



SCRAMBLE Case

First of all, thank you for buying/making this case! I hope you enjoy it. If you have any trouble, questions, or feedback, please reach out to me using the contact information on the main page.

Before you get started

Get all your materials together. You'll need everything in the table below.

Required materials

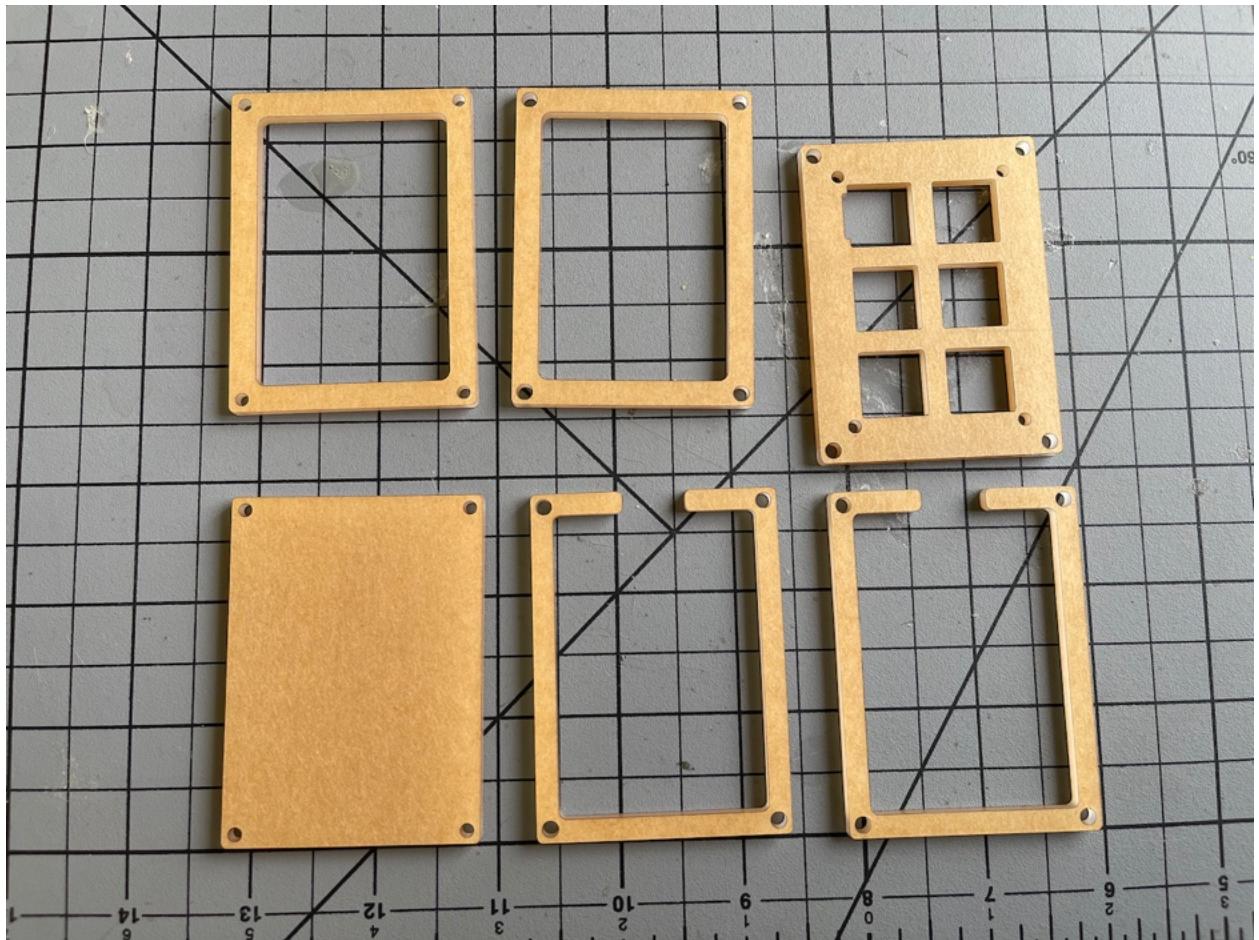
Aa Item	# Qty	≡ Notes	<input checked="" type="checkbox"/> Included in kit?
<u>Acrylic layer</u>	6	The main part of the case	<input checked="" type="checkbox"/>
<u>Screws</u>	12	1.5 Hex	<input checked="" type="checkbox"/>
<u>Washers</u>	4	thin circle thingys with hole in the middle	<input checked="" type="checkbox"/>
<u>Stand offs</u>	4	brass tube thingys	<input checked="" type="checkbox"/>
<u>Nuts</u>	4	fits on the end of the screws	<input checked="" type="checkbox"/>
<u>Bumpons</u>	4	rubber do-dads	<input checked="" type="checkbox"/>
<u>Screwdriver</u>	1		<input type="checkbox"/>

Aa Item	# Qty	≡ Notes	Included in kit?
<u>1.5mm Hex Head</u>	1		<input type="checkbox"/>
<u>SCRAMBLE PCB</u>	1		<input type="checkbox"/>

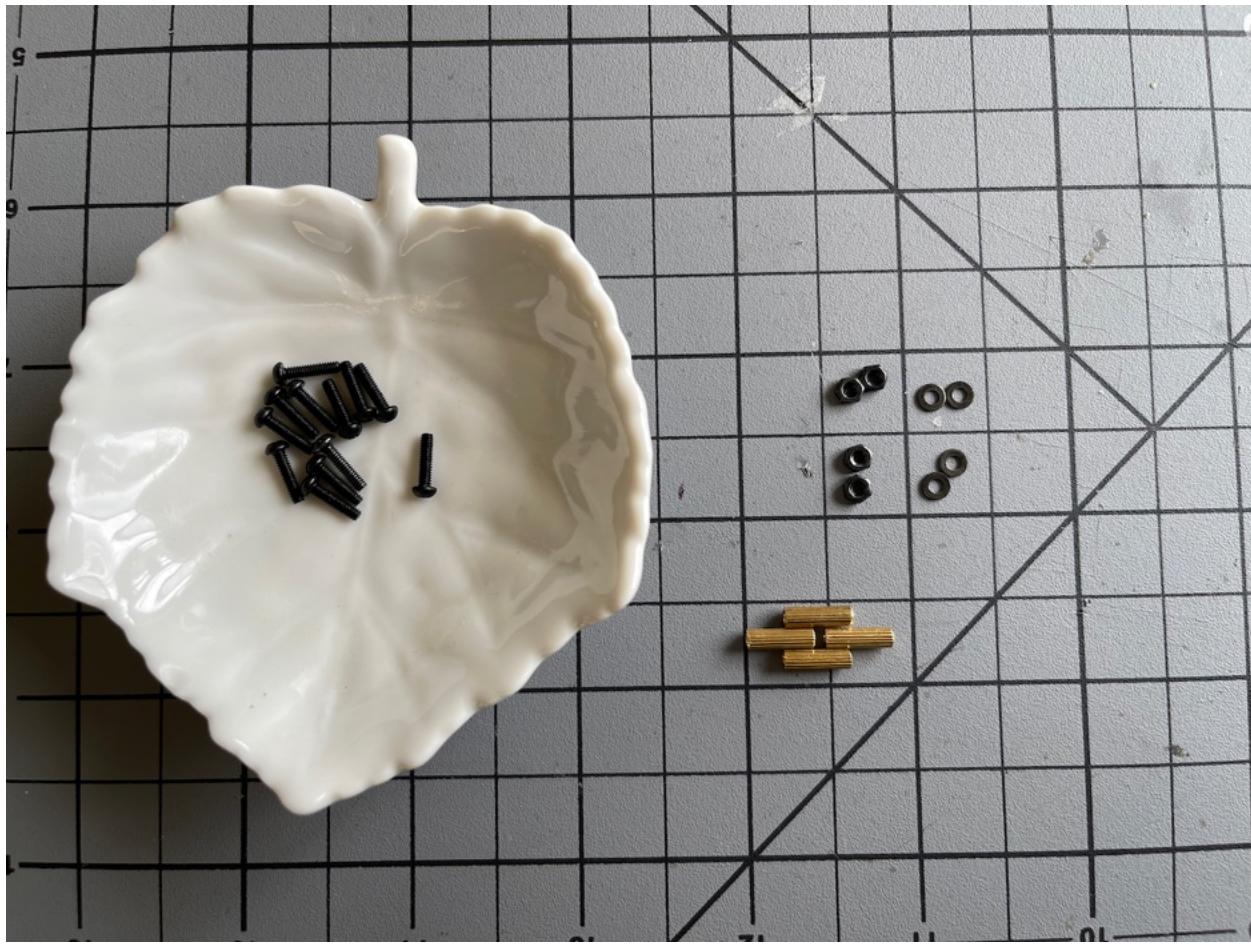


What the end result will look like!

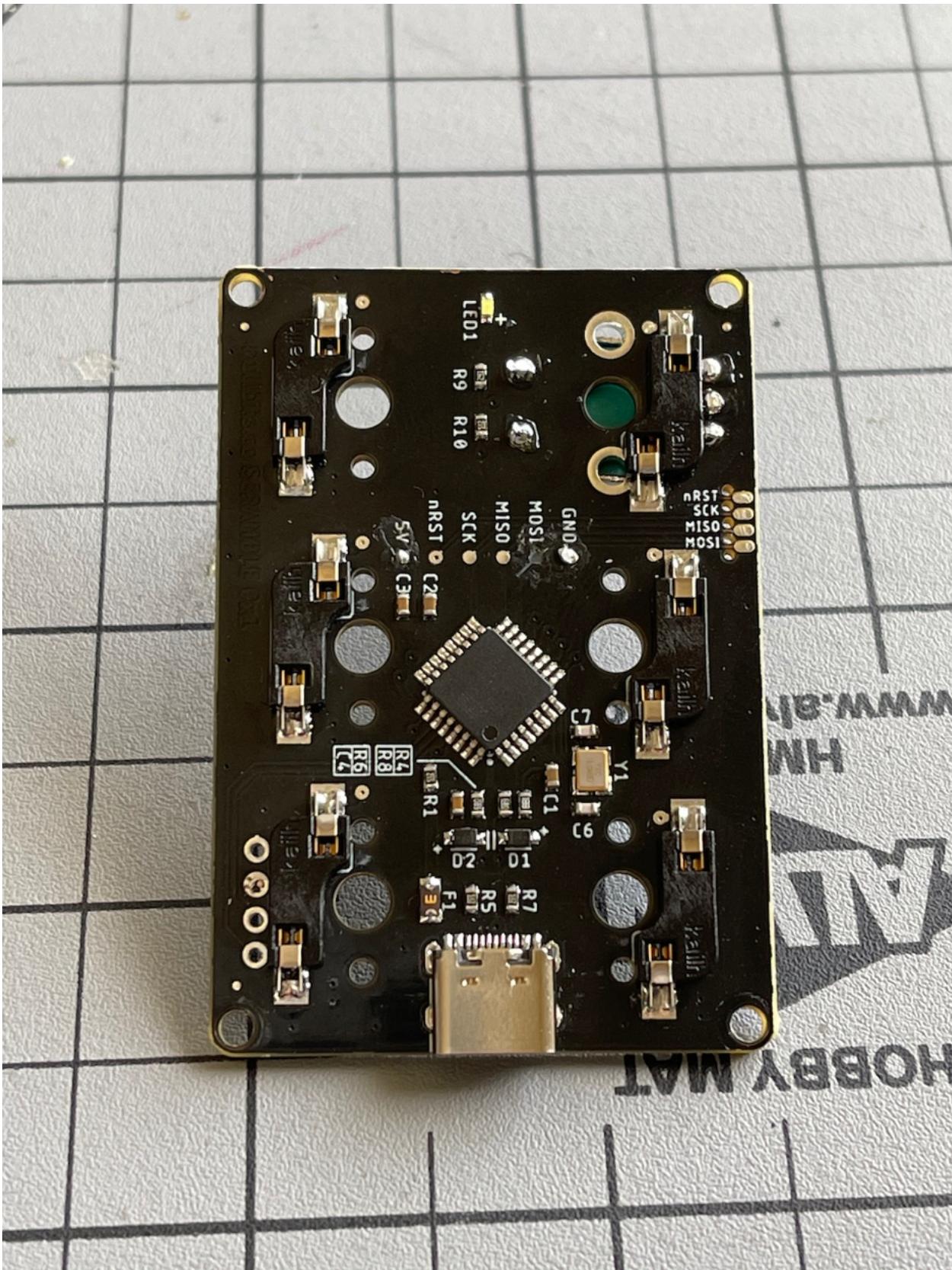
Let's get started!



Acrylic layers



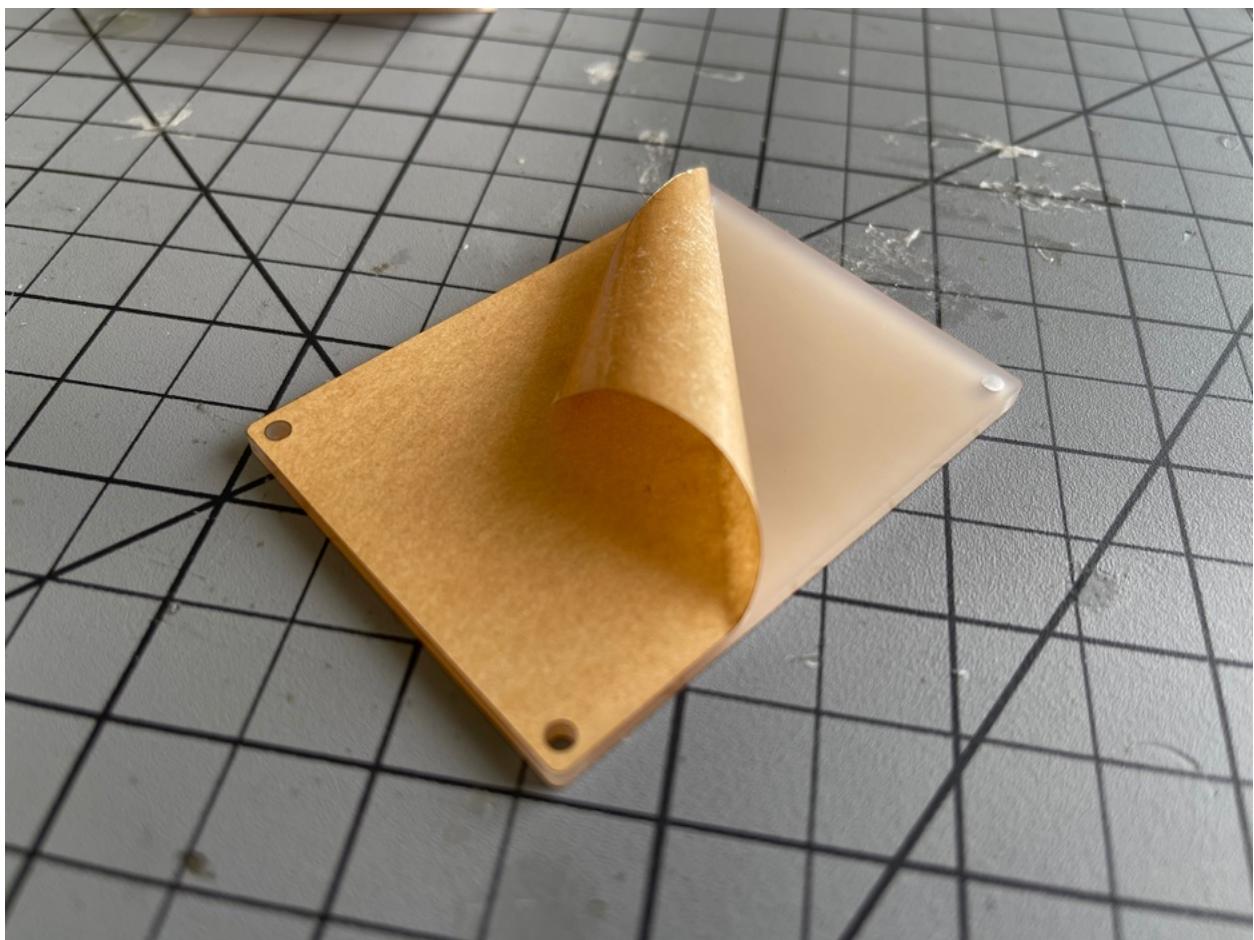
Hardware



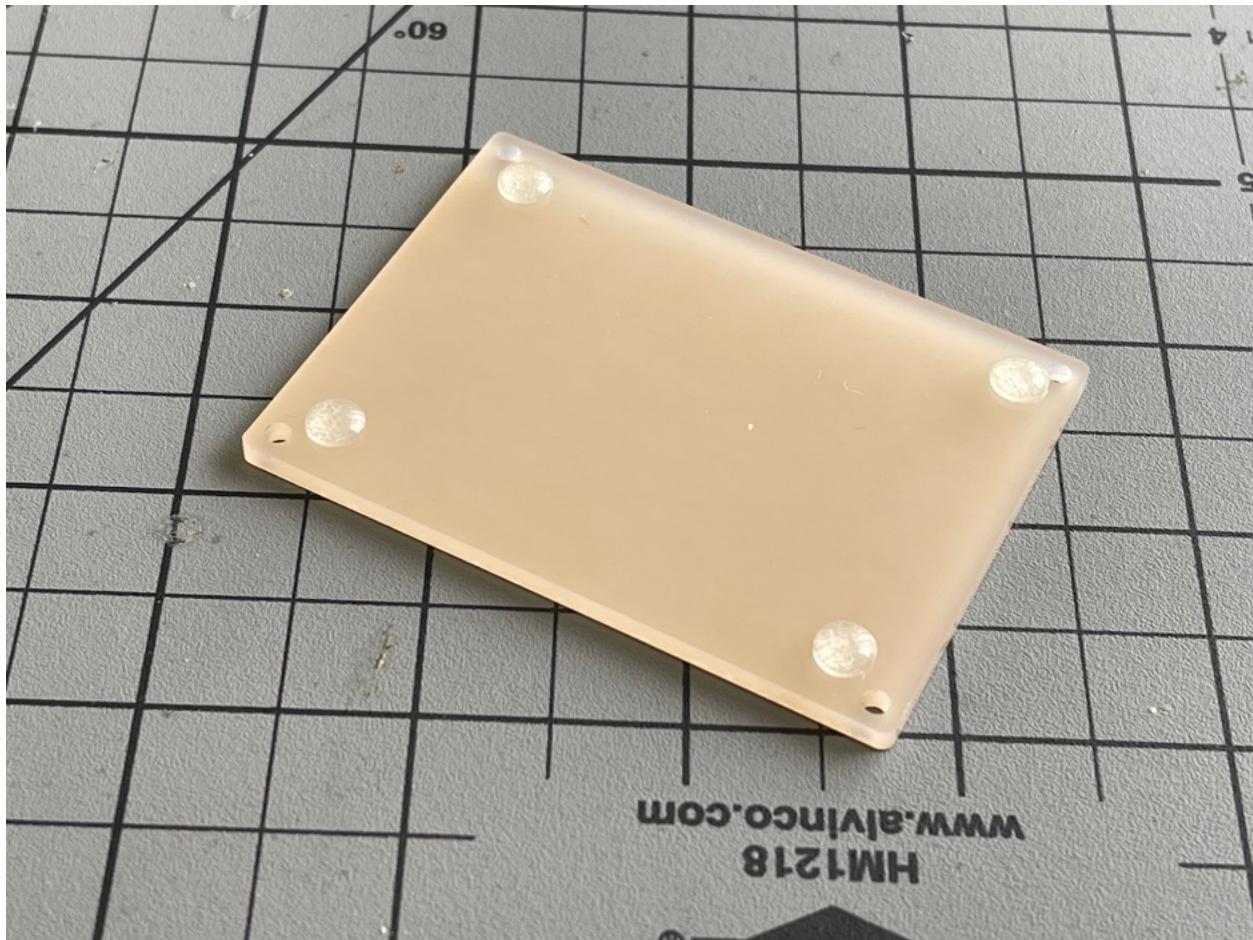
PCB

Got your acrylic layers, hardware, and PCB? Good.

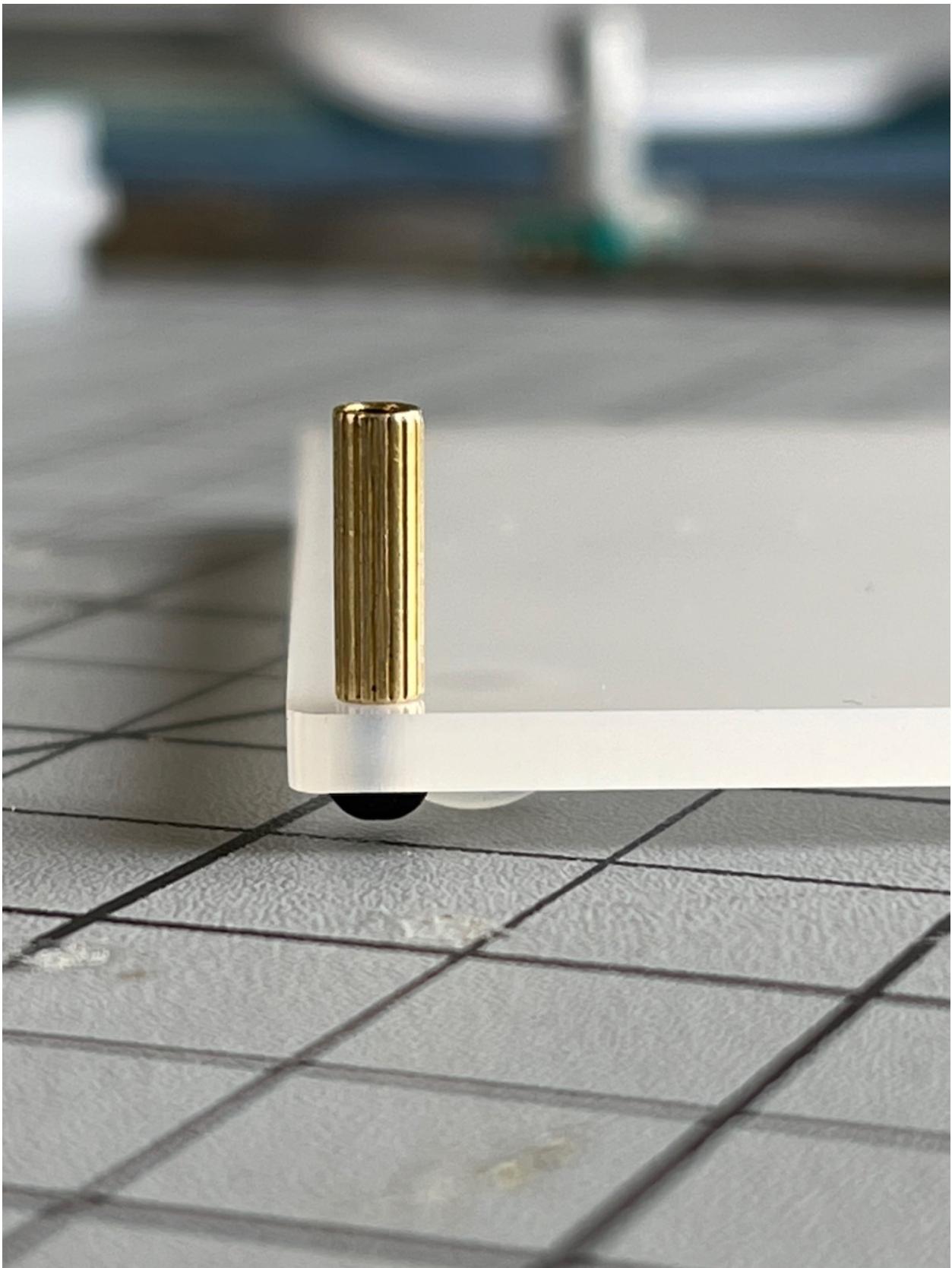
Take the protective covering off the acrylic. Do this for each piece.



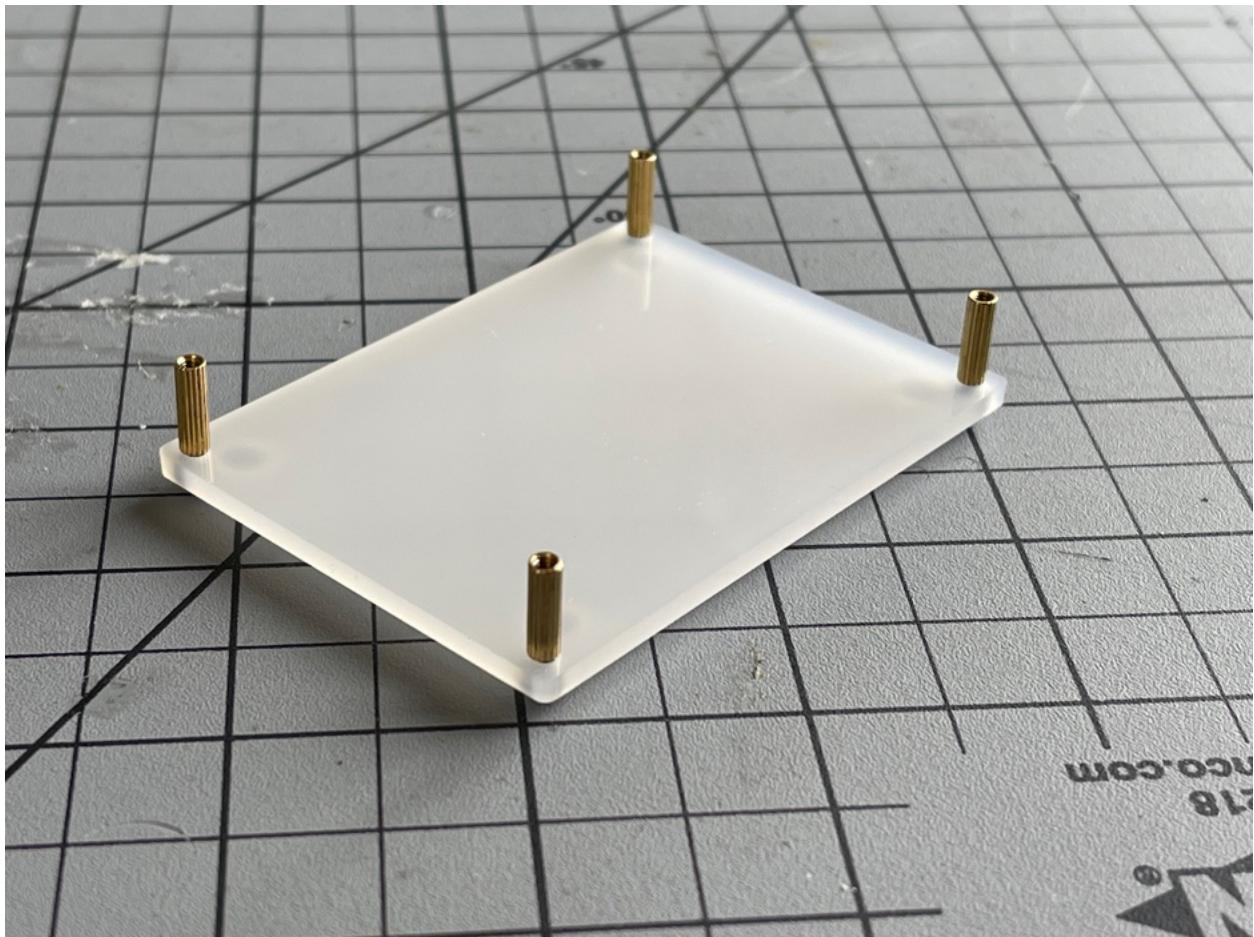
Stick the bumpons on the bottom of this layer. Be careful not to block the holes with the bumpons.

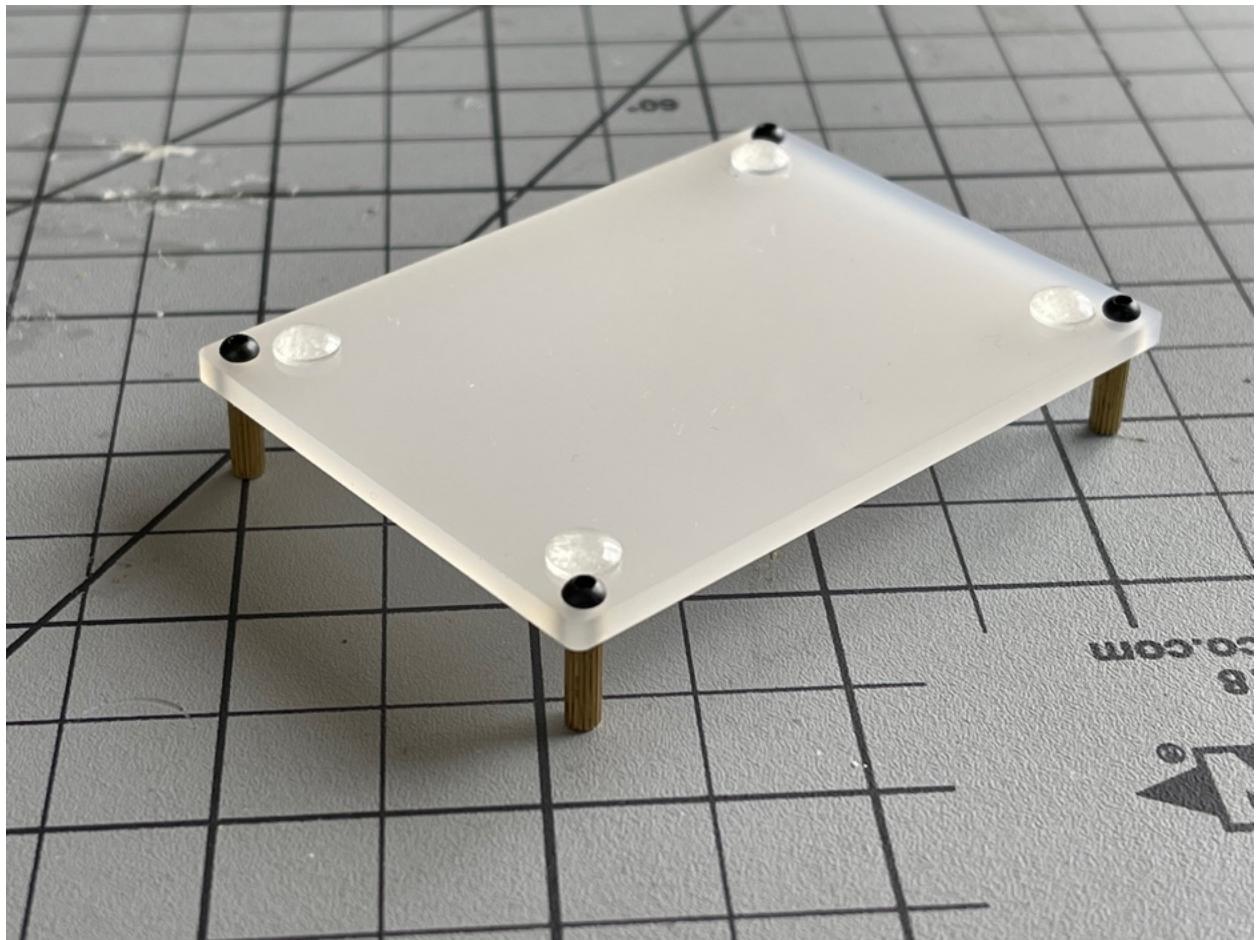


Next we are going to install the stand offs.

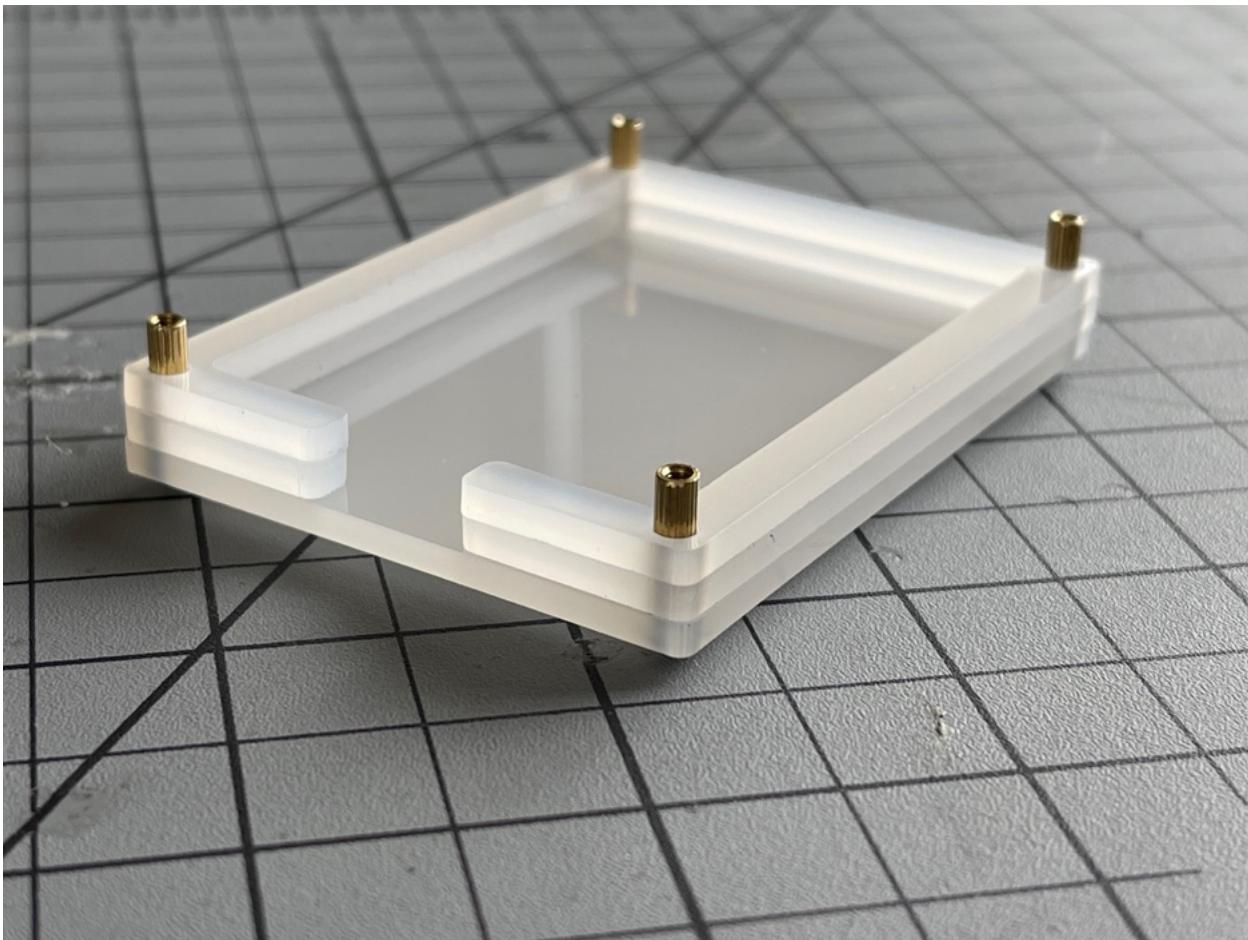


This is how it should look.



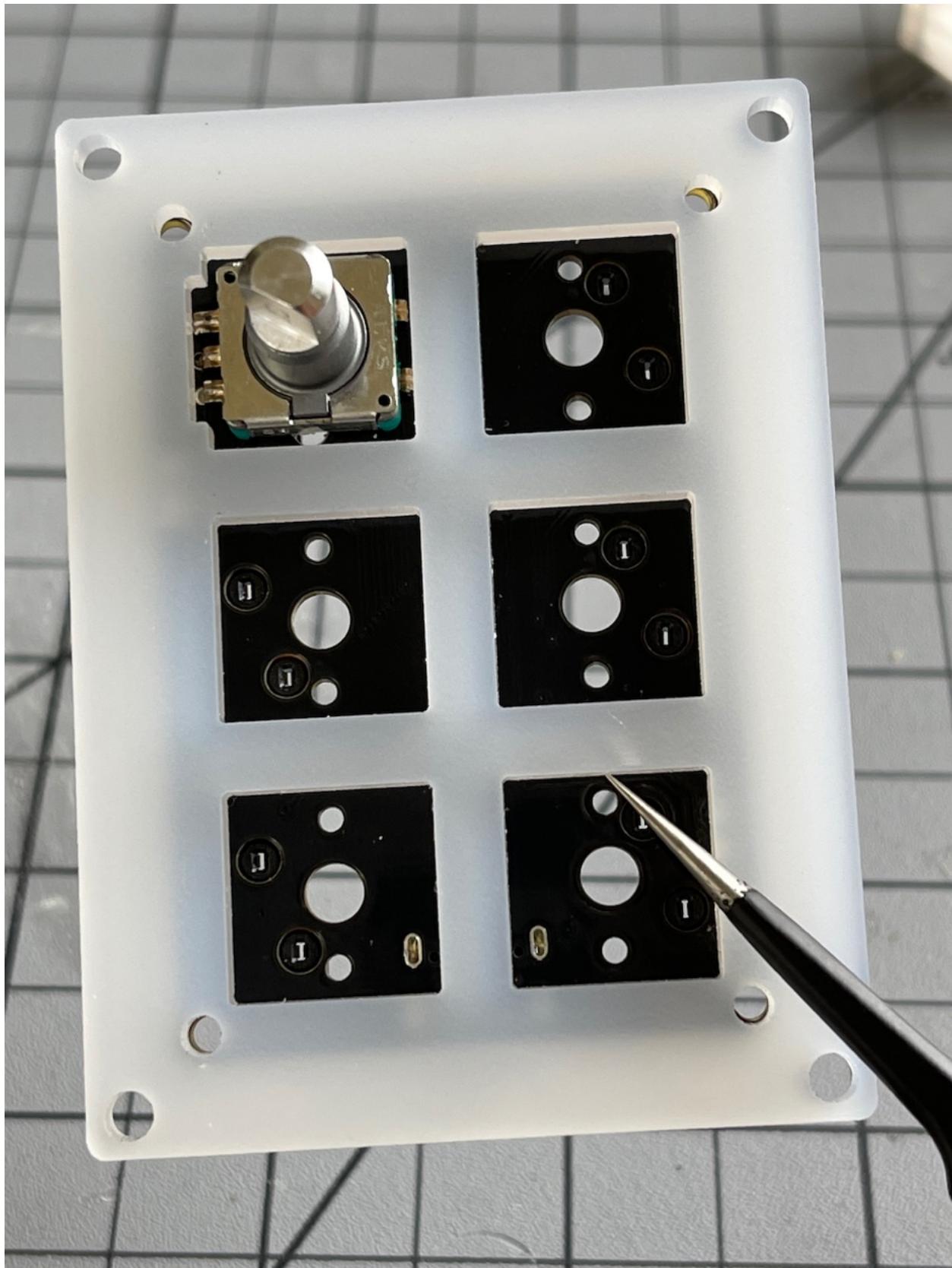


Next place the two layers with the USB cutout like so.



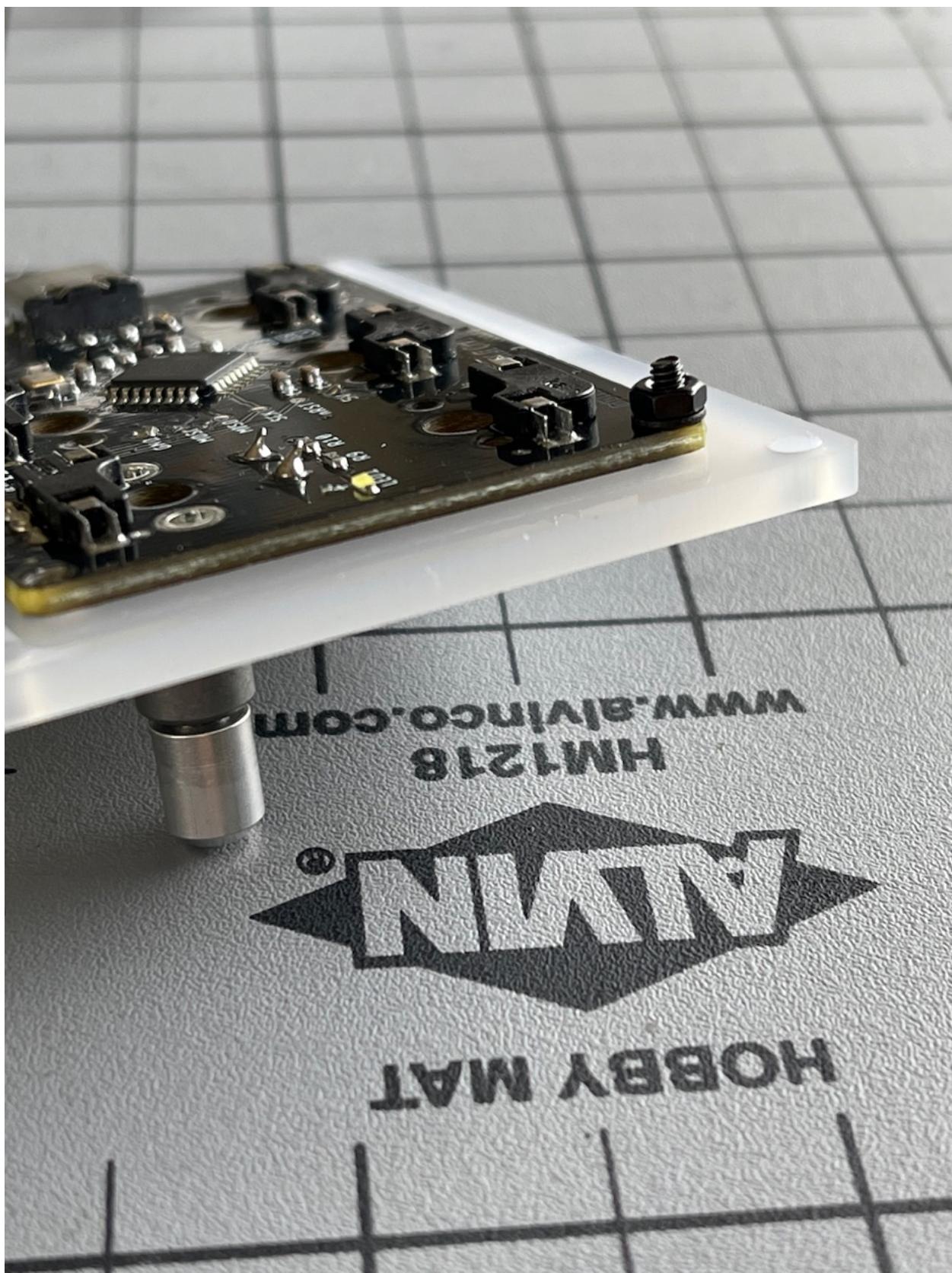
IMPORTANT: If you're using a rotary encoder or a OLED, pay close attention to how you orient the switch plate over the PCB. One of the switch cutouts has a notch which allows for an OLED or rotary encoder to fit perfectly. At this time the plate doesn't natively support having an OLED **and** rotary encoder installed at the same time. However, if you're a motivated keeb hacker, you can make it work.

Orient the switch plate over the PCB. If you're using a rotary encoder or OLED, read the little bit above for guidance. If you're just using six switches, plate orientation is not important.

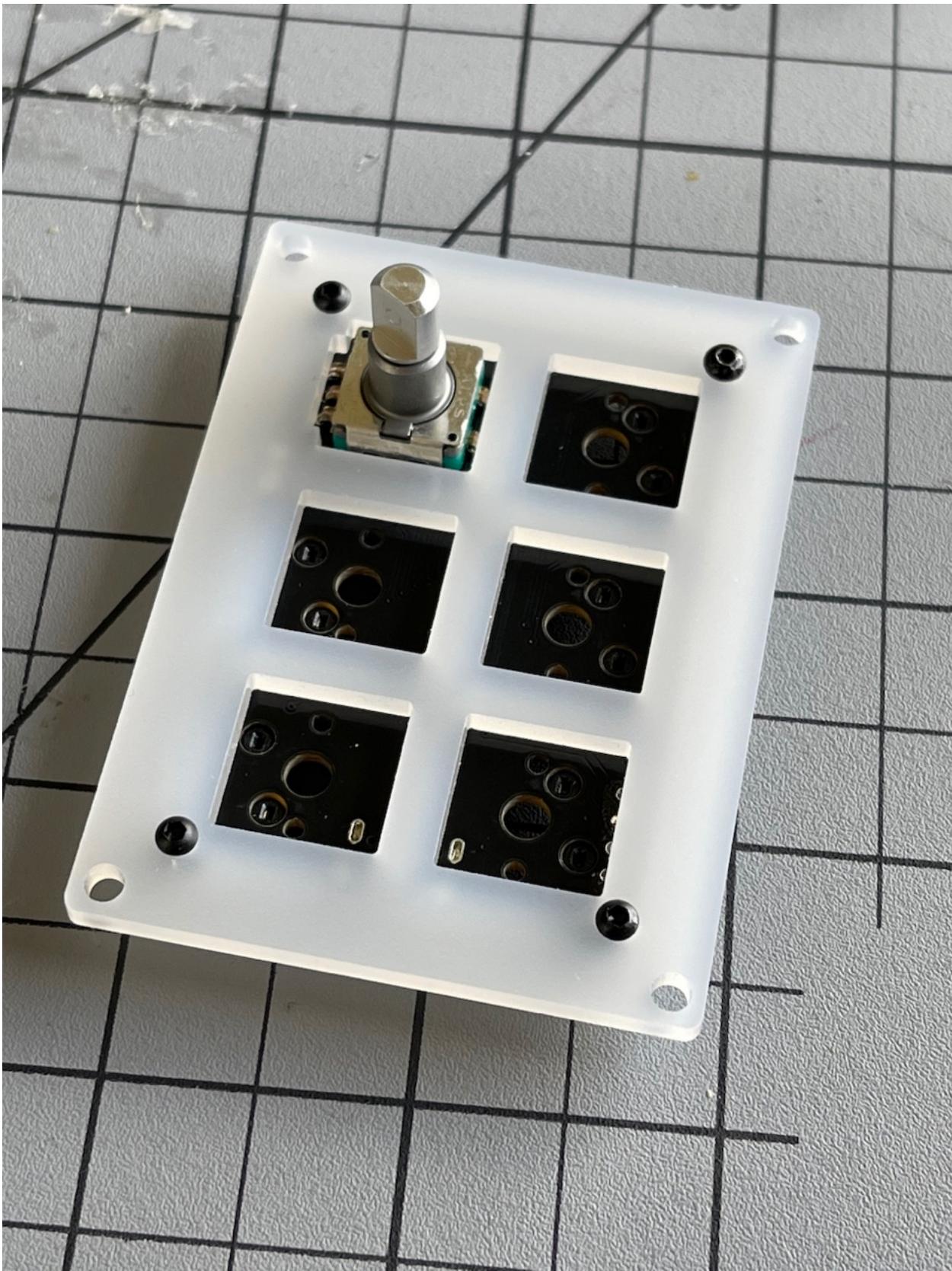


In this example, you can see the rotary encoder oriented correctly on the switch plate.

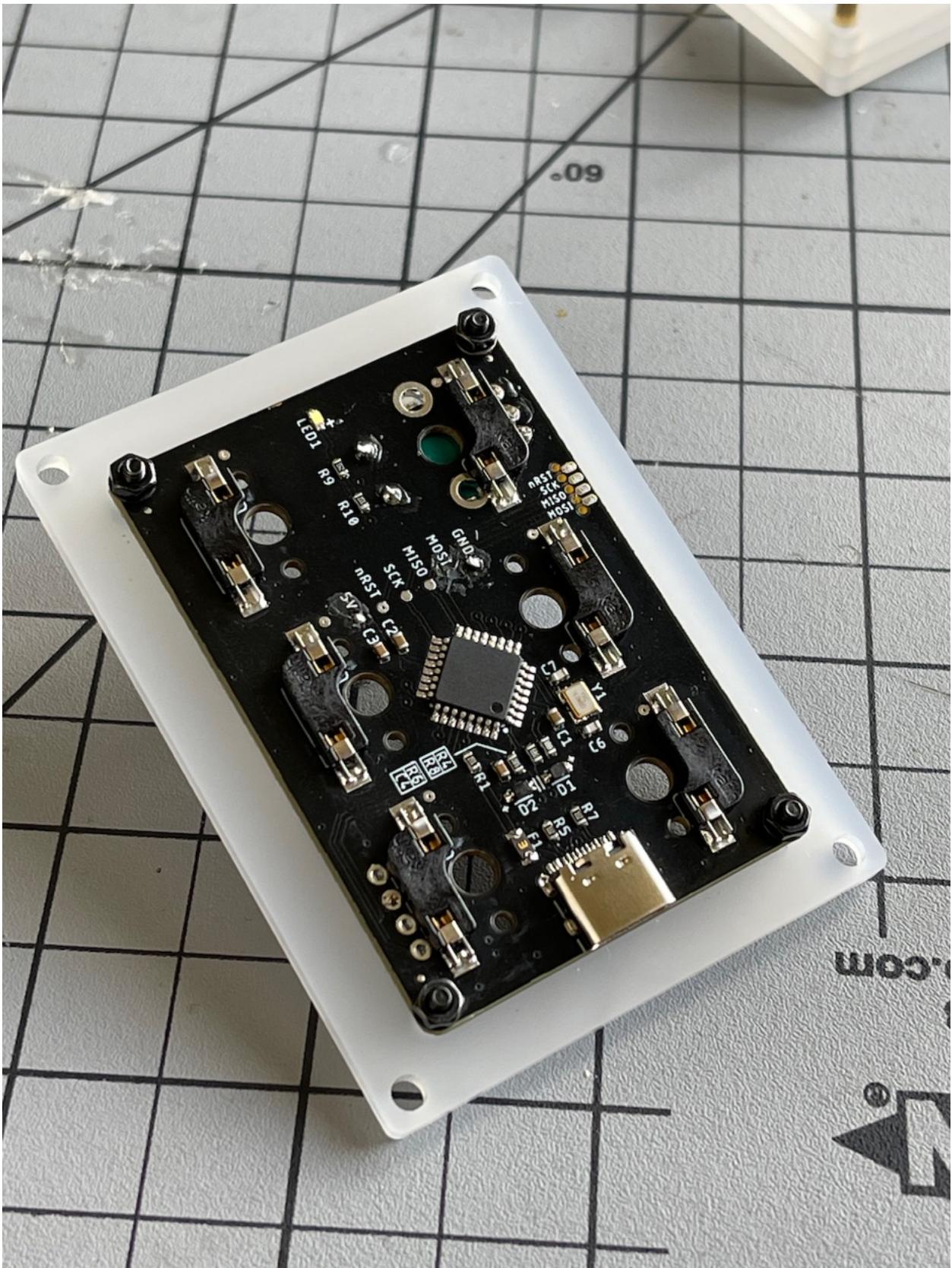
Attach the PCB to the switch plate using the screws and nuts. I've found it easier to loosely attach each corner and then tighten once they're all in.



first screw and nut placed

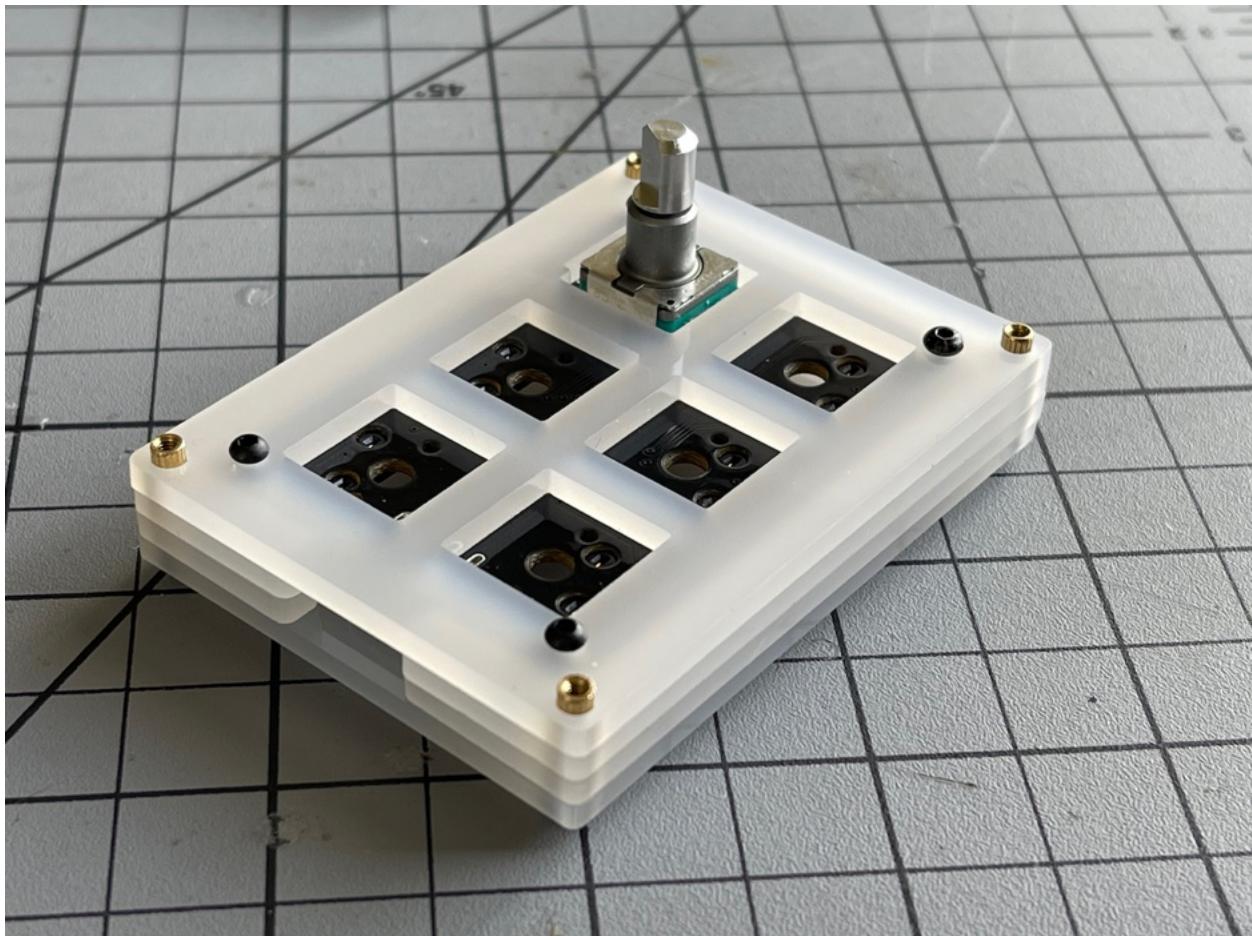


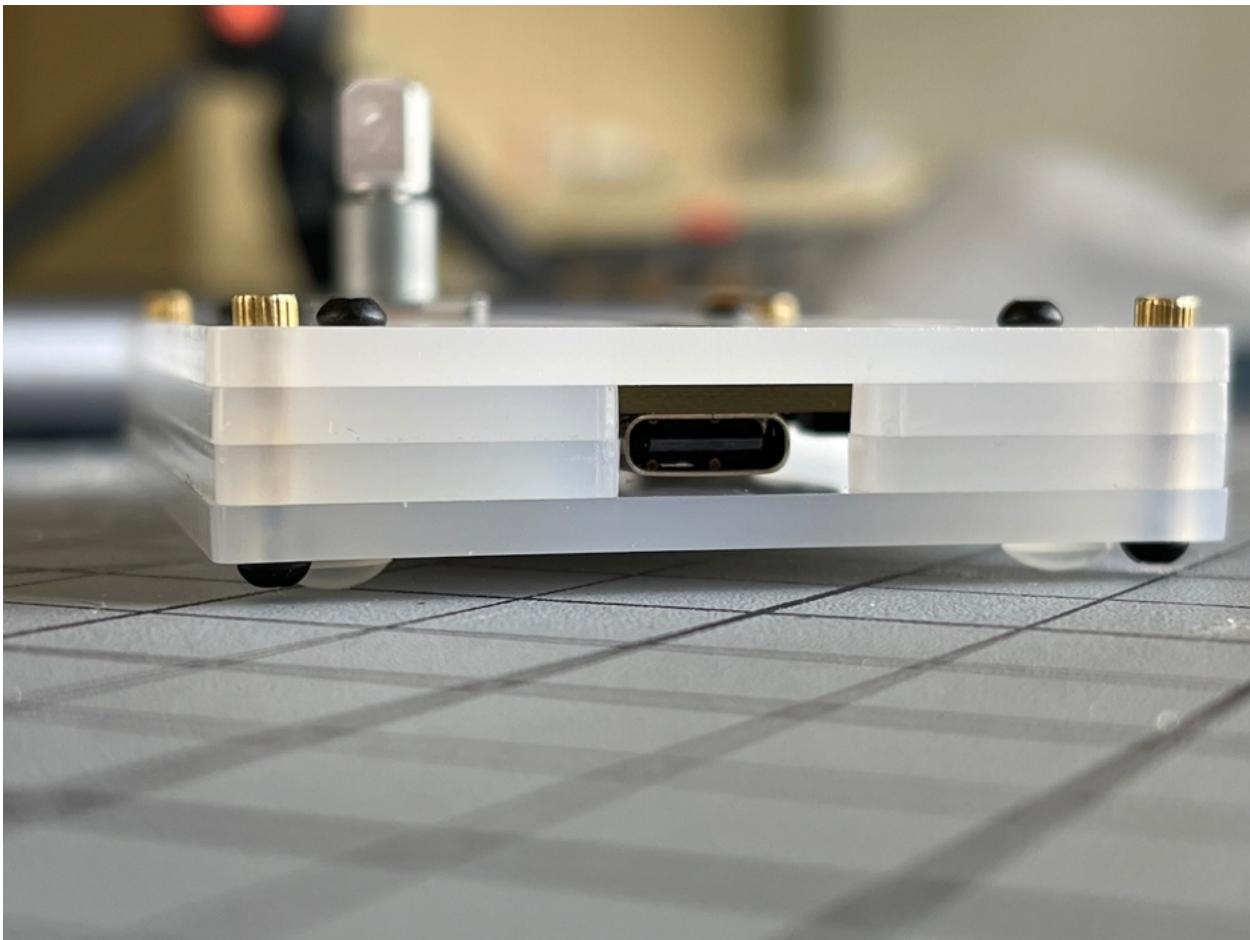
finished attaching the PCB to the switch plate using the screws and nuts



what it looks like from the bottom

Place the switch plate layer on the acrylic stack. Make sure the USB port aligns with the cutouts. It can only go one way 😊



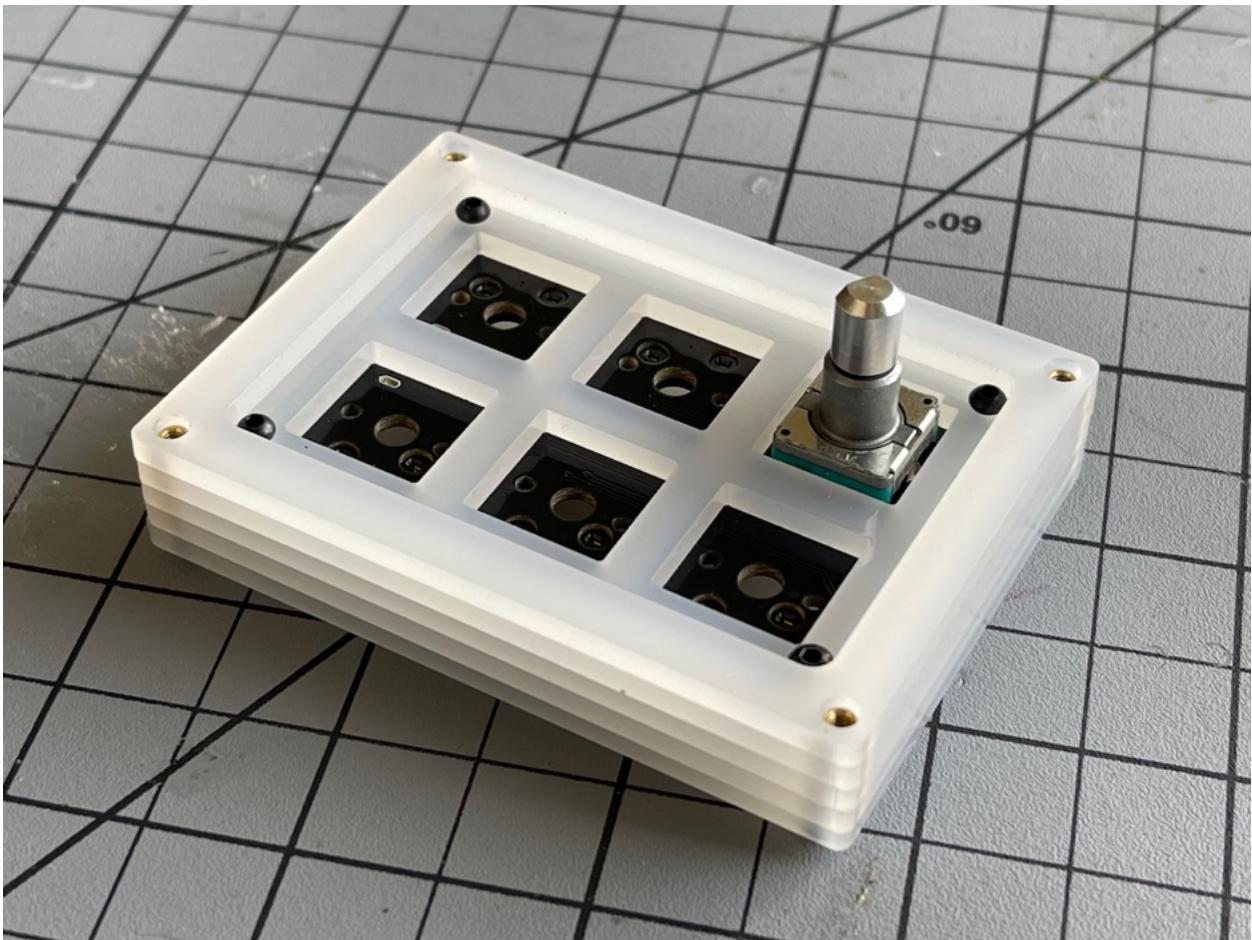


These are the last two layers. One has larger holes and one has smaller holes. Place the larger hole piece on next and then the smaller hole piece on last. Once again, these only fit one way 😊

HOBBY MAT

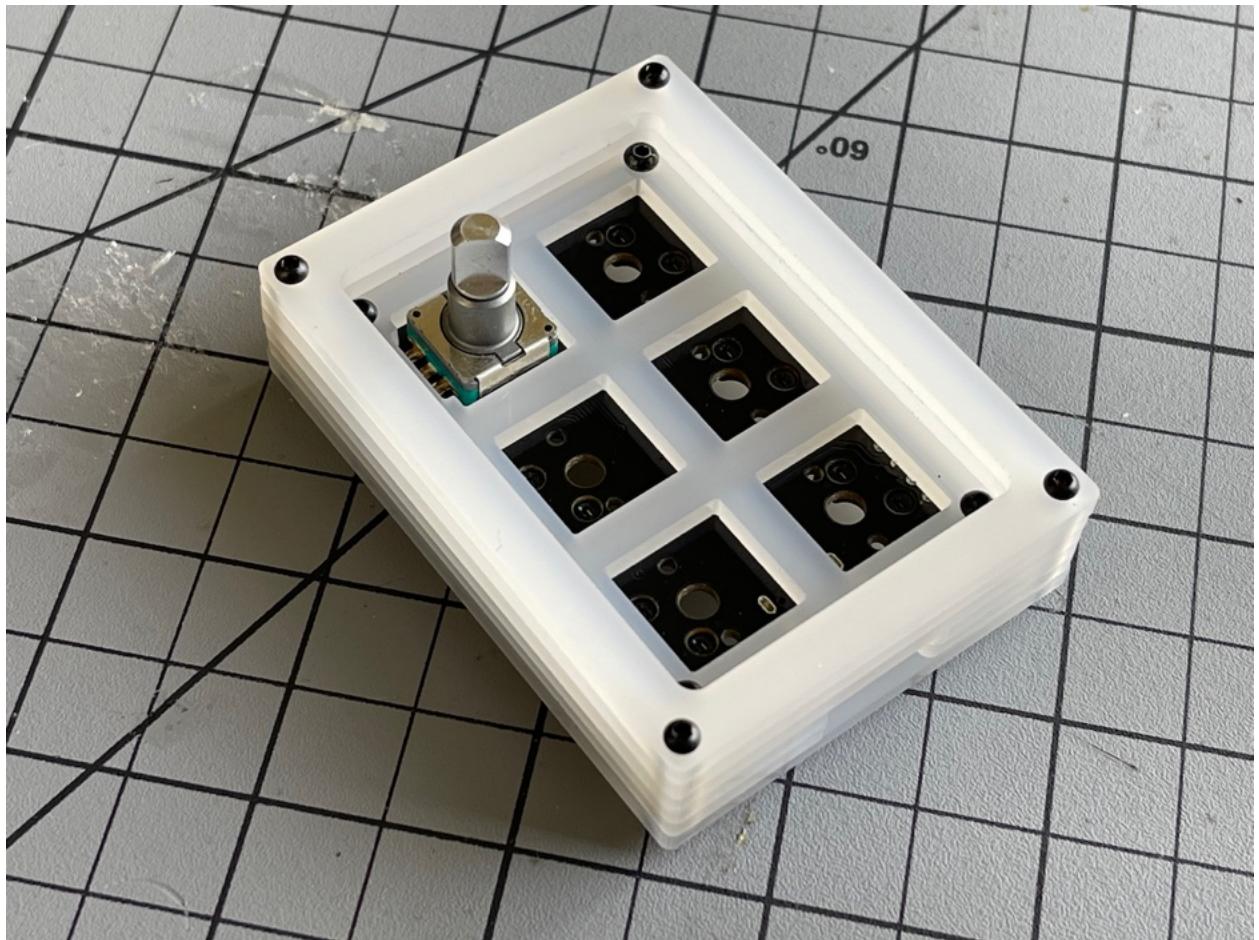
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nco.com

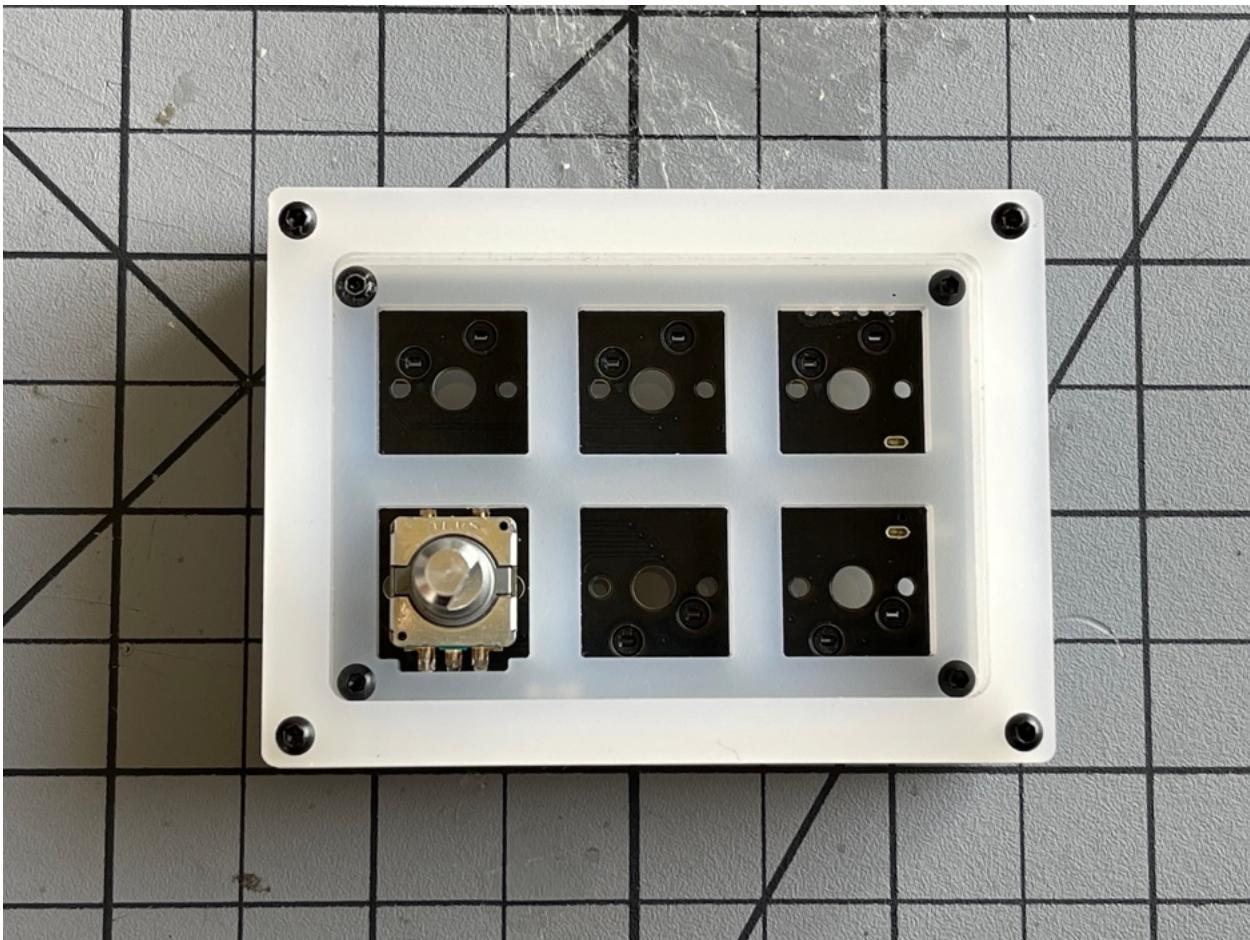
60°



should look like this!

Go ahead and screw it all together!

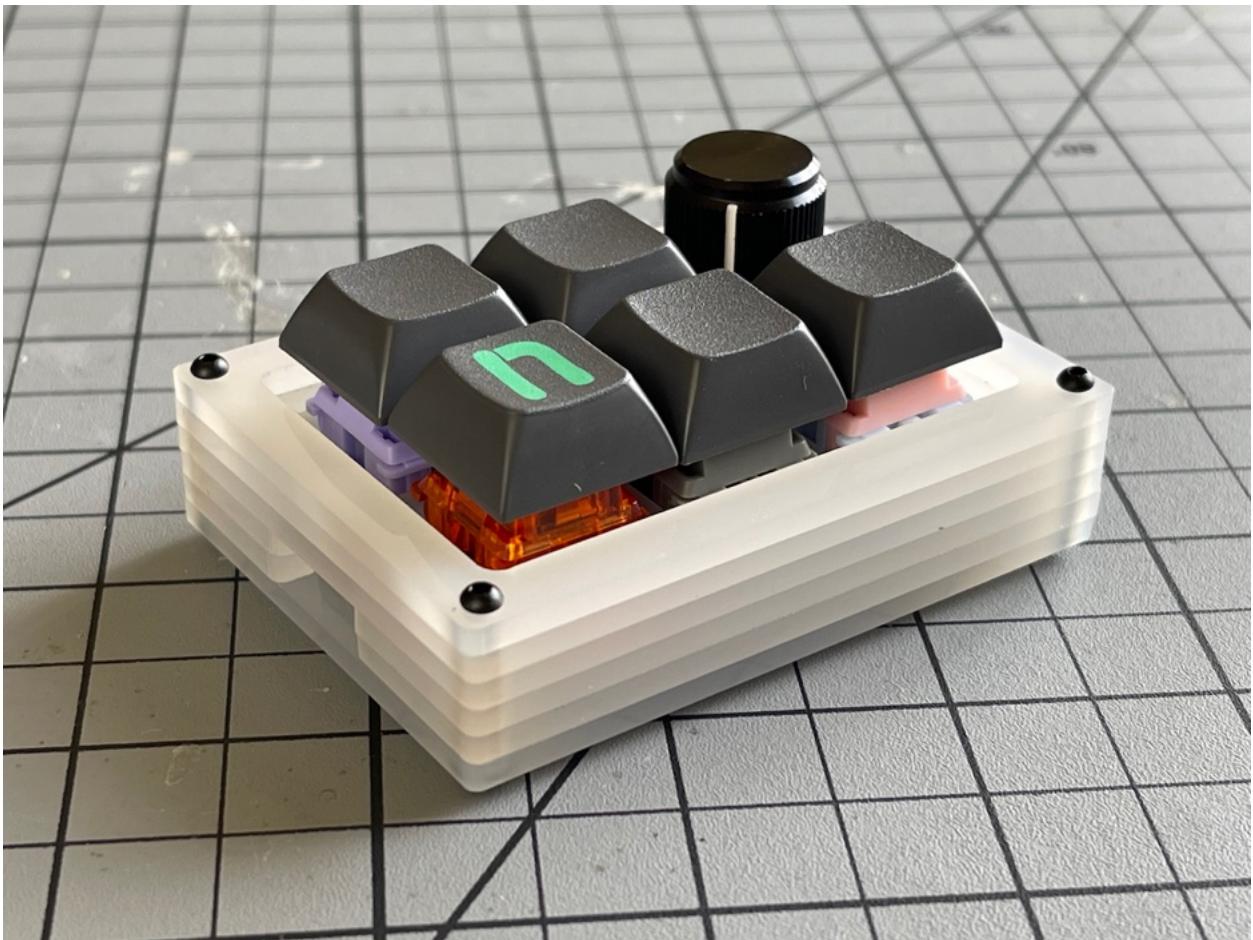




Pop some switches in there



Add your keycaps and encoder knob...



And you're done!