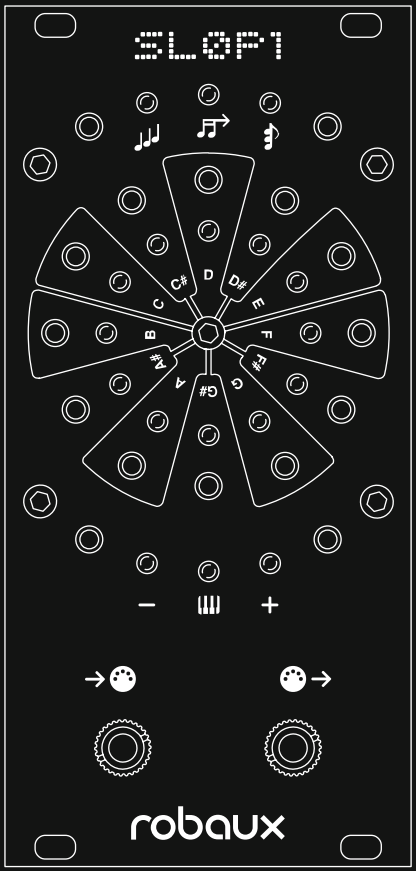


Assembly Guide

Assembly Guide

This kit contains everything you need to build your SLØP1, along with clear assembly instructions.

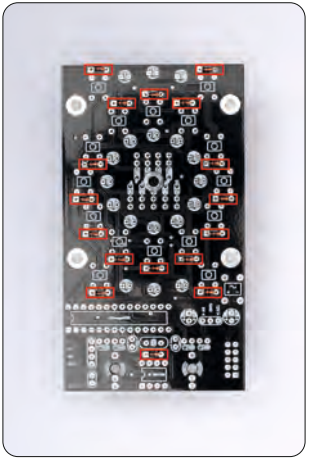
You'll need a soldering iron, wire cutter, solder, desoldering pump, and a nut driver.

Follow the steps carefully and in the correct order for the best results.

Robaux wishes you a fun and rewarding time building your SLØP1!

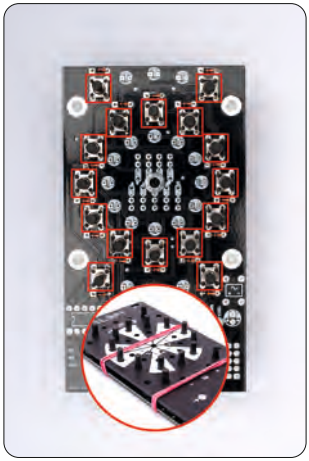
1 Diodes

Begin by soldering 17 diodes onto the board, as shown in the picture. Pay close attention to polarity: align the stripe on the printed diode symbol with the black mark on the diode.



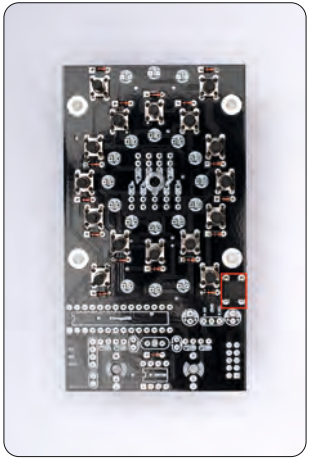
2 Buttons

Place the 16 buttons on the circuit board using the front panel as a guide. Secure it with a rubber band, solder the buttons, then remove the panel and rubber band and continue.



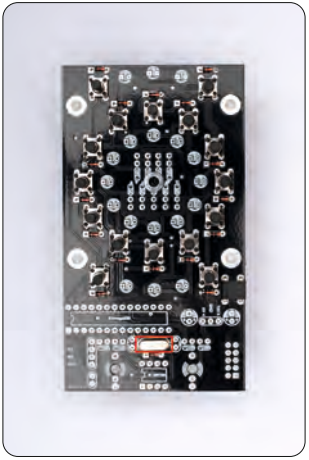
3 Rectifier

Now, solder the rectifier to the PCB according to the arrangement displayed in the picture. Ensure that the - and + symbols on the board align with the corresponding symbols on the rectifier.



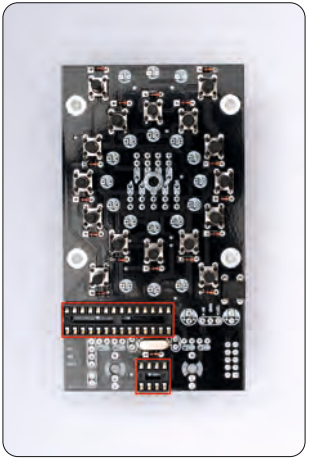
4 Crystal

Solder the 16MHz crystal as shown in the picture.



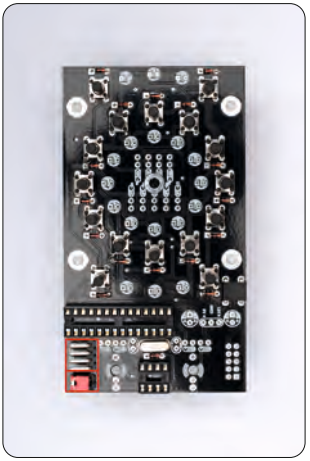
5 IC Sockets

Solder the IC sockets to the board, starting with the outer pins and then the remaining ones.



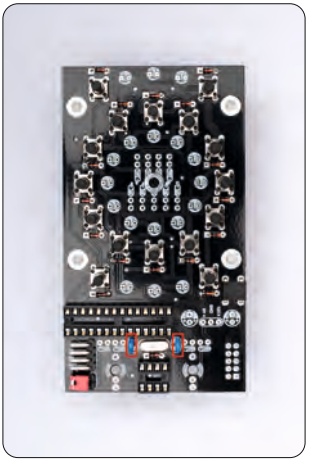
6 Pin Header

Place the pin header as shown in the picture. Solder the shorter pins of the header. On the 2-pin header, you can already attach the included jumper.



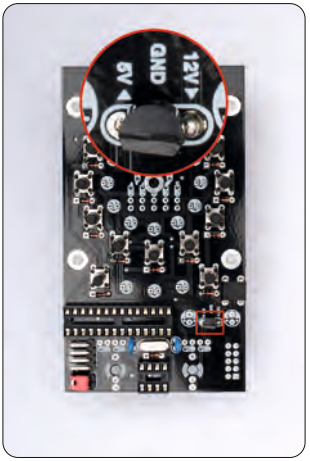
7 Capacitor 220

Solder the two 220 capacitors to the board as indicated in the picture.



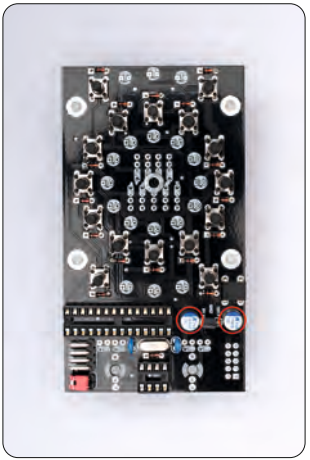
8 Voltage regulator

Solder the voltage regulator following the arrangement shown in the picture. Ensure the flat side faces down and the round side faces up.



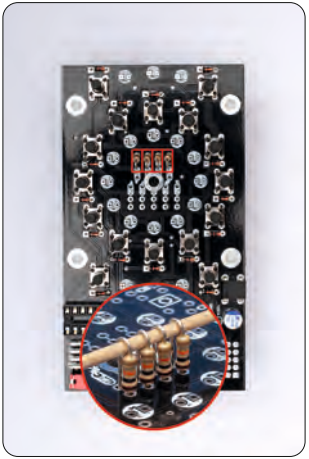
9 Capacitors

Solder the two Electrolytic Capacitors to the board following the picture. Pay attention to the Capacitors polarity, ensuring that the blue mark aligns with the mark on the PCB.



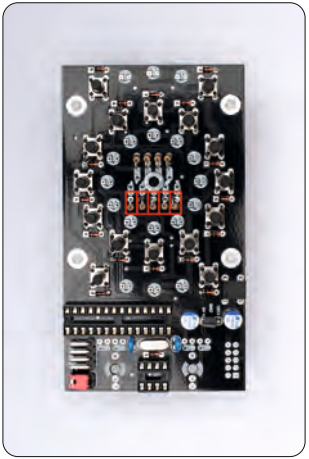
10 Resistor 10K

Solder the 1K resistors upright to the board following the arrangement in the picture. Identify the resistors by their color code: brown, black, red, gold. You can use a toothpick to help position the resistors neatly.



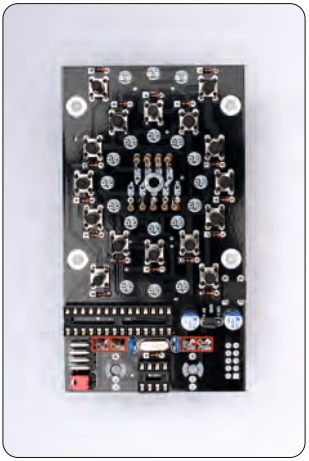
11 Resistor 2K

Solder the five 2K resistors upright to the board following the arrangement in the picture. Identify the resistors by their color code: red, black, red, gold.



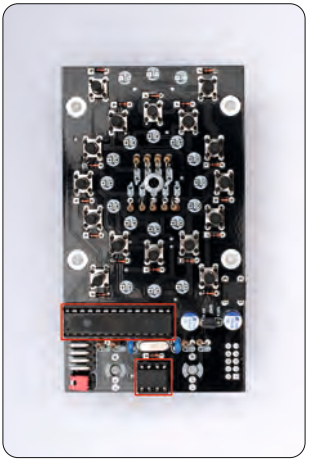
12 Resistor 220

Solder the four 220 resistors upright to the board following the arrangement in the picture. Identify the resistors by their color code: red, red, brown, gold.



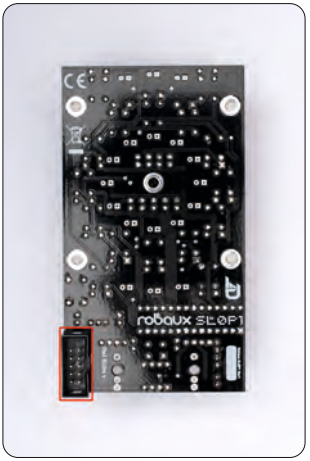
13 ICs

Insert the two ICs into the sockets with the notch facing left.



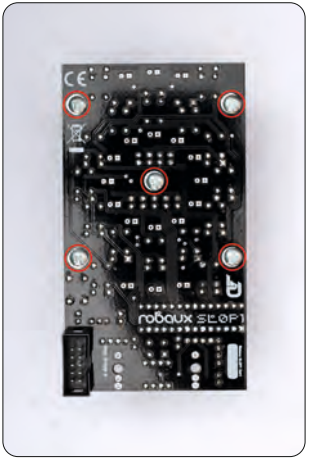
14 Power Socket

Flip the board over and solder the power connector onto the other side.



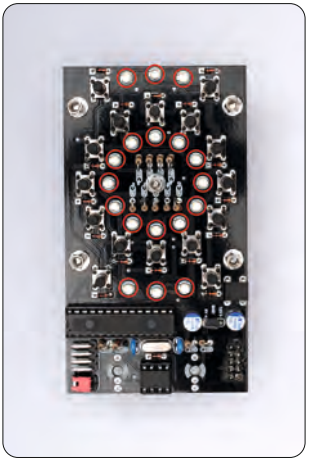
15 Standoffs

Screw the five standoffs to the back of the board using the included screws. Don't tighten them yet, so the panel can be aligned precisely afterward.



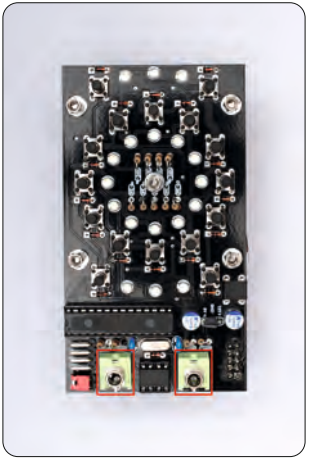
16 LEDs

Plug the 18 LEDs into the board according to the picture but **don't solder them yet**! Double-check the polarity: the long leg goes into the plus hole on the right, the short leg into the minus hole on the left, as seen from above.



17 Jacks

Insert the two MIDI sockets into the board, **but do not solder them yet!**



18 Skrews

Place the panel onto the board and screw it in place. Make sure all buttons are perfectly aligned and have enough clearance to move freely.

19 Nuts

Once everything is secured, fasten the MIDI sockets to the panel using the knurled nuts. Then solder the sockets to the board. Next, push the LED heads up to the front panel and solder them in place.

robaux.io