
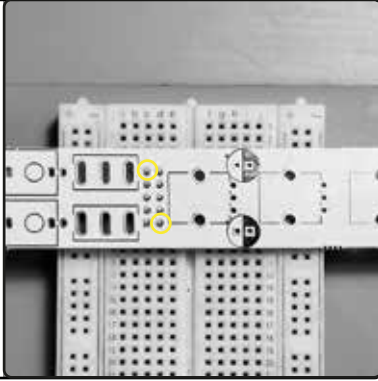




01 Power connector

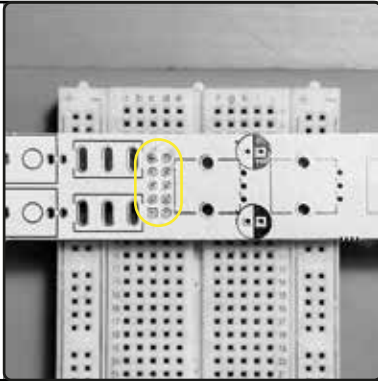
To make soldering of the connector easier, start by soldering two opposite pins as shown in the picture. Then solder the rest of the pins.

 you can use a breadboard to hold the connector while you solder it.



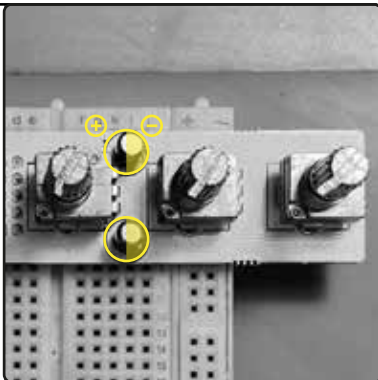
02 Cleaning

Clean flux residue using Isopropyl alcohol and a soft brush.



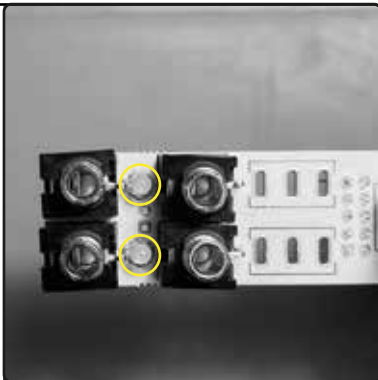
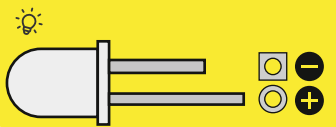
03 Place Pots & Caps

Start by placing the potentiometers, then place the polarized capacitors. Be sure to place the cathode (-) represented by a white band on the capacitor with the black half circle on the silkscreen.



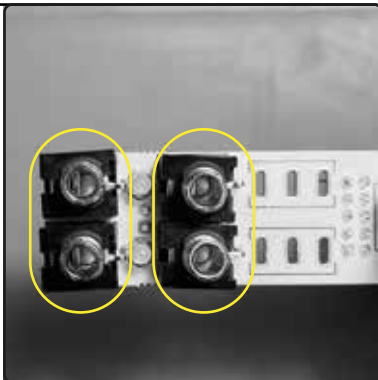
04 Place LEDs

The shortest leg of the LED is the cathode (-). place the cathode in the square hole as shown on the picture.



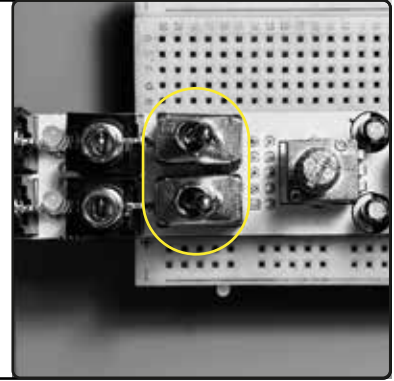
05 Place Jacks

Once the LEDs are installed you can place the jacks



06 Place Switches

Once the jacks are installed you can place the switches.



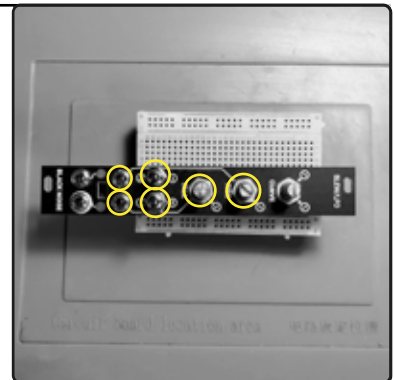
07 Place faceplate

Once all the components are installed you can place the faceplate and screw the components starting with the potentiometer and the jacks as shown in the picture.



08 Faceplate 2

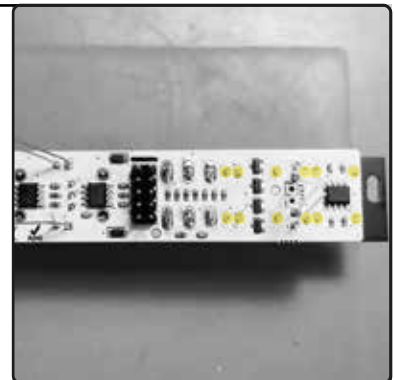
Screw the rest of the components, namely the 2 jacks, the 2 potentiometers and the 2 switches.



09 Solder Jacks

Start by soldering the jacks sockets, make sure they are flush with the PCB and make sure to not solder the LEDs for the moment.

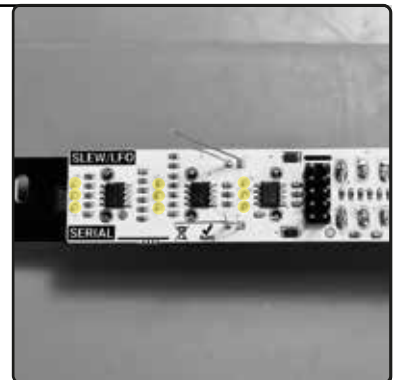
Pads to solder are highlighted in yellow



10 Solder Pots

Once the socket jacks are soldered, solder the potentiometers.

Pads to solder are highlighted in yellow

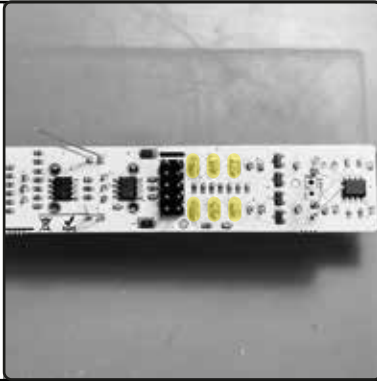




11 Solder switches

Once the potentiometers are soldered, solder the switches.

Pads to solder are highlighted in yellow



16 Place expander

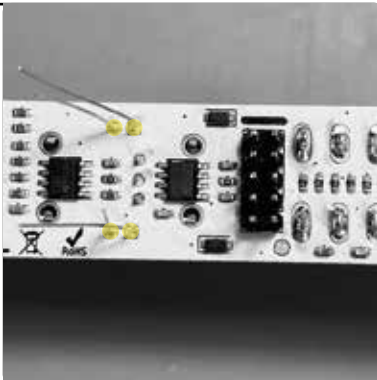
Place the speed expander from the faceplate, you can use a pair of pliers to help you.



12 Solder Caps

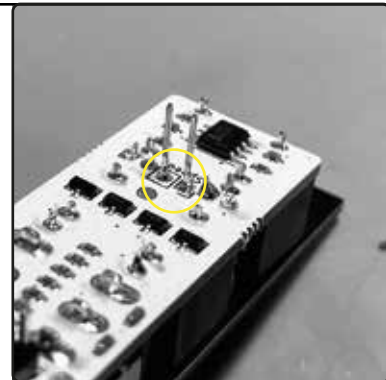
Once the switches are soldered, solder the two polarized capacitors.

Pads to solder are highlighted in yellow



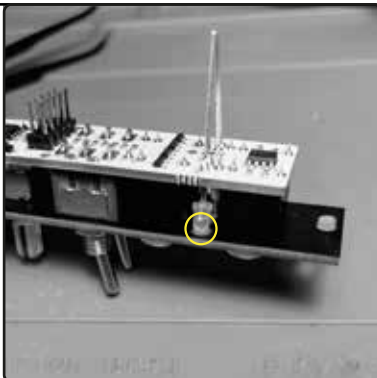
17 Solder expander

Solder the speed expander from the back of the module. You can use a third hand to hold the connector while you solder it.



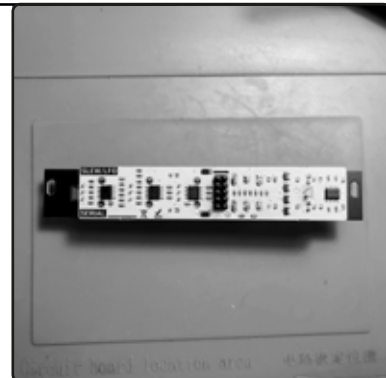
13 Solder LEDs

Before soldering the LEDs make sure that they are correctly placed. the LEDs must be aligned with the diffusers on the faceplate. the top of each LEDs must touch the faceplate.



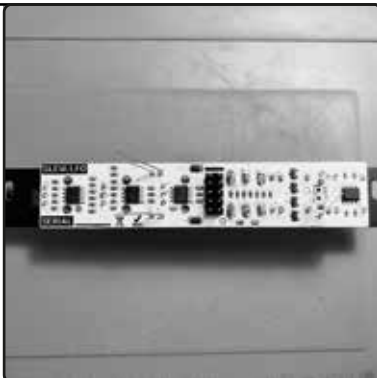
18 Cleaning

Clean flux residue using Isopropyl alcohol and a soft brush.



14 Check

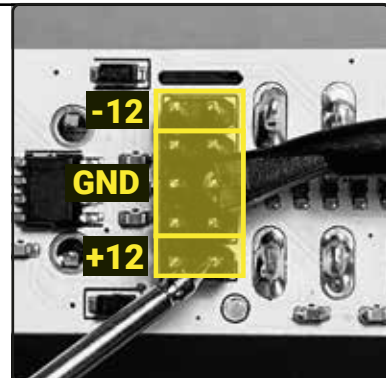
Before going to the next step make sure that all the components have been soldered then go to the next step.



19 Check continuity

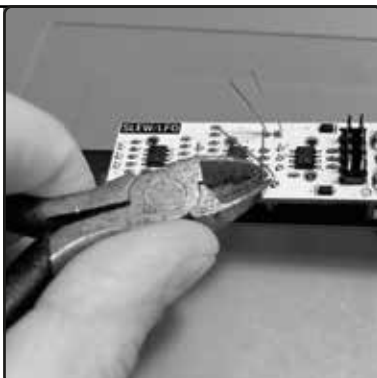
Set your multimeter to "continuity", connect one of the probe to one the the ground pin. Test +12V and -12V pins with the other probe. your multimeter should not ring, if it rings there is a short.

in case of short contact us at: contact@blacknoisemodular.com



15 Trim THT legs

Cut the legs of the LEDs and capacitors as close as possible to the PCB.



20 Place knobs

Place the potentiometers at 0, align the white dot on the knob with the potentiometer. Press the knob halfway and turn the pot to full to check that the knob is well placed. Once the knob is correctly placed, pushed into the bottom.





21 Test

Once you module is finish connect the power cable plug it into your rack and test it. To find more info on how to connect the power cable and test your module use the QR code below to access the manual.



Manual

To get info on how connect power cable, functionally, patch ideas and more flash this QR code.

