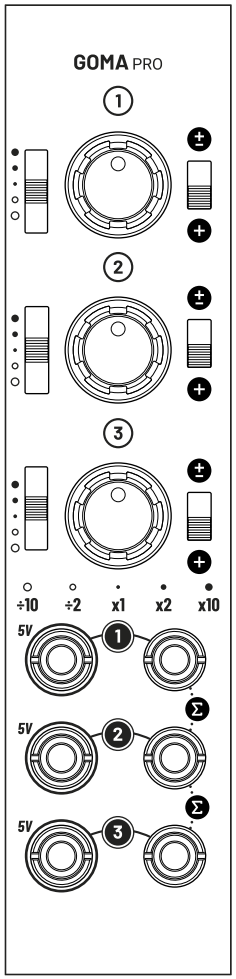


GOMA Pro

Build Instructions

V1.0

KIT CONTENTS

Thank you for purchasing GOMA Pro DIY Kit.

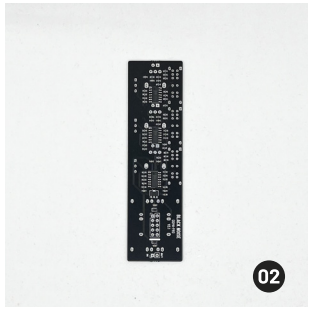
BEFORE ASSEMBLING YOUR KIT, MAKE SURE YOU HAVE ALL THE COMPONENTS.

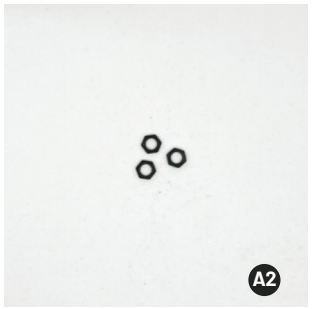
01-Faceplate
02-PCB Main Board

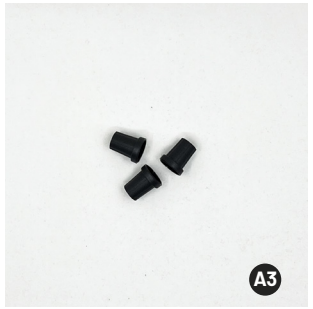
BAG A
A1 Pot-D B100K **03pcs**
A2 Pot Nut Blk **03pcs**
A3 M Knob **03pcs**
A4 M Knob Cap **03pcs**
A5 Switch 2P **03pcs**
A6 Switch 5P **03pcs**
A7 Jack Socket **06pcs**
A8 Jack Nuts **06pcs**

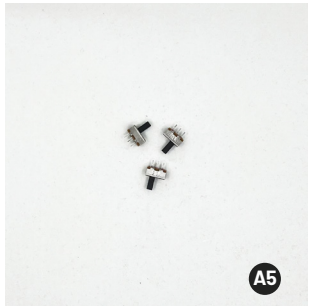
BAG B
B1 LED Dual R/G **03pcs**
B2 LED Spacers **03pcs**
B3 PinHeader 2x5 **01pcs**
B4 PinHeader 1x2 **01pcs**
B5 Exp Cable **01pcs**
B6 Power Cable **01pcs**

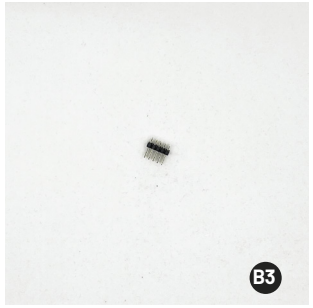
WARRANTY
BLACK NOISE warrants the contents of this kit to be free of defects in materials or workmanship and to be conform with the specifications at the time of shipment for a period of two years from the date of purchase. We do not warrant, and we do not repair or take in modules to troubleshoot end-user DIY build faults or second hand DIY products. BLACK NOISE cannot be held responsible for any damage caused by one of our DIY kits and resulting from an end-user DIY build faults.

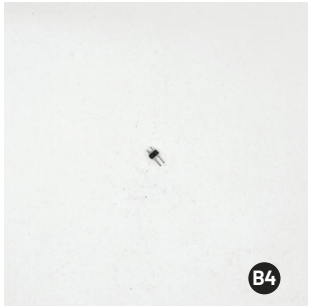










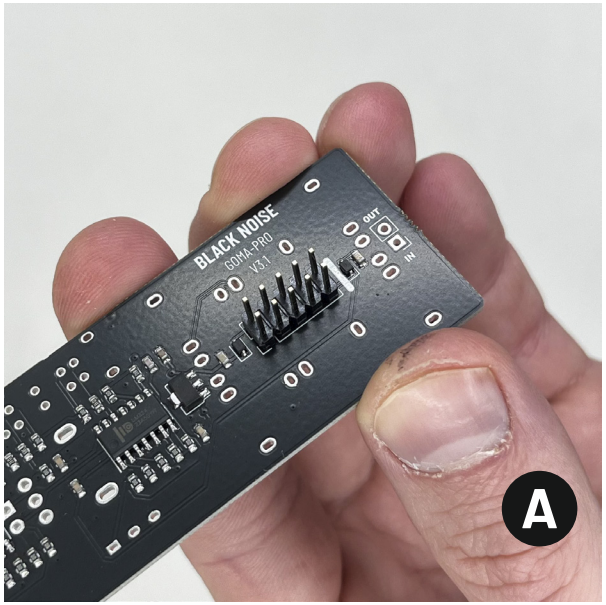


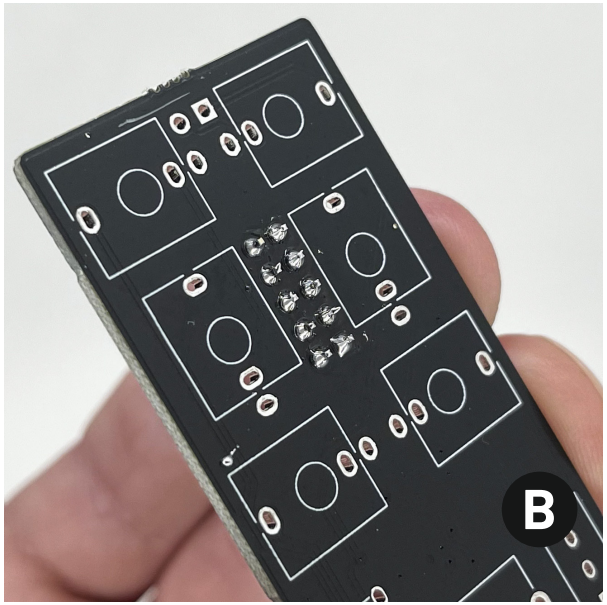
A1

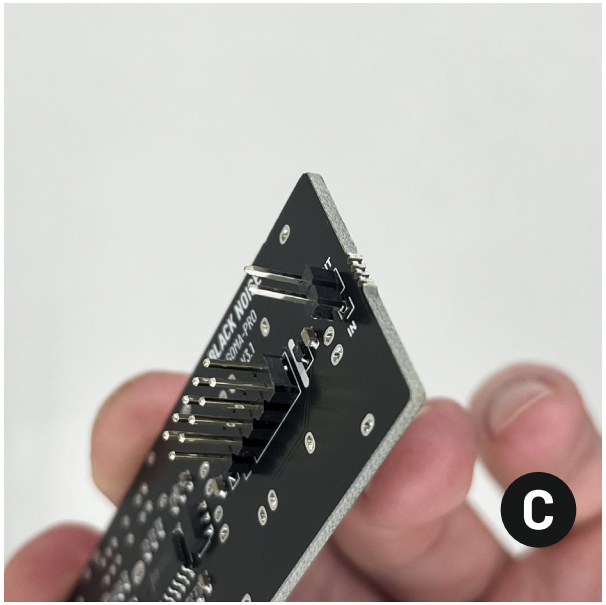
Power connector
Place the 10-pin power connector on the back of the PCB as shown in image **A**.
Flip the PCB over and solder the 10-pin power connector, making sure it is properly aligned and flush with the PCB as shown in image **B**.

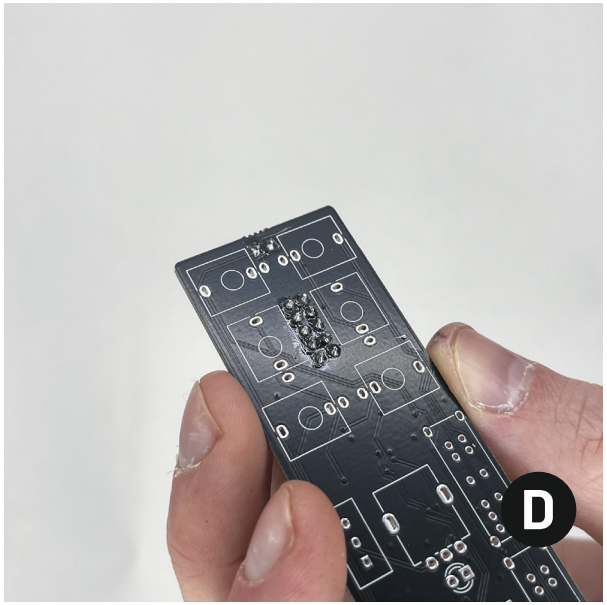
Daisy chain connector
Place the 2-pin daisy chain connector on the back of the PCB as shown in image **C**.
Flip the PCB over and solder the 2-pin daisy chain connector, ensuring it is properly aligned and flush with the PCB as shown in image **D**.

Check & Clean
Once both connectors are soldered, check for any cold solder joints or bridged pins.
Clean off any flux residue using isopropyl alcohol and a soft-bristle brush.







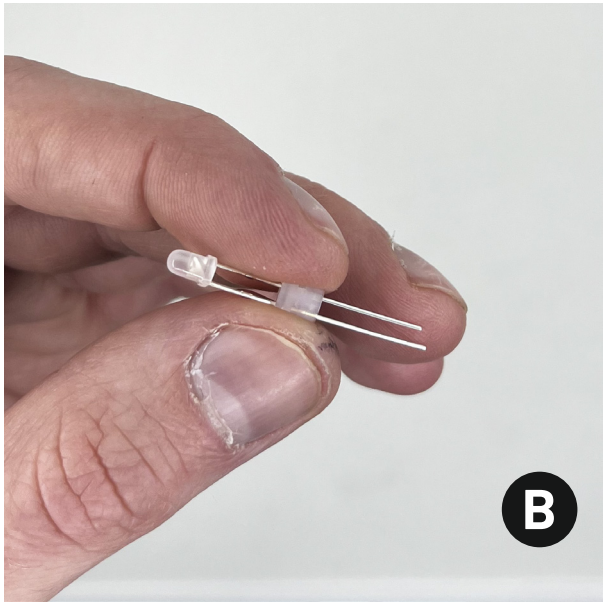


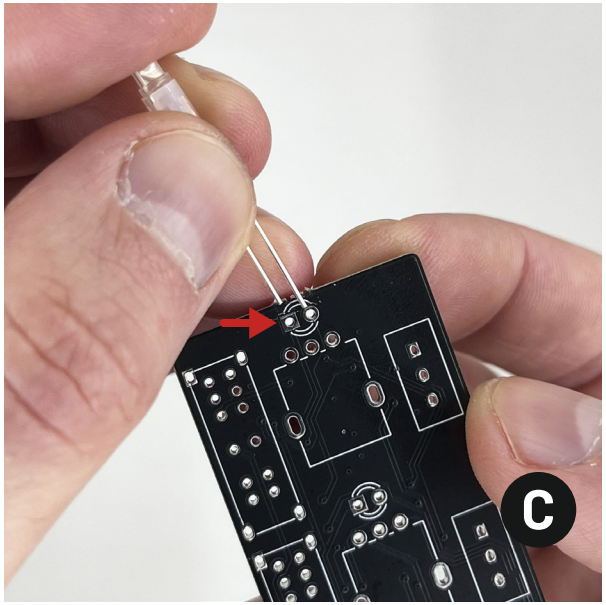
LEDs & Spacers

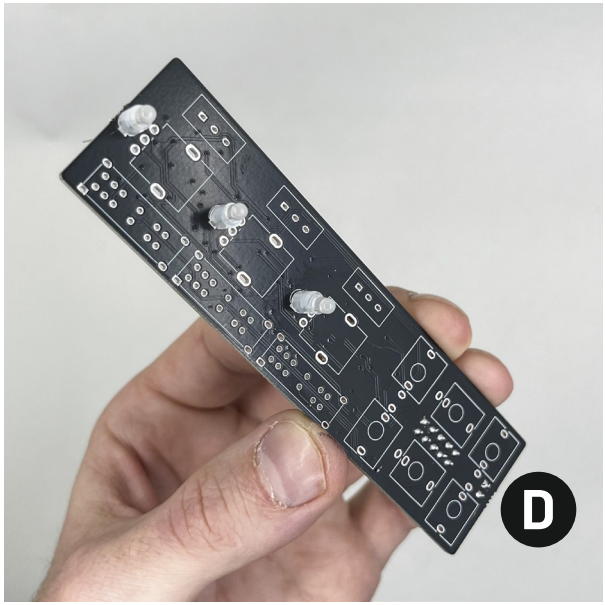
Place each LED spacer onto one of the bicolor LEDs as shown in image **A**.
Slide the LED spacers along the LED leads and make sure they are firmly against the head of the LEDs.

Place each LED with the spacers onto the PCB, make sure that the shorter lead of the LED aligns with the square hole on the LED footprint as shown in image **C**.

Repeat this process for each of the 3 LEDs as shown in image **D**.







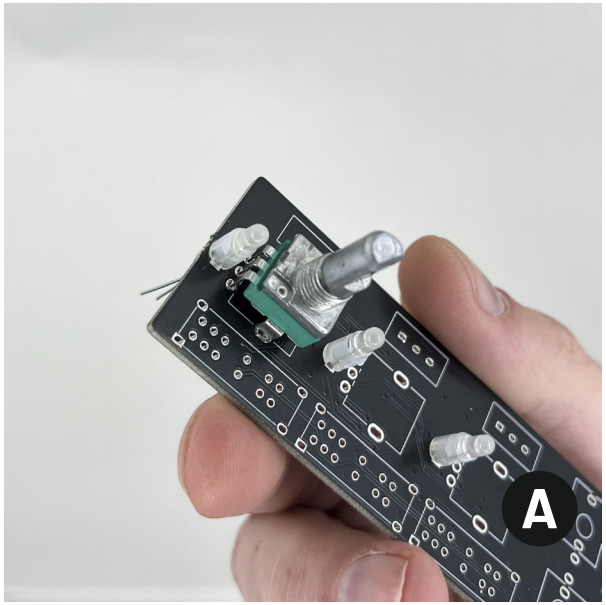
A3

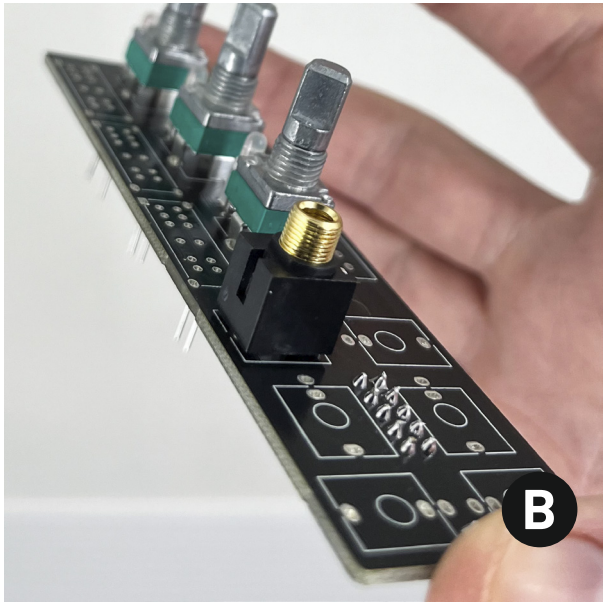
Place the 3 potentiometers as shown in image **A**.

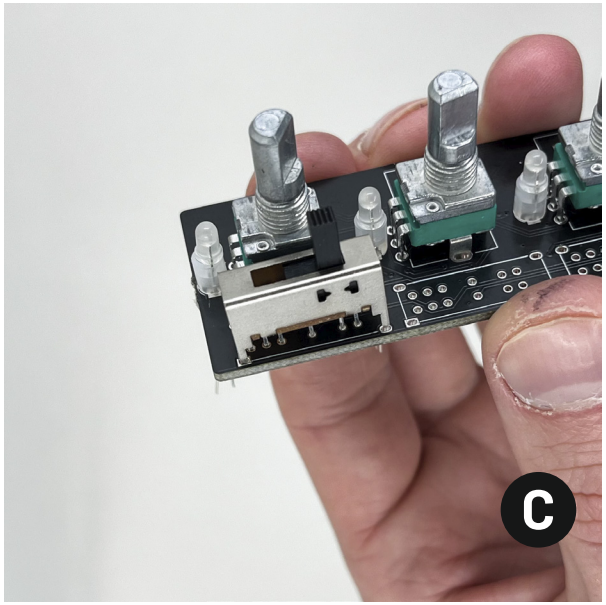
Place the 6 jack connectors as shown in image **B**.

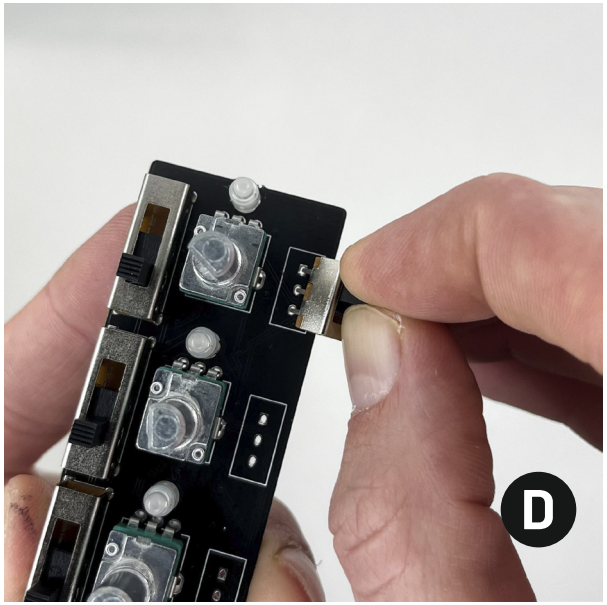
Place the 3 five-position switches as shown in image **C**.

Place the 3 two-position switches as shown in image **D**.









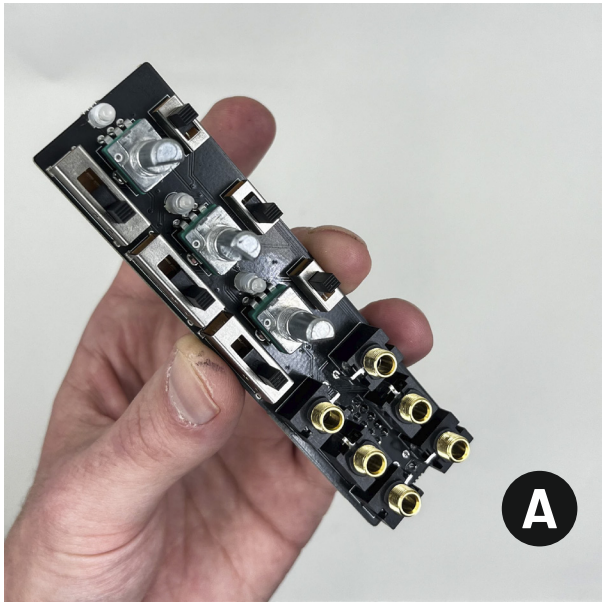
A4

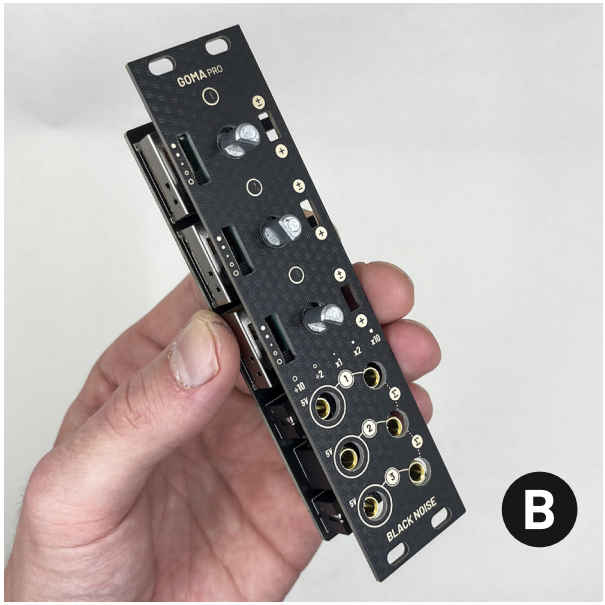
Make sure all the components have been placed on the PCB as shown in image **A**.

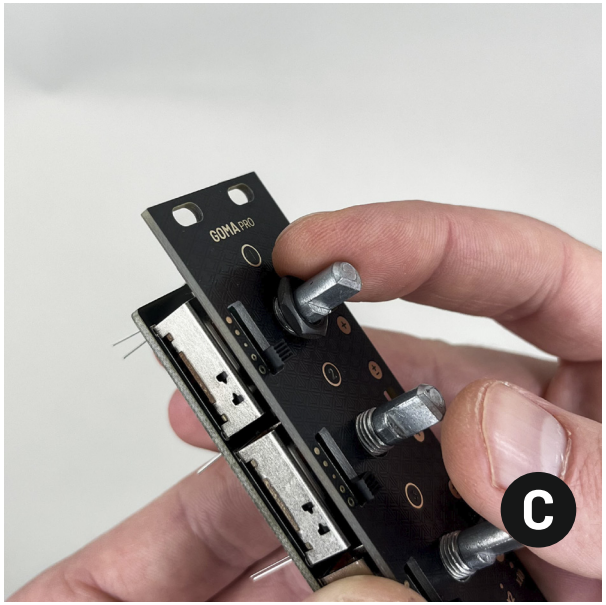
Once all the components are in place, install the faceplate as shown in image **B**.

Screw on the nuts for the 3 potentiometers as shown in image **C**.

Screw on the nuts for the 6 jack connectors as shown in image **D**.





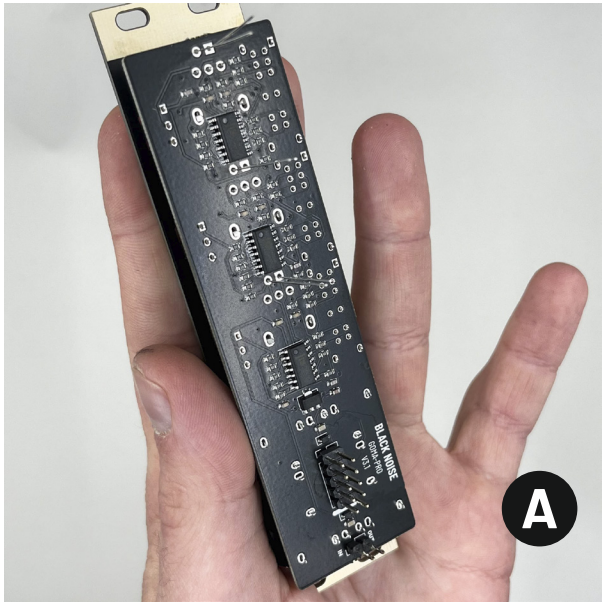


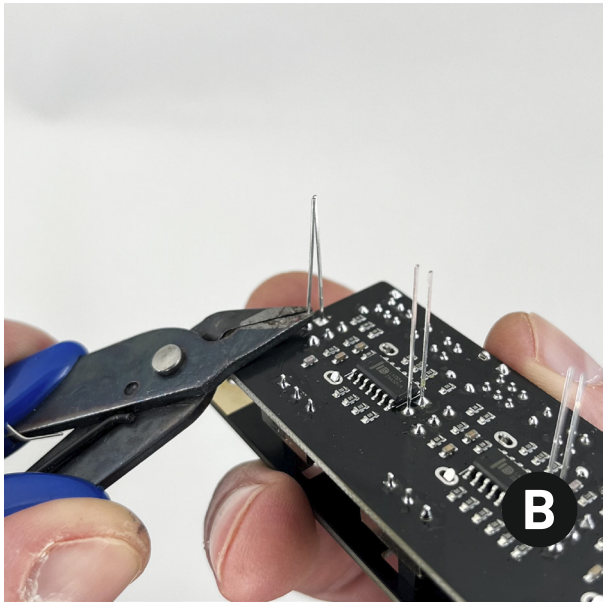
A5

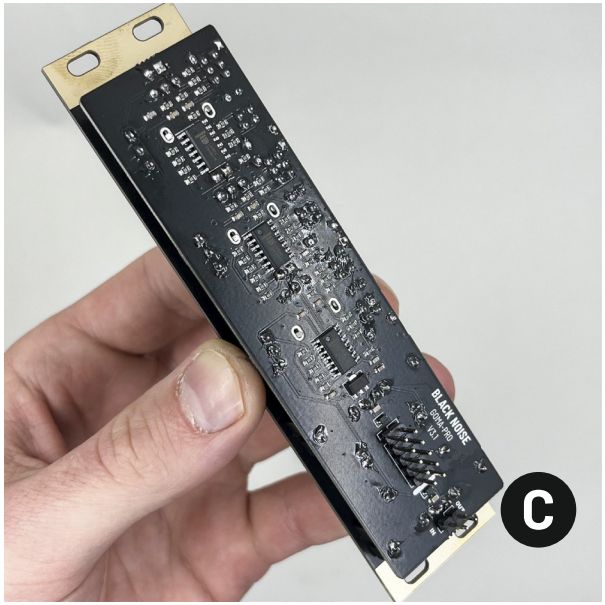
Solder all the components placed on the PCB as shown in image **A**. For each component, make sure it is flush with the PCB before soldering. Once all the components are soldered, check for any cold solder joints or bridged pins.

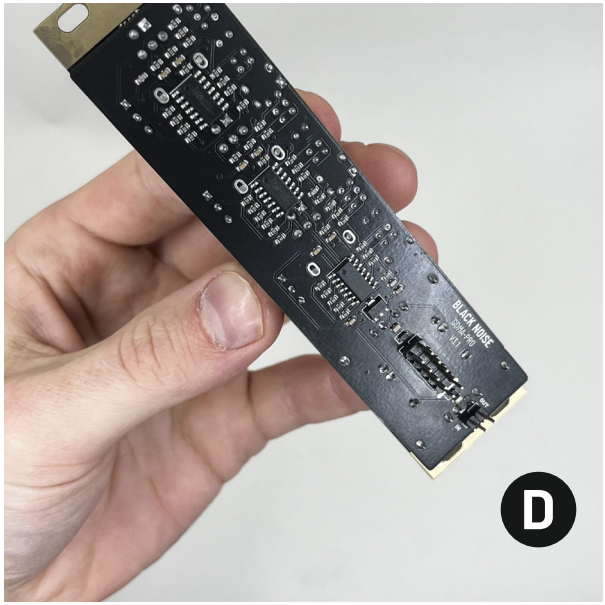
After all the components are soldered, cut the LED leads as shown in image **B**.

Once the LED leads are cut, clean off any flux residue using isopropyl alcohol and a soft-bristle brush as shown in image **C** and **D**.







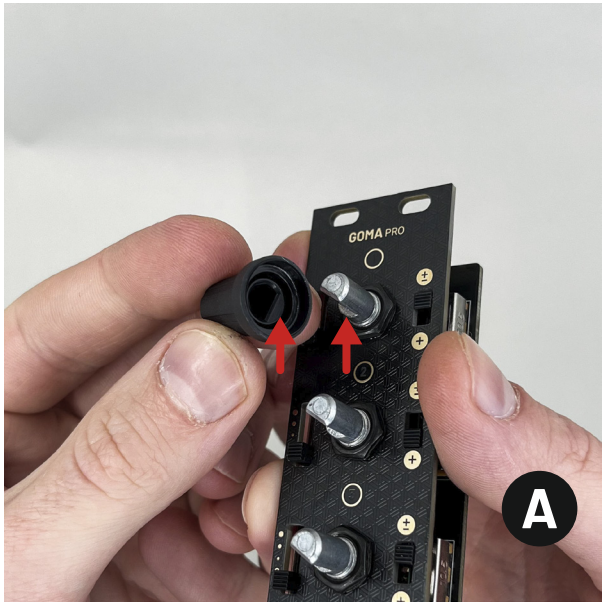


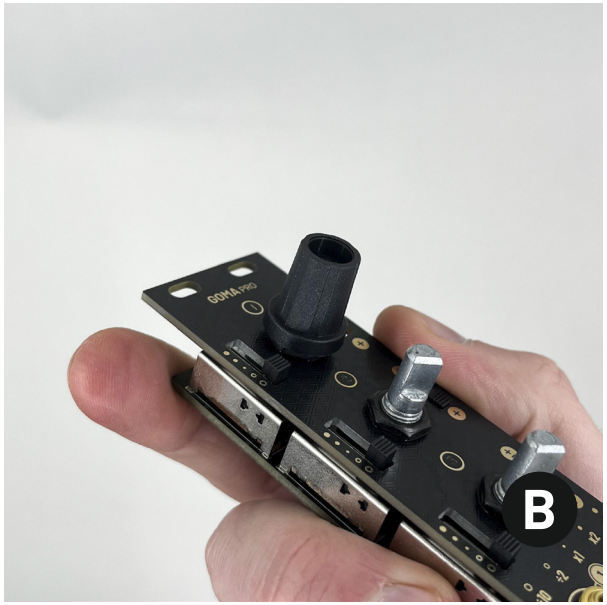
A6

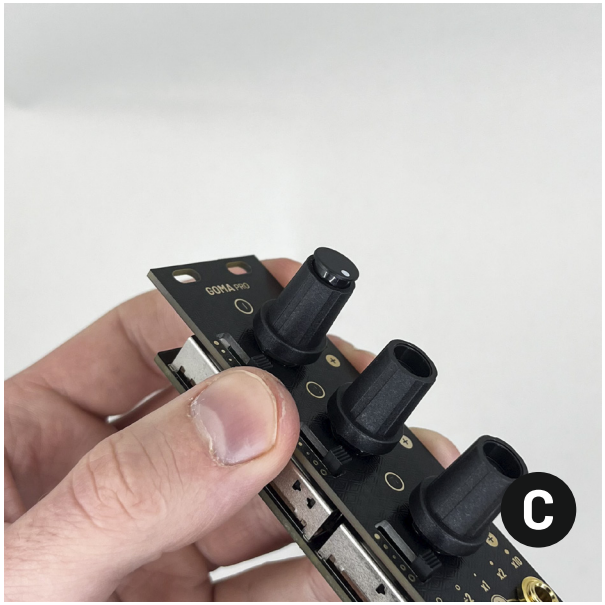
Place the knob without the cap on the potentiometer as shown in images **A** and **B**.

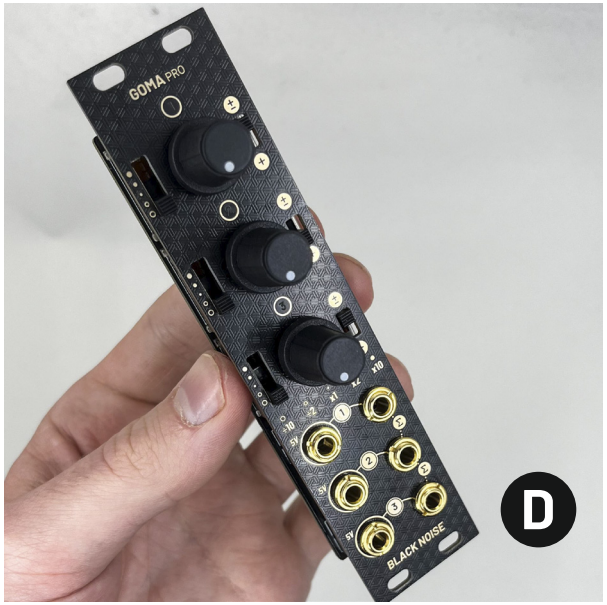
Turn the potentiometers all the way counterclockwise and place the caps on the knobs as shown in image **C**.

Repeat these steps for each of the knobs.









You can now test the continuity of your module. Use a multimeter set to continuity and connect one of the probes to one of the pins in the center of the power connector. With the other probe touch the +12V pins then -12V pins at each end of the connector. Your multimeter should not ring.

Once you make sure that there is not short circuit, you can install the power cable included in the kit and connect you new GOMA Pro in you case.