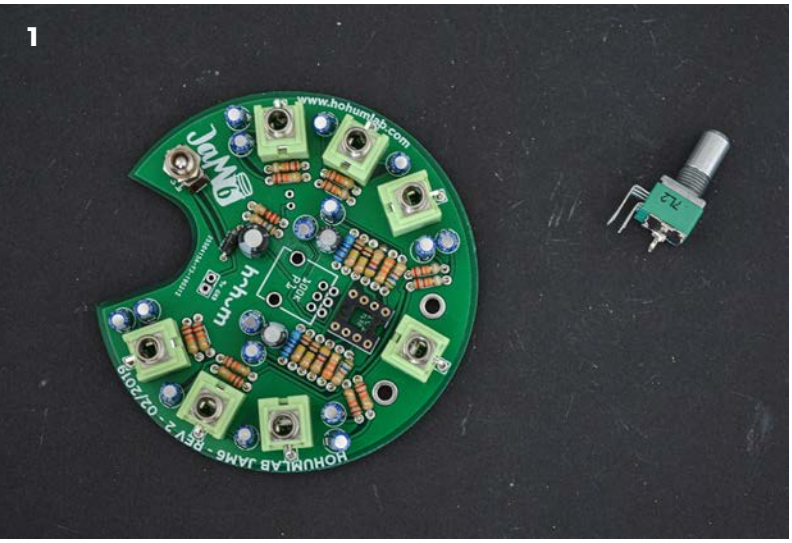


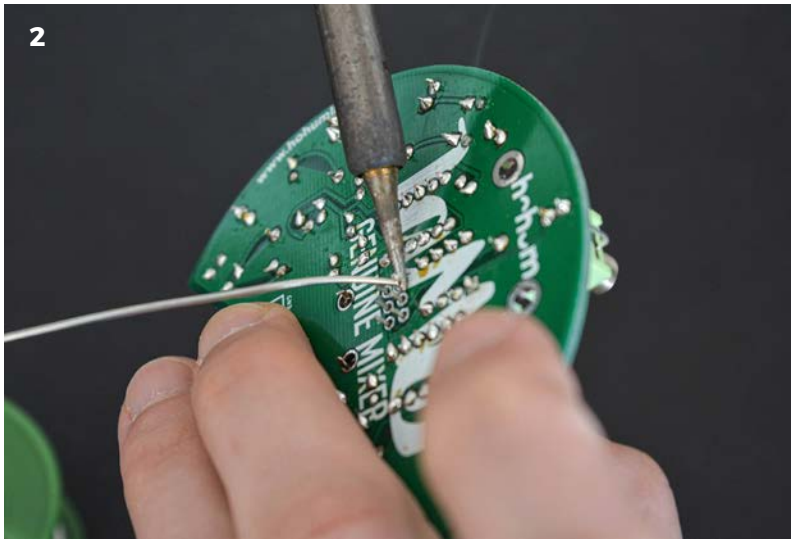


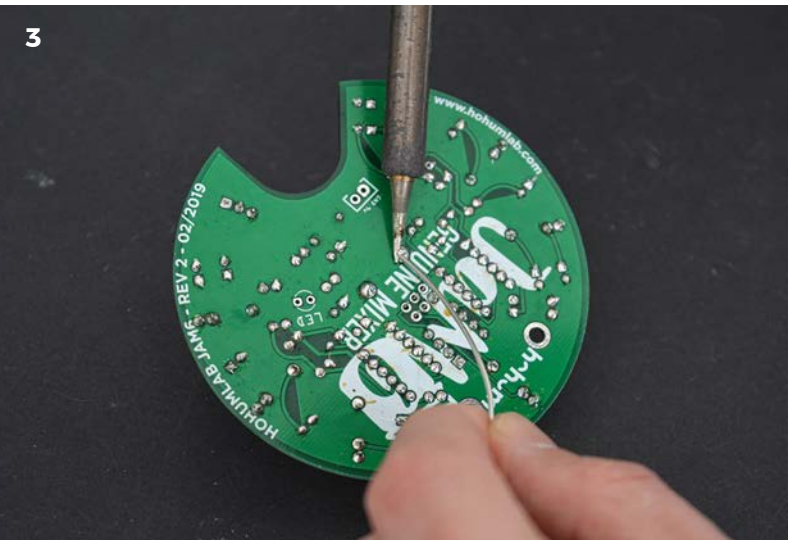


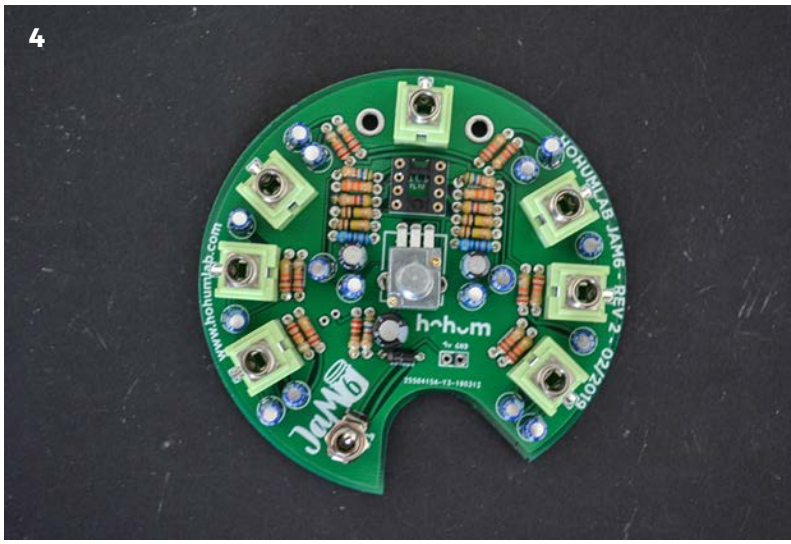
15.

Place the 100k dual potentiometer on the PCB and solder it.



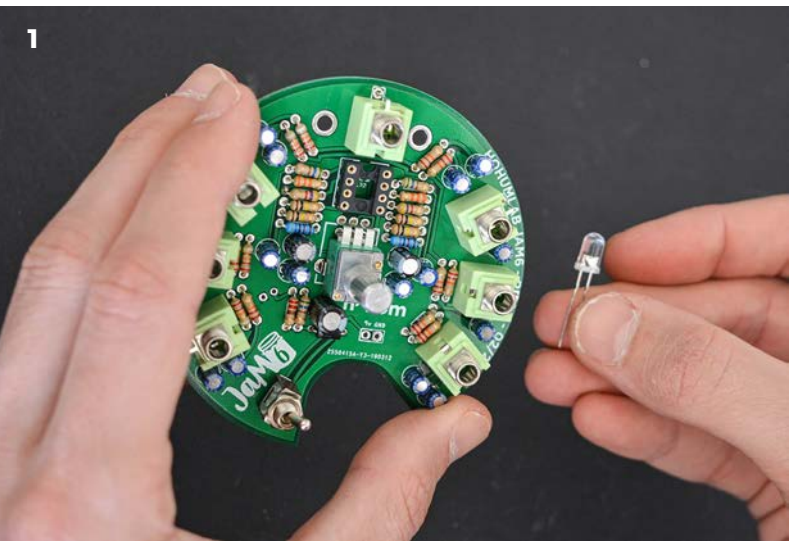


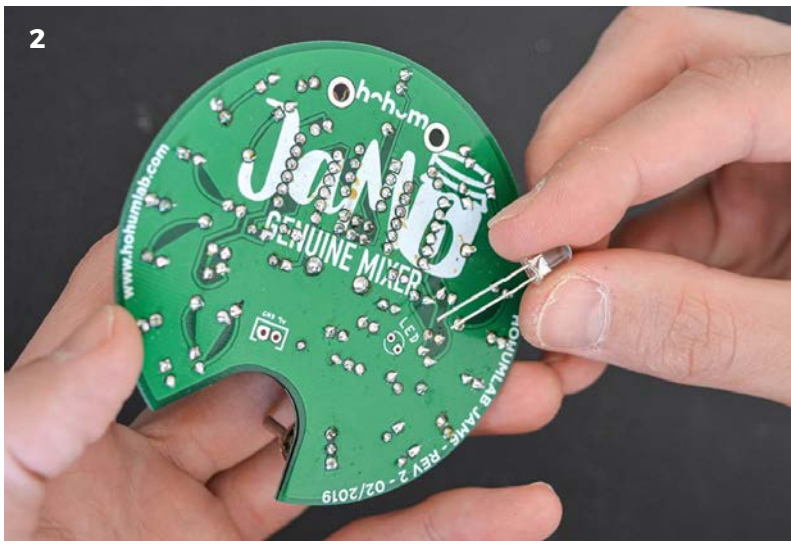


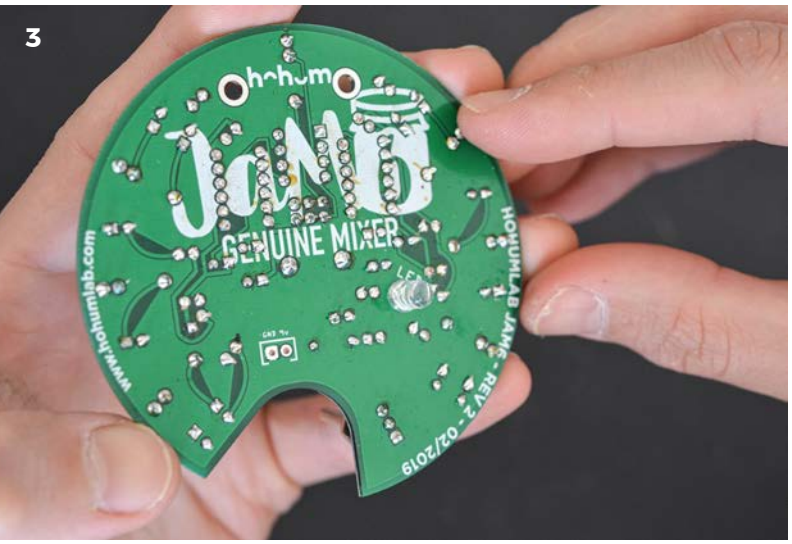


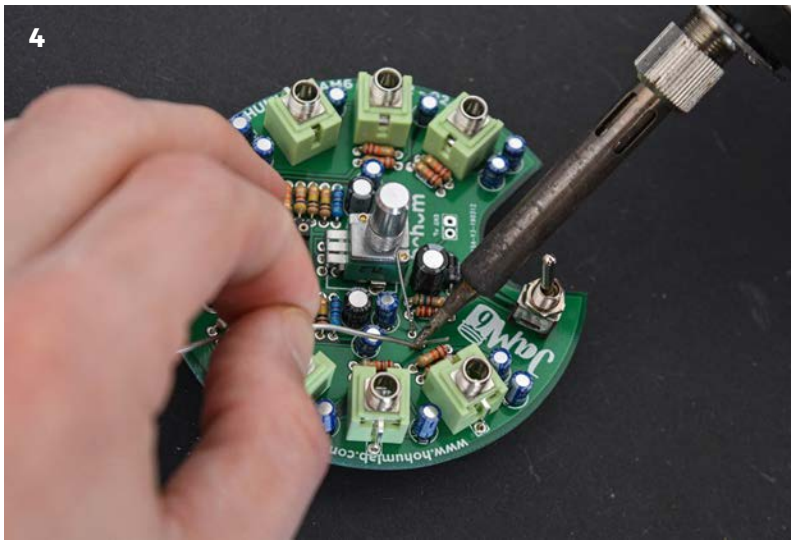
16.

Place the Red LED on the backside of the PCB and solder it. Make sure the LED polarity match with the label on the PCB before proceeding with soldering.



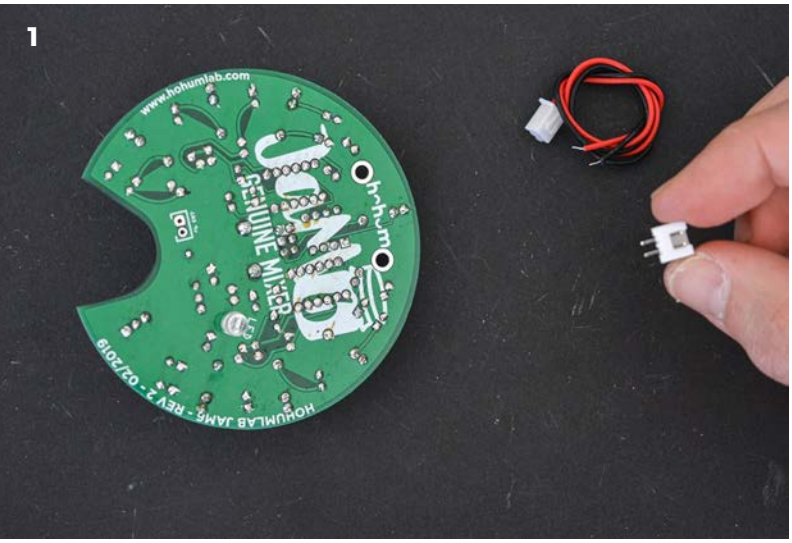


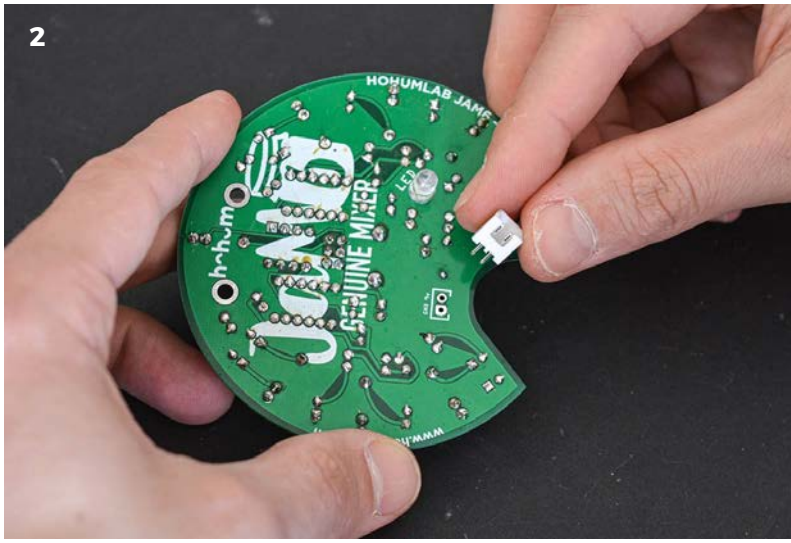


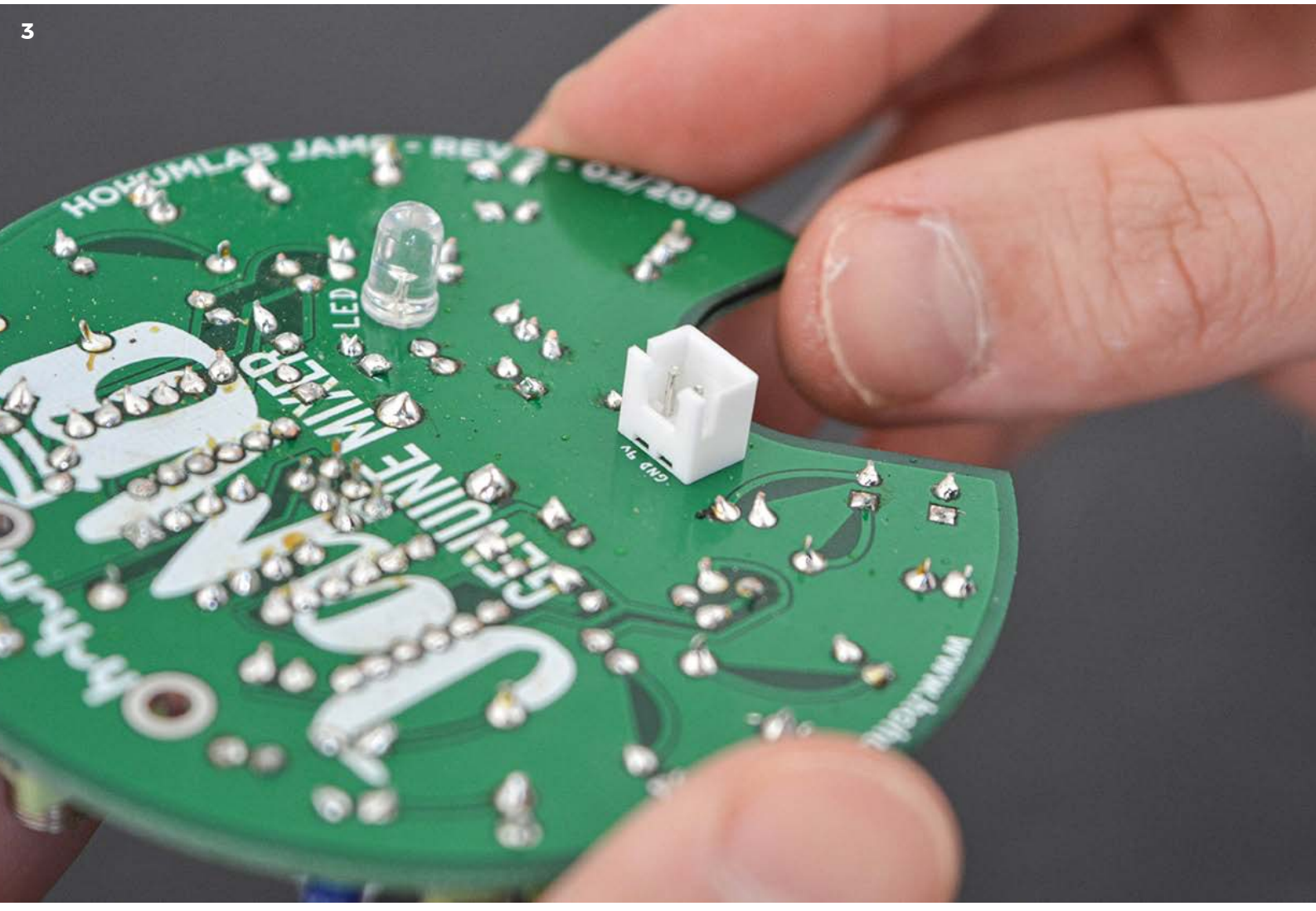


17.

Place the wire jumper connector on the backside of the PCB and solder it. **ATTENTION:** the label on the PCB is inverted. Place so the connector with the snap hole oriented to the JAM6 logo

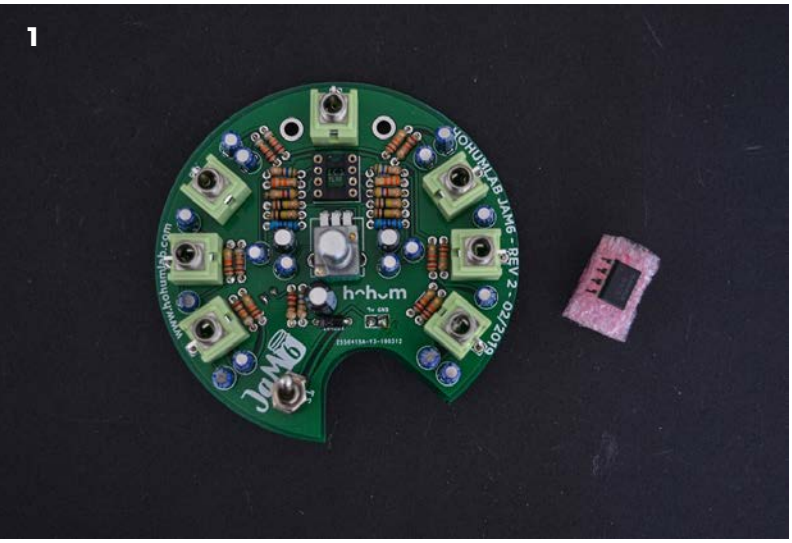


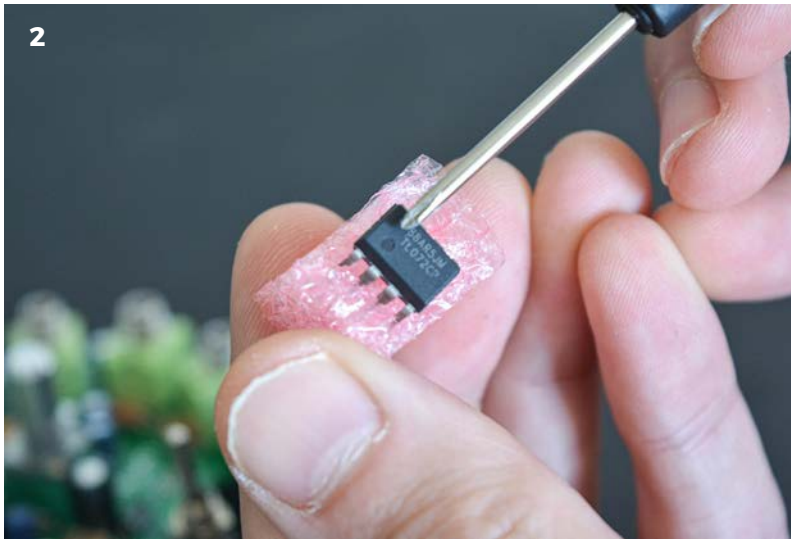


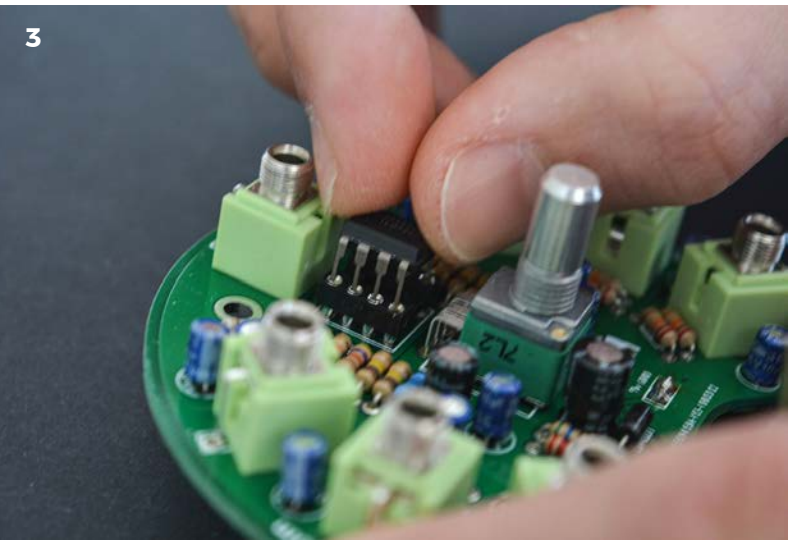


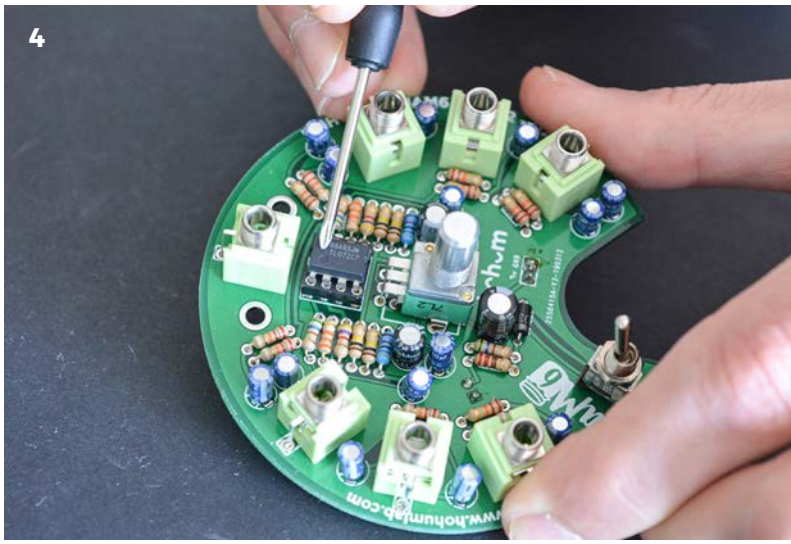
18.

Place carefully the IC (TL072/NE5532) into the DIP socket. Make sure the pin n.1 is pointing to the PCB edge or the mini jack port. The pin n.1 is marked with a circle or with a slot on the shorter side of the IC.



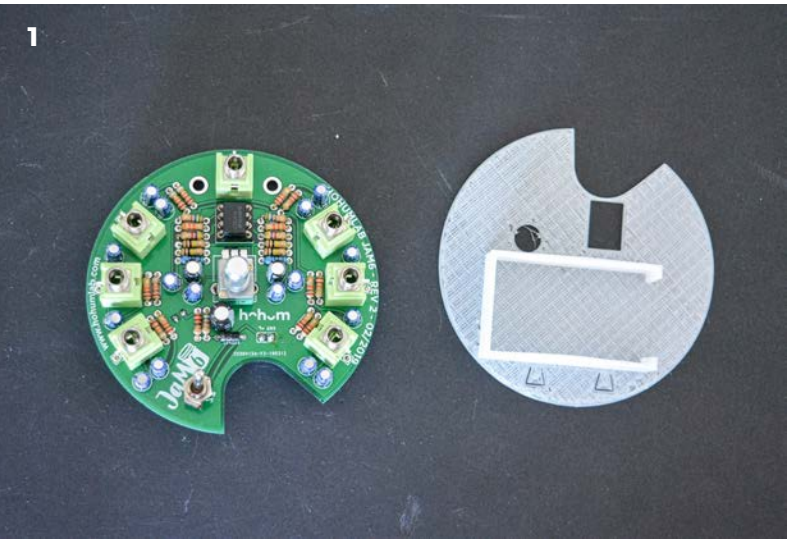


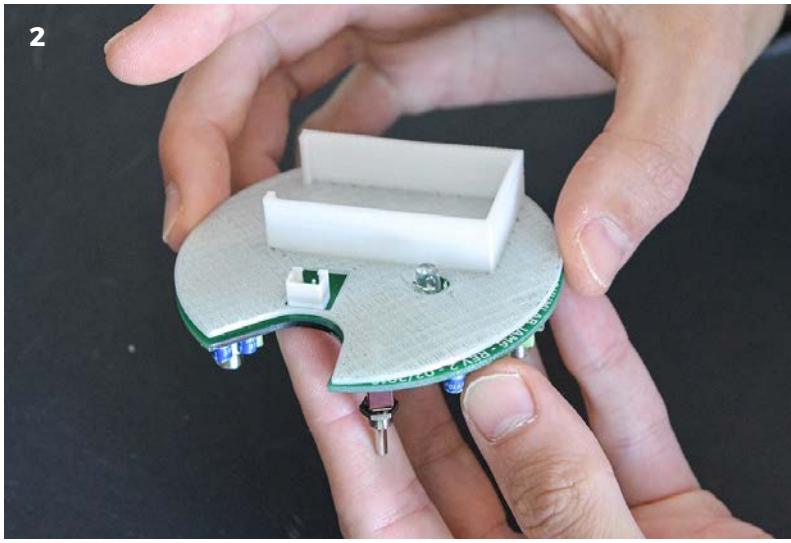


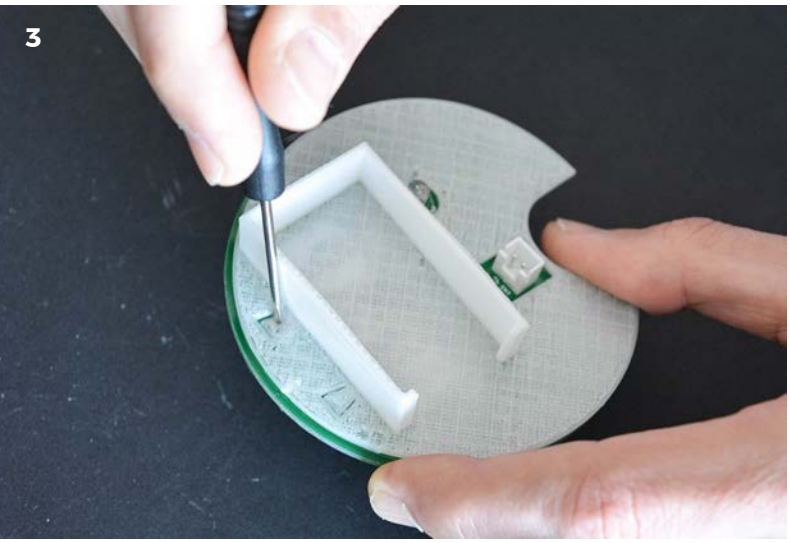


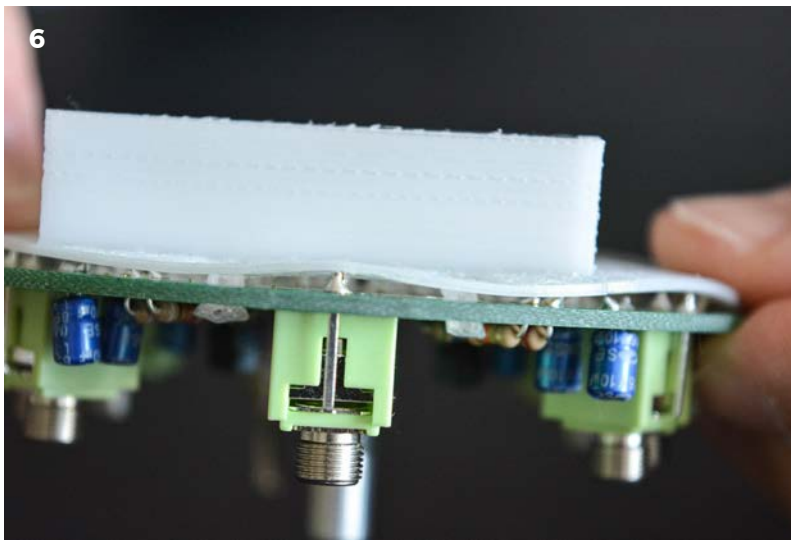
19.

Place the plastic isolating protection and battery holder on the backside of the PCB. Push the two plastic terminal into the PCB holes as shown in the picture.

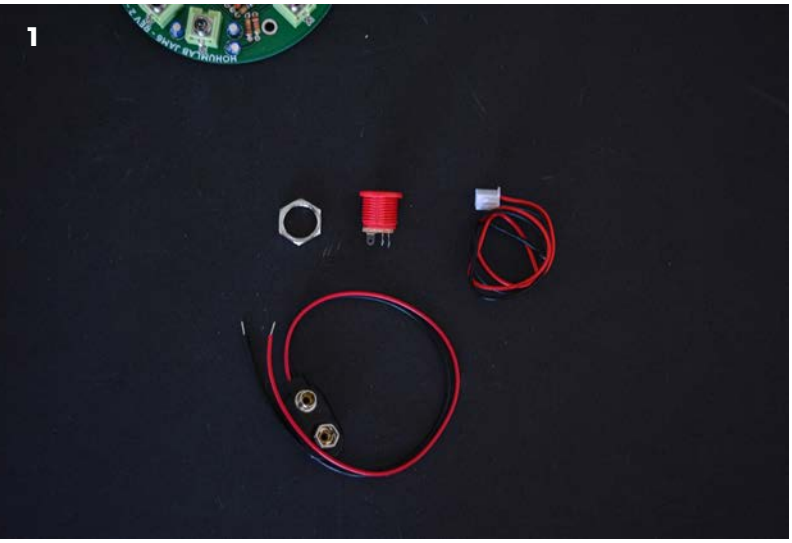


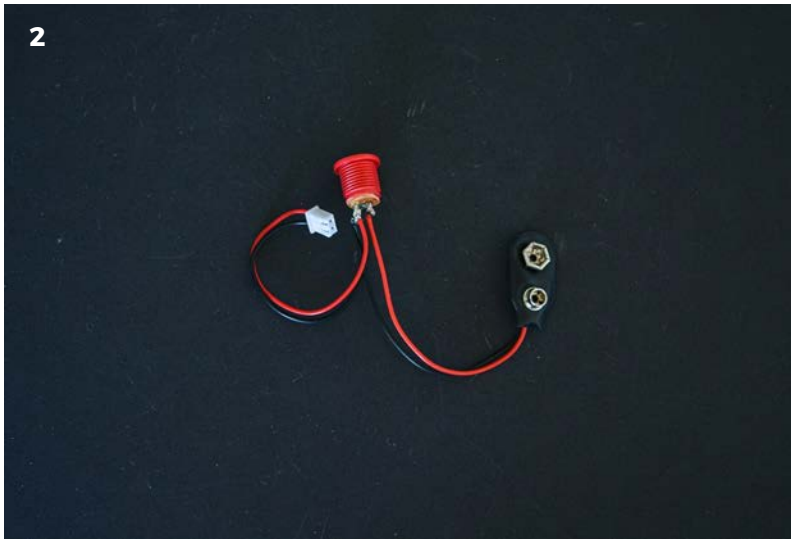






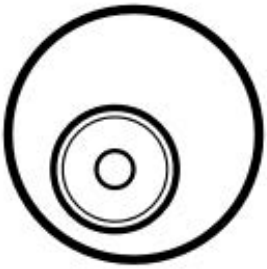
20. Solder now the battery clip wires and the jumper wires to the DC socket. Remove the nut from the DC socket if present and connect the wires as illustrated in the picture below. The 2 black wires must be routed together to the centred pin of the socket. The red wire from the battery clip is connected to the DC socket. This configuration will protect the battery wile connecting external supply.



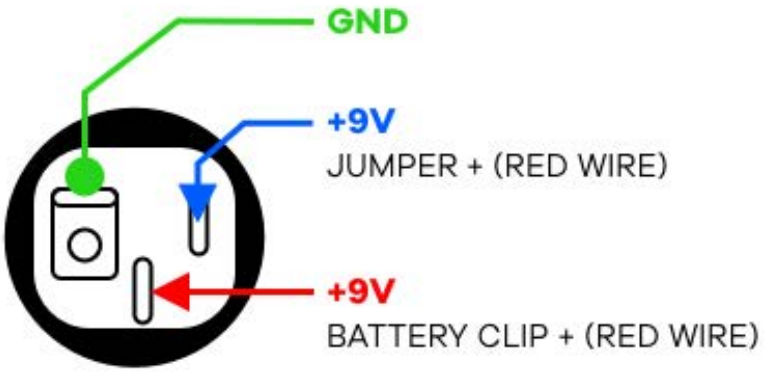


DC JACK CONNECTOR
PEDAL TYPE

DC 9-15v, Centred pin negative.



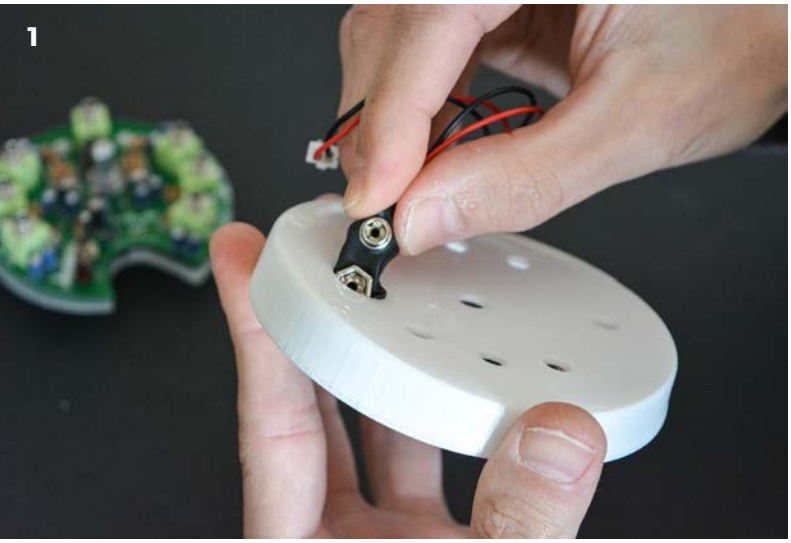
FRONT VIEW

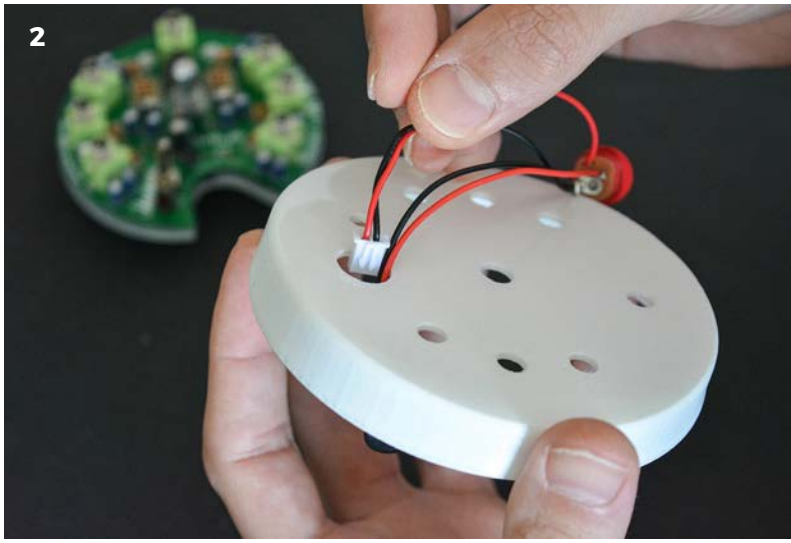


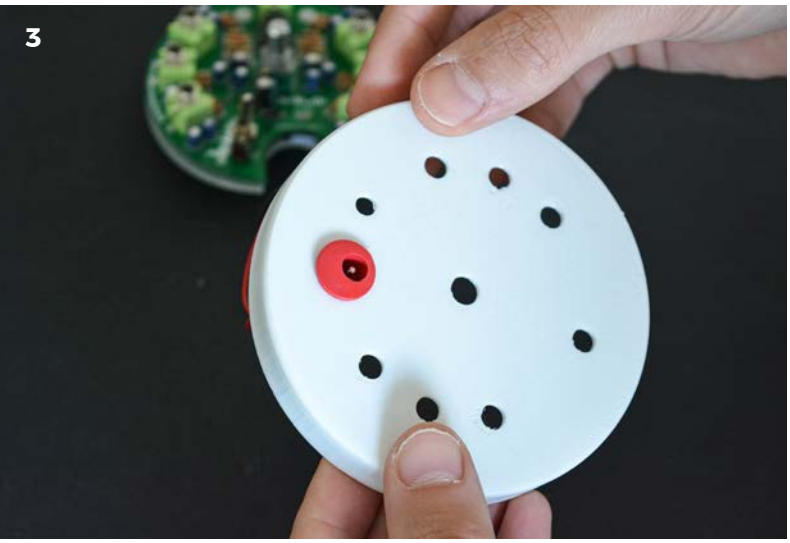
BACK VIEW

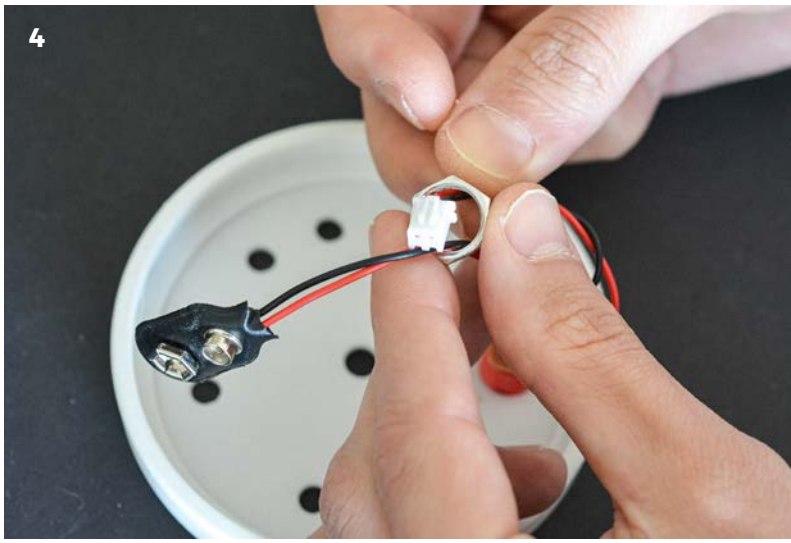
21.

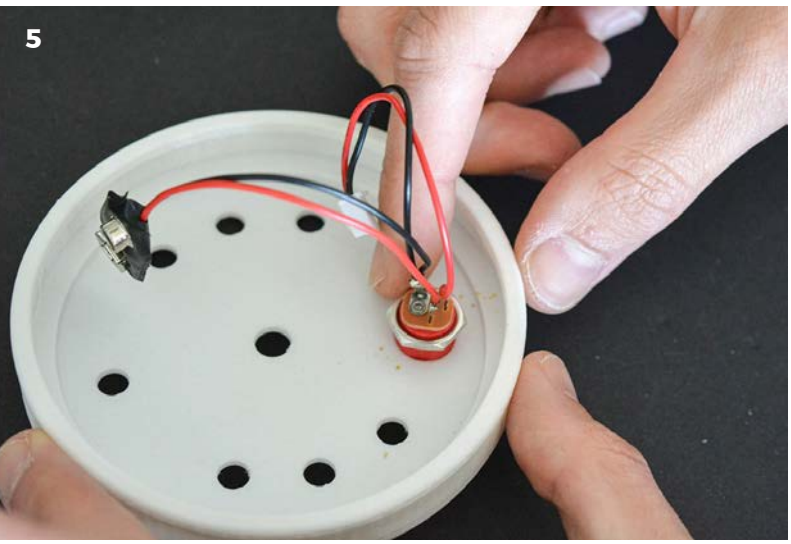
Take the plastic top cover and slide the power wires, the battery clip and the jumper connector through the hole as shown in the pictures. Use then the metal nut to stick the DC socket on the surface.

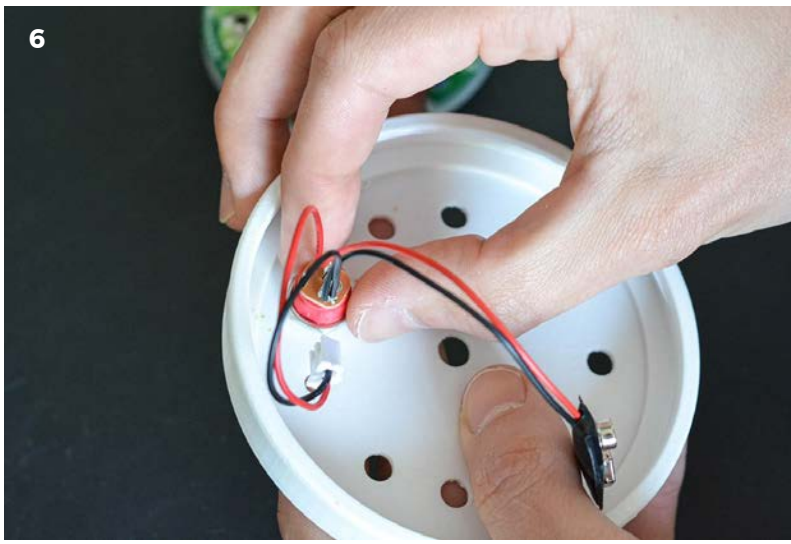






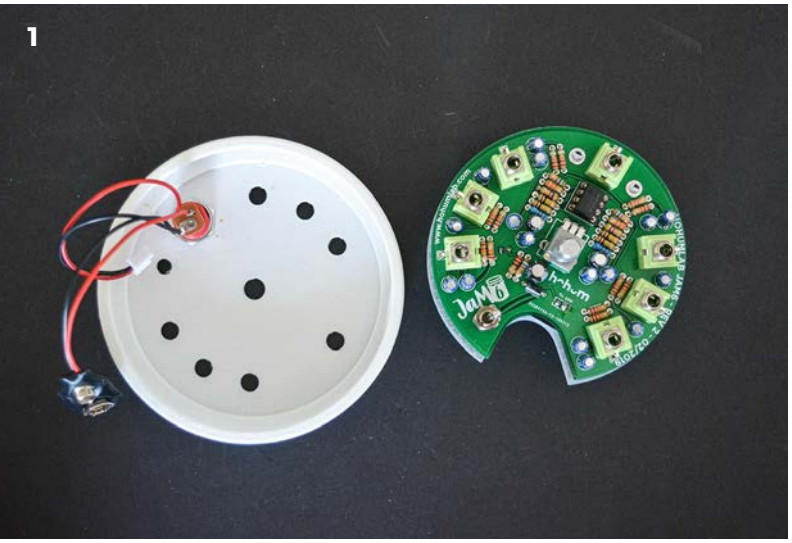


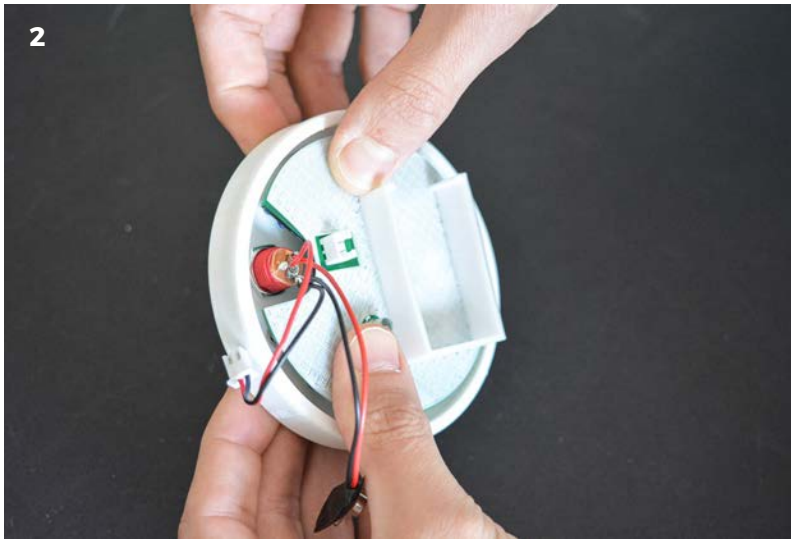


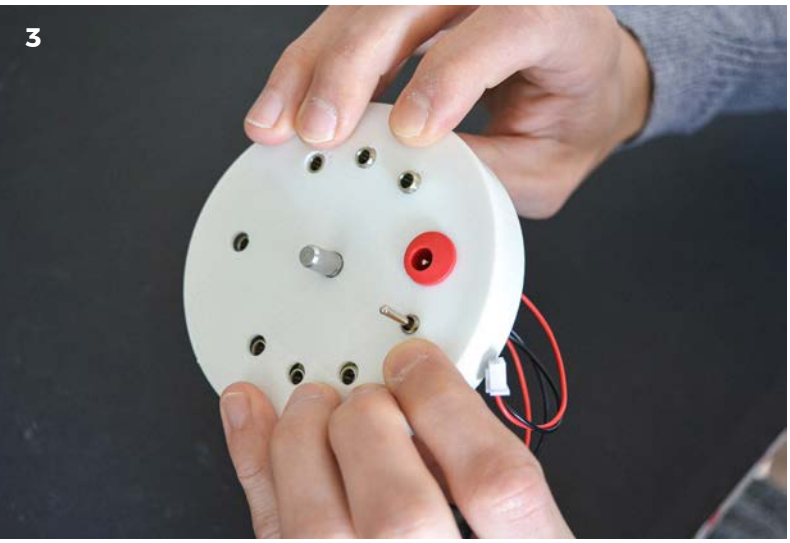


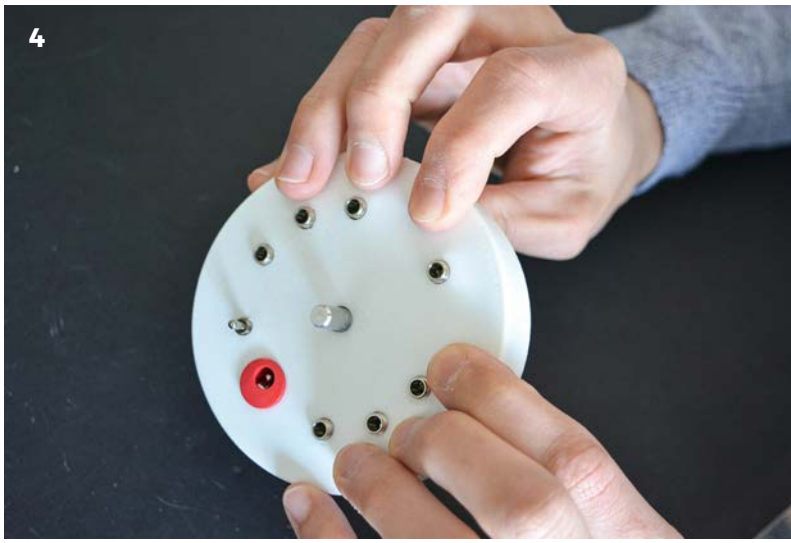
22.

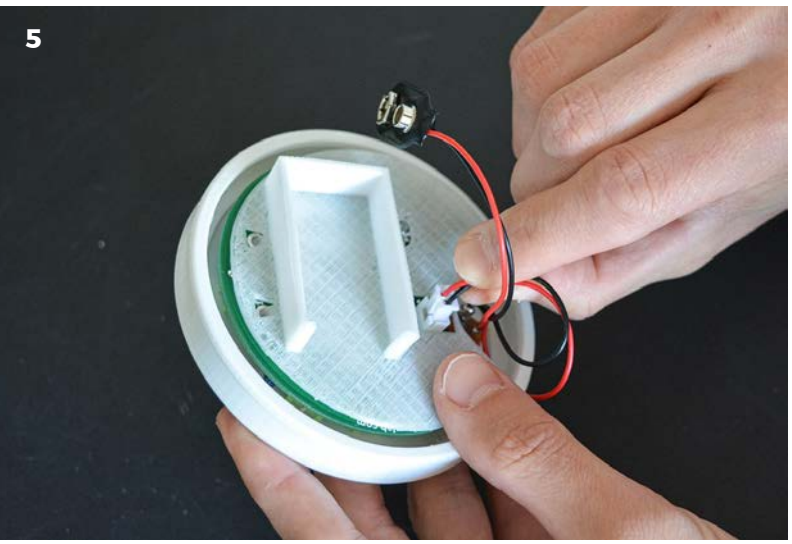
Attach now the assembled board to the plastic top cover. Let the jack ports, the toggle switch and the potentiometer, slide through the matching holes. Once done you can connect the jumper connector to the white header.

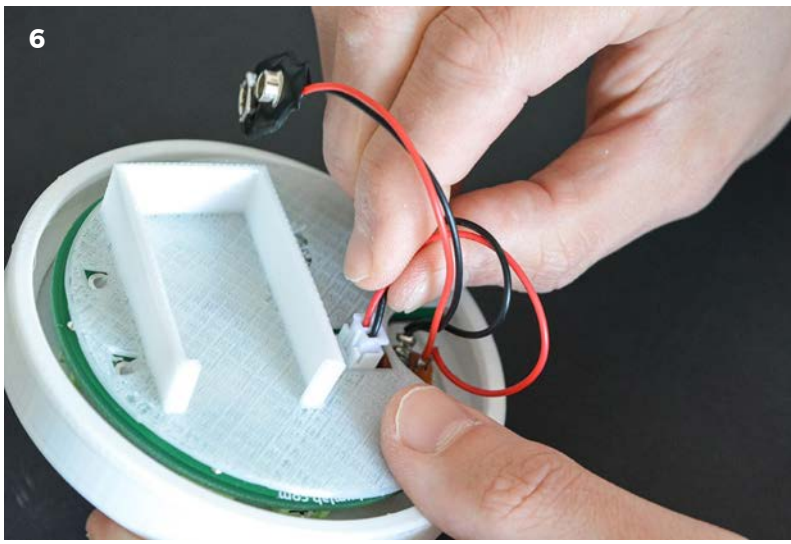






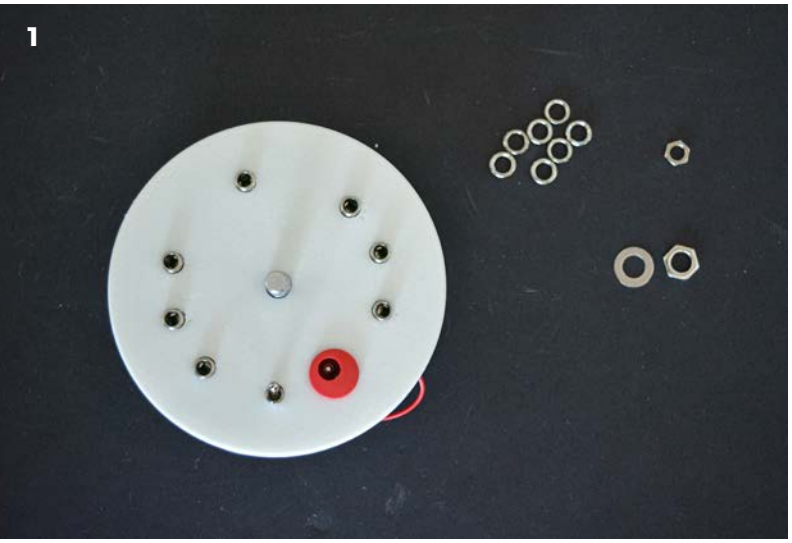


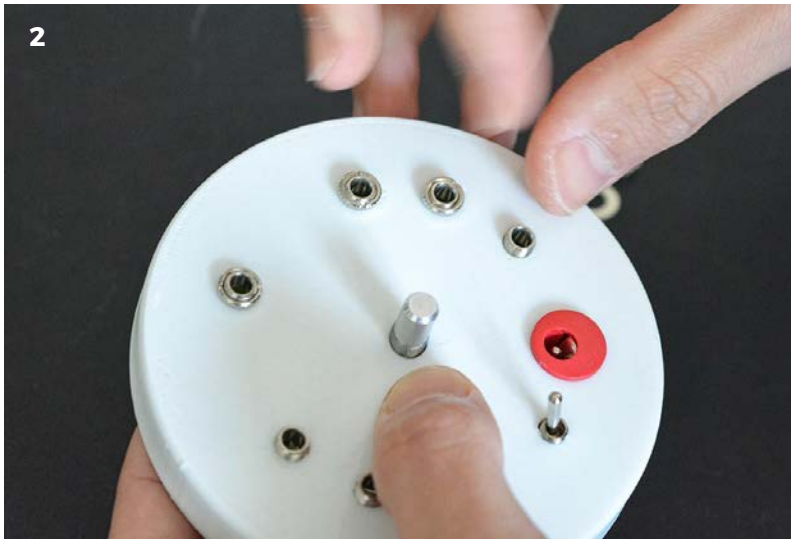


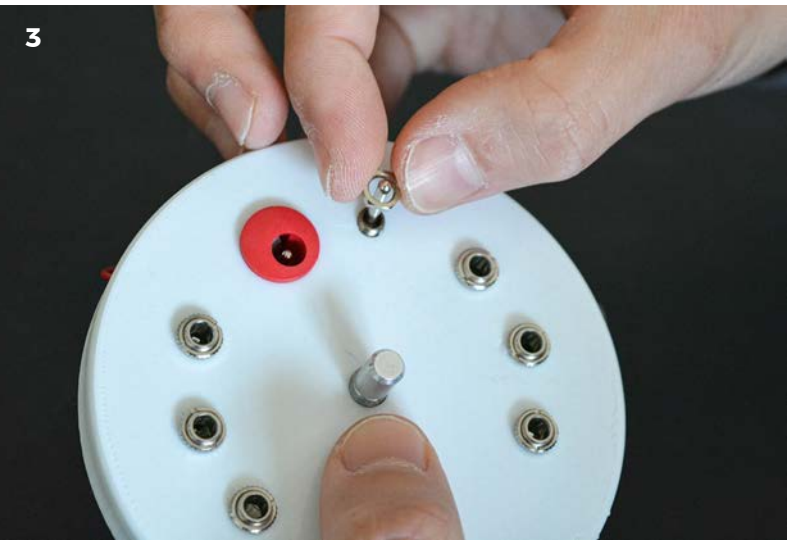


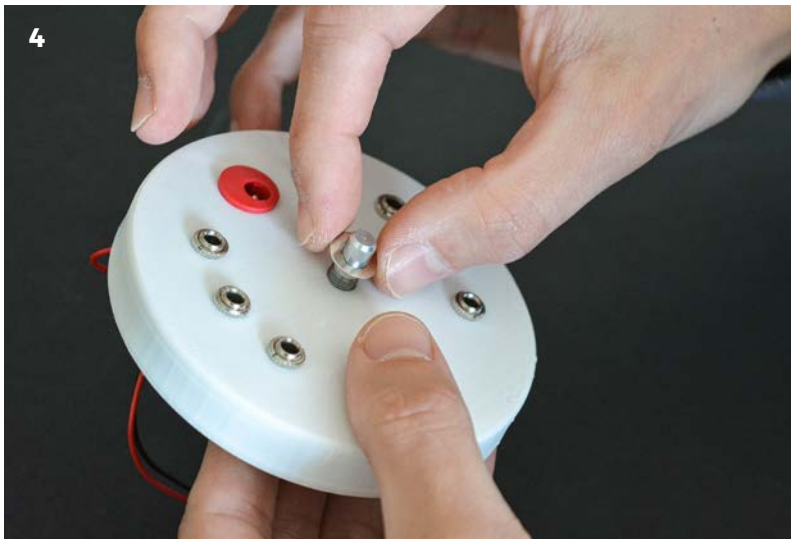
23.

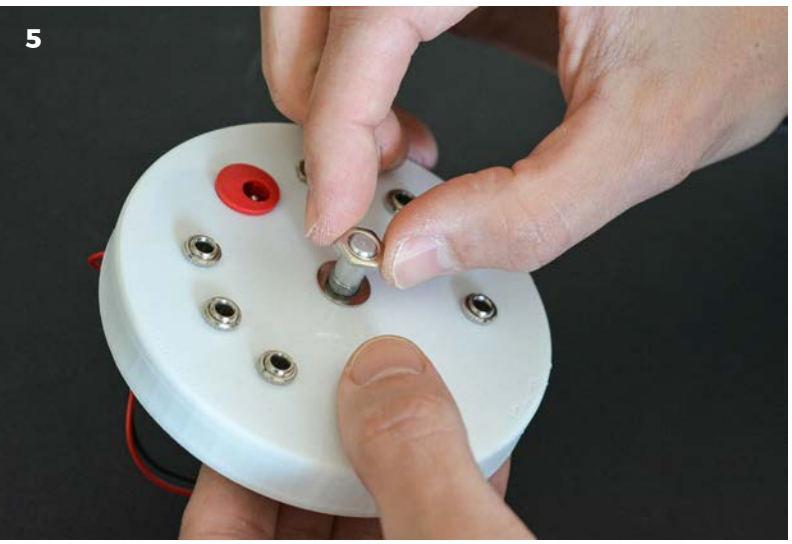
Place the washers and screws to stick the mini jack ports and the potentiometer to the plastic surface.

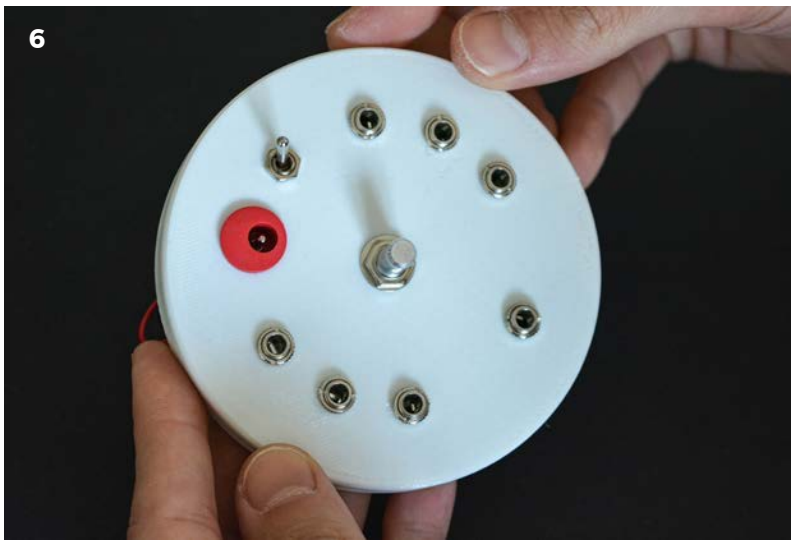




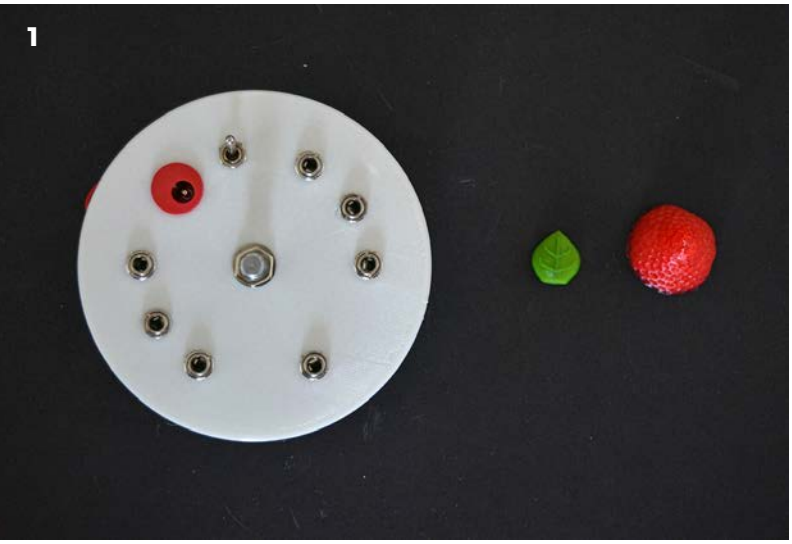


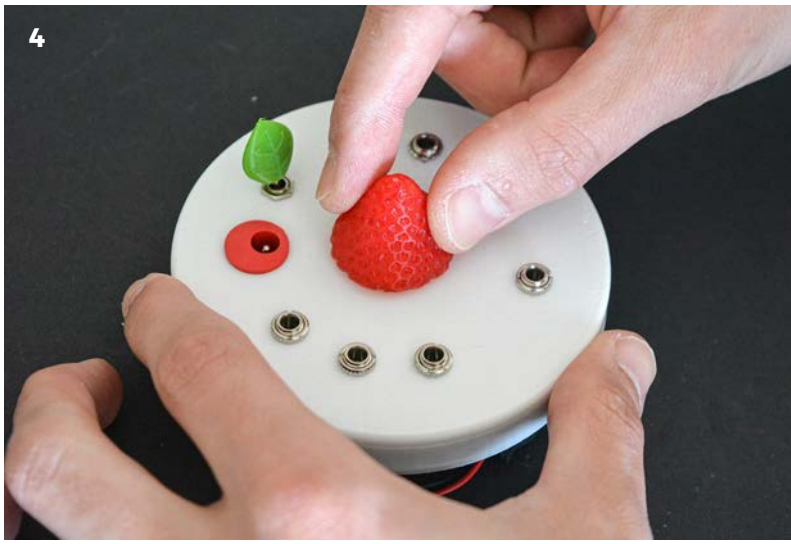




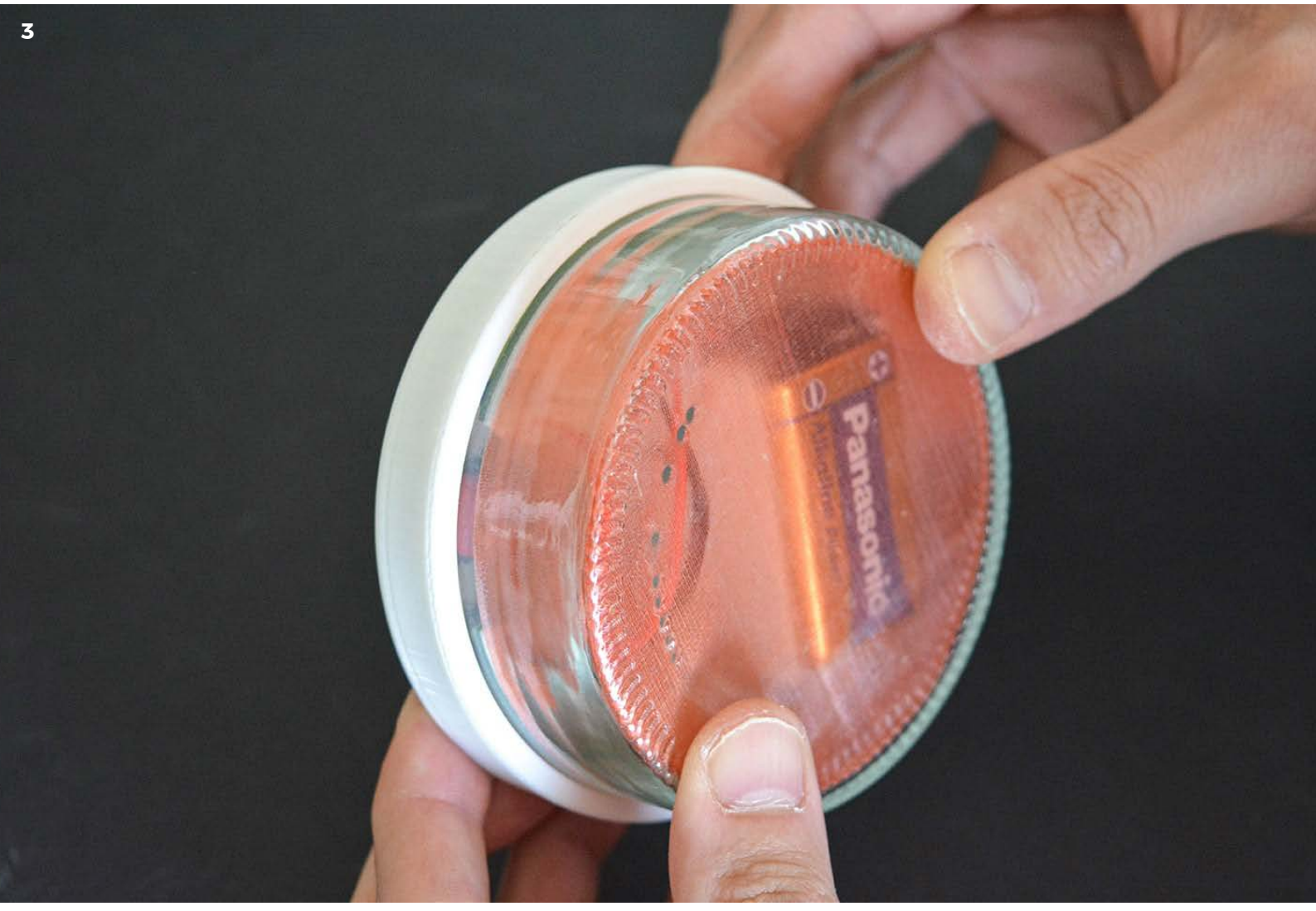


24. Place the strawberry knob and the leaf cap by pushing them in position as shown in the pictures.





25. Your assembly is now complete. You can place a 9v battery and close the jar. Your Jam6 is ready to mix up to 6 stereo channels. Run a test from each port and make sure everything is working fine.



AWESOME 👏

IT'S TIME FOR A JUICY MIX!

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