

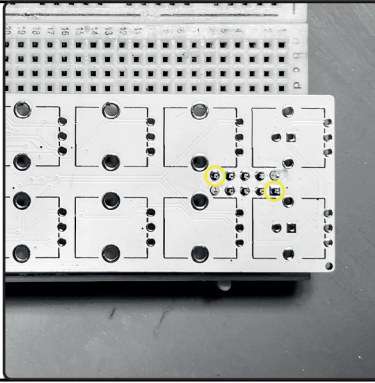


### 01 Power connector

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.*

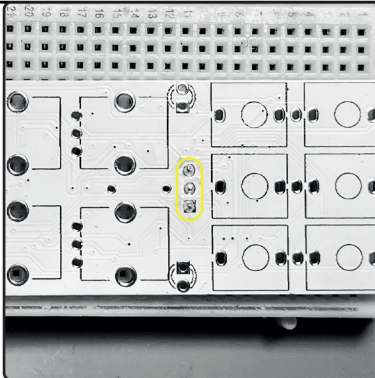


### 02 Routing connector

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.

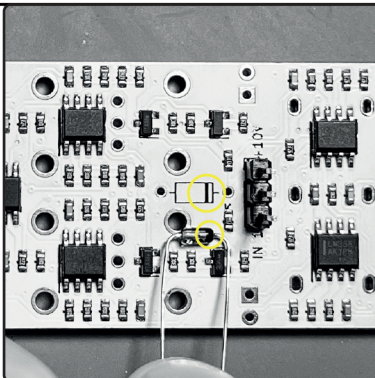


*you can use a breadboard to hold the connector while you solder it.*



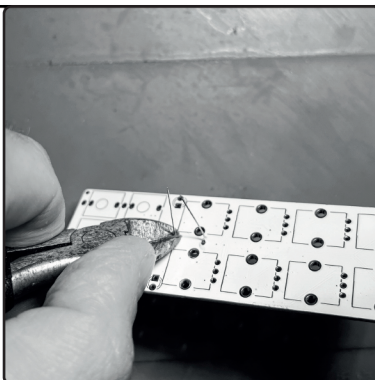
### 03 THT diode

Before soldering the diode make sure to place it correctly. The black mark on the diode must be aligned with the black line represented on the silkscreen as shown in the picture.



### 04 Trim Diode legs

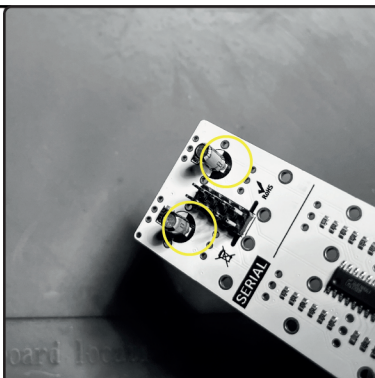
Once the diode is soldered, turn the PCB over and cut the legs of the diode as close as possible to the PCB.



### 05 THT capacitors

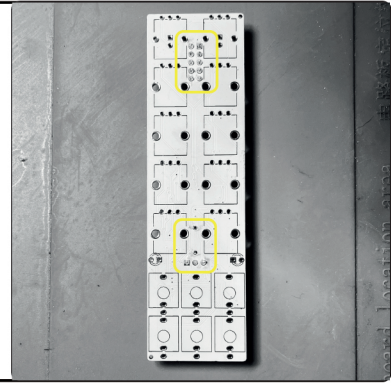
The cathode (-) represented by a white band on the capacitor must be aligned with the black mark on the silkscreen as shown in the picture.

*Once the capacitors are soldered, cut the leads as shown in step 4.*



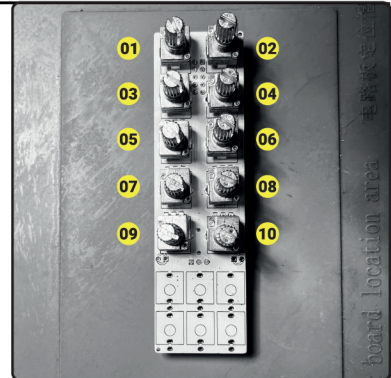
### 06 Cleaning

Clean flux residue using Isopropyl alcohol and a soft brush.



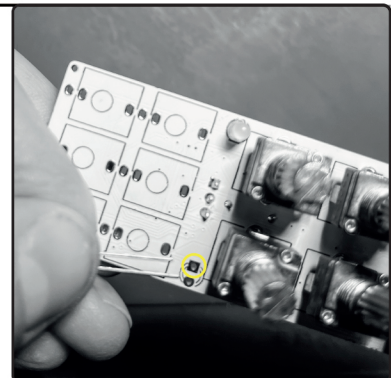
### 07 Potentiometers

Place the potentiometers starting with those closest to the power connector.



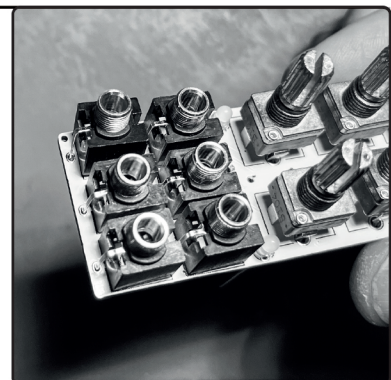
### 08 THT LEDs

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



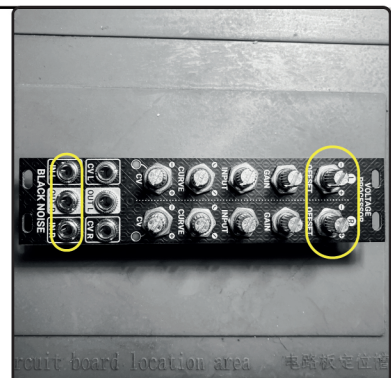
### 09 Jacks sockets

Before placing the jacks make sure that none of the legs of the sockets are bent then place the them.



### 10 Faceplate

Carefully place the face plate on the module and screw in each socket and each potentiometer. Start with the sockets and pots at the end as shown in the picture.

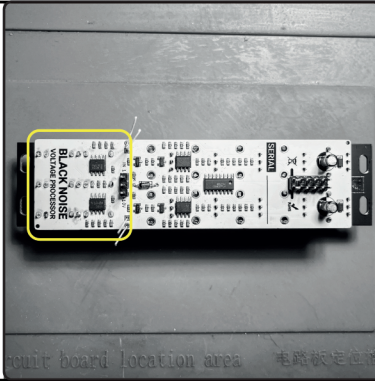






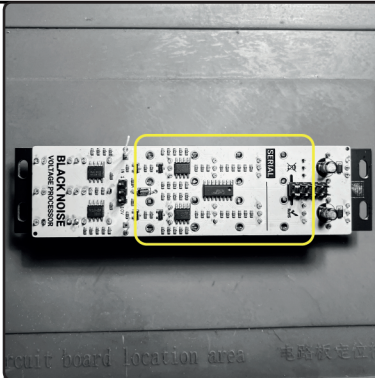
### 10 Solder Jacks

Start by soldering the jacks, before soldering each jack make sure there is no gap between the PCB and the jack.



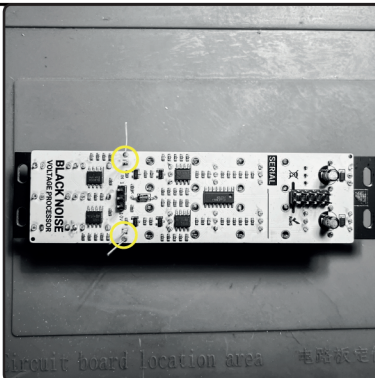
### 11 Solder Pots

Solder each potentiometer.



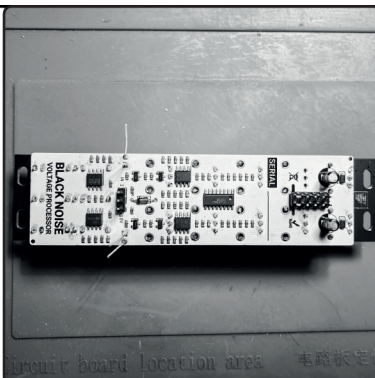
### 12 Solder LEDs

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.



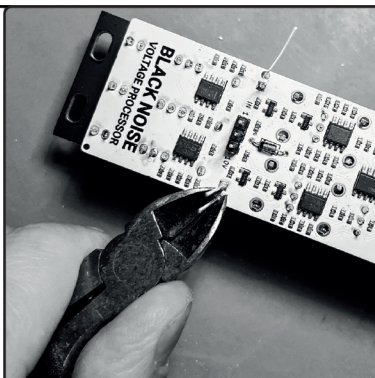
### 13 Check

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



### 14 Trim LEDs legs

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



### 15 Cleaning

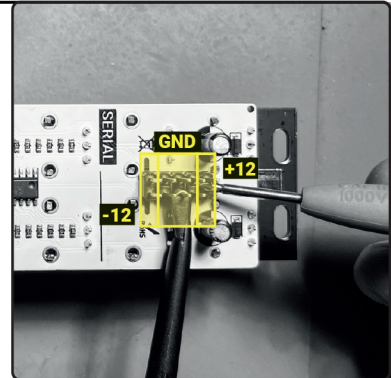
Clean flux residue using Isopropyl alcohol and a soft brush.



### 16 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](mailto:contact@blacknoisemodular.com)*



### 17 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.



### 18 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.

