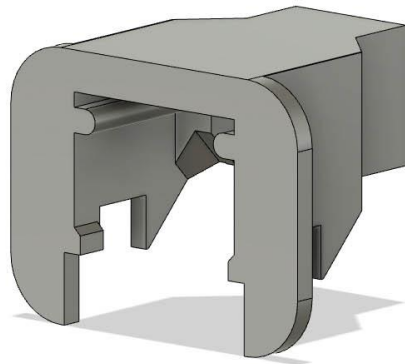


SWITCHING DIN SYNC JACK



ASSEMBLY
+
INSTALLATION

SAN FRANCISCO SYNTHWORKS

<https://sfsynthworks.com>

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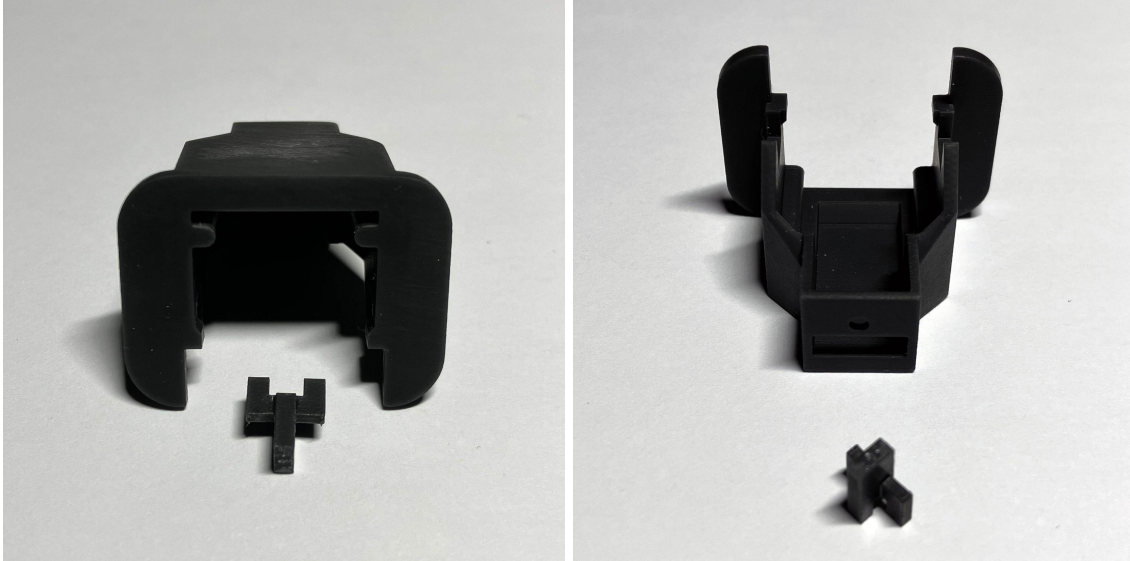
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3D Printed Parts:

There are two 3D printed parts, the housing and the switch actuator:



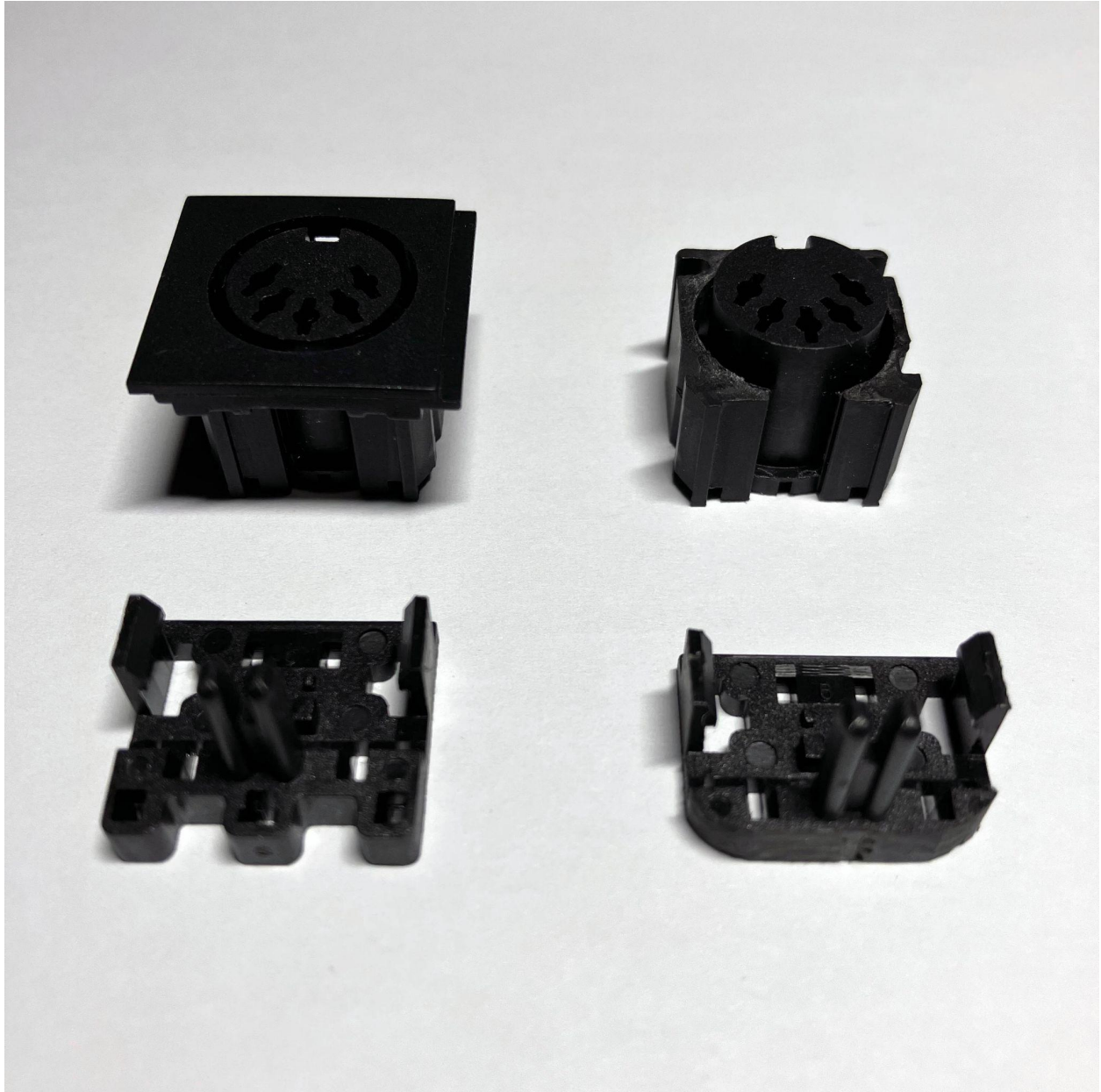
Other Parts:

There are two other parts required, the DIN 5 jack and the momentary switch:

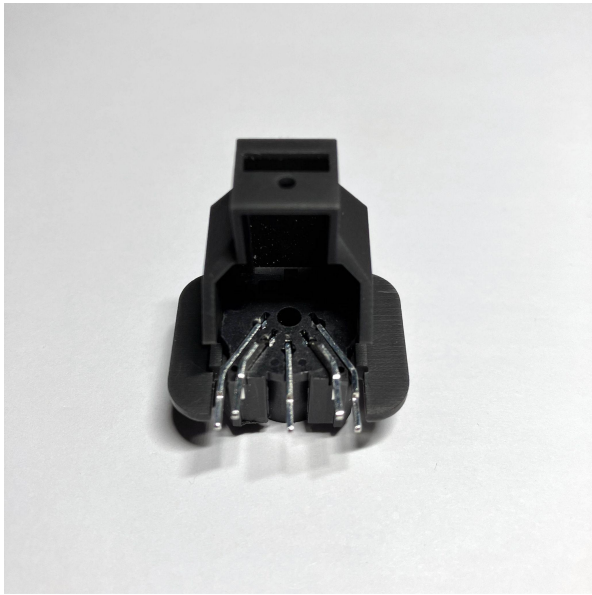
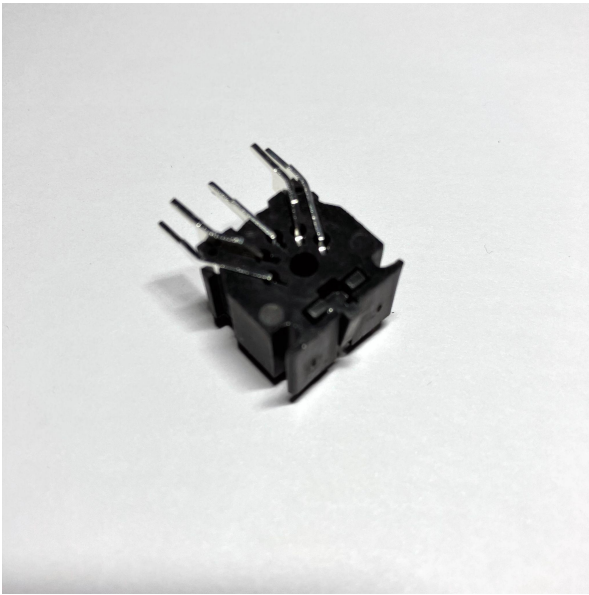
- Switch: Alps Alpine SPVQ910205
- DIN 5 Jack: Multicomp PSG03463

Assembly:

1. Disassembly and modify the DIN 5 jack as shown in the picture. The left side is unmodified and the right side is modified. The face of the jack needs to be removed, and the base needs to have the corners trimmed.



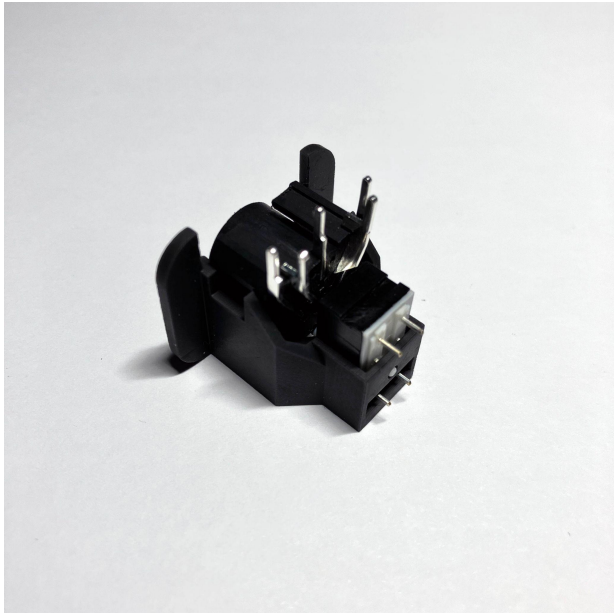
2. With the jack facing down, install the pins and the actuator from the back. Then carefully install the 3D printed base to the back - but do not press it down fully.



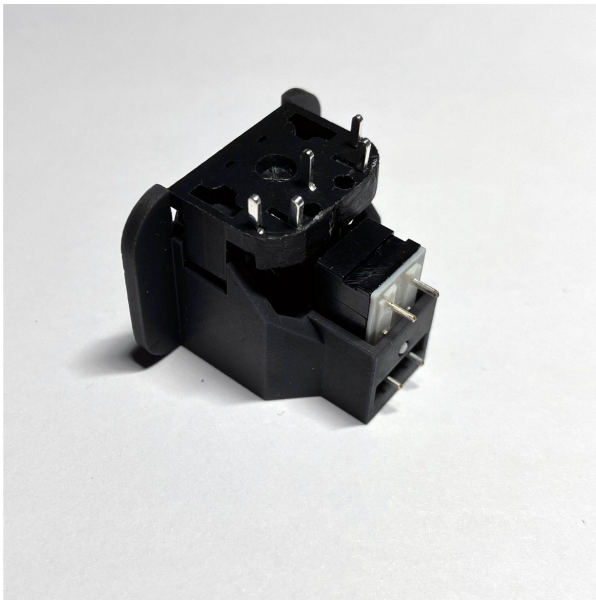
3. Cut the middle two leads on the back of the switch, we don't need them for this application.



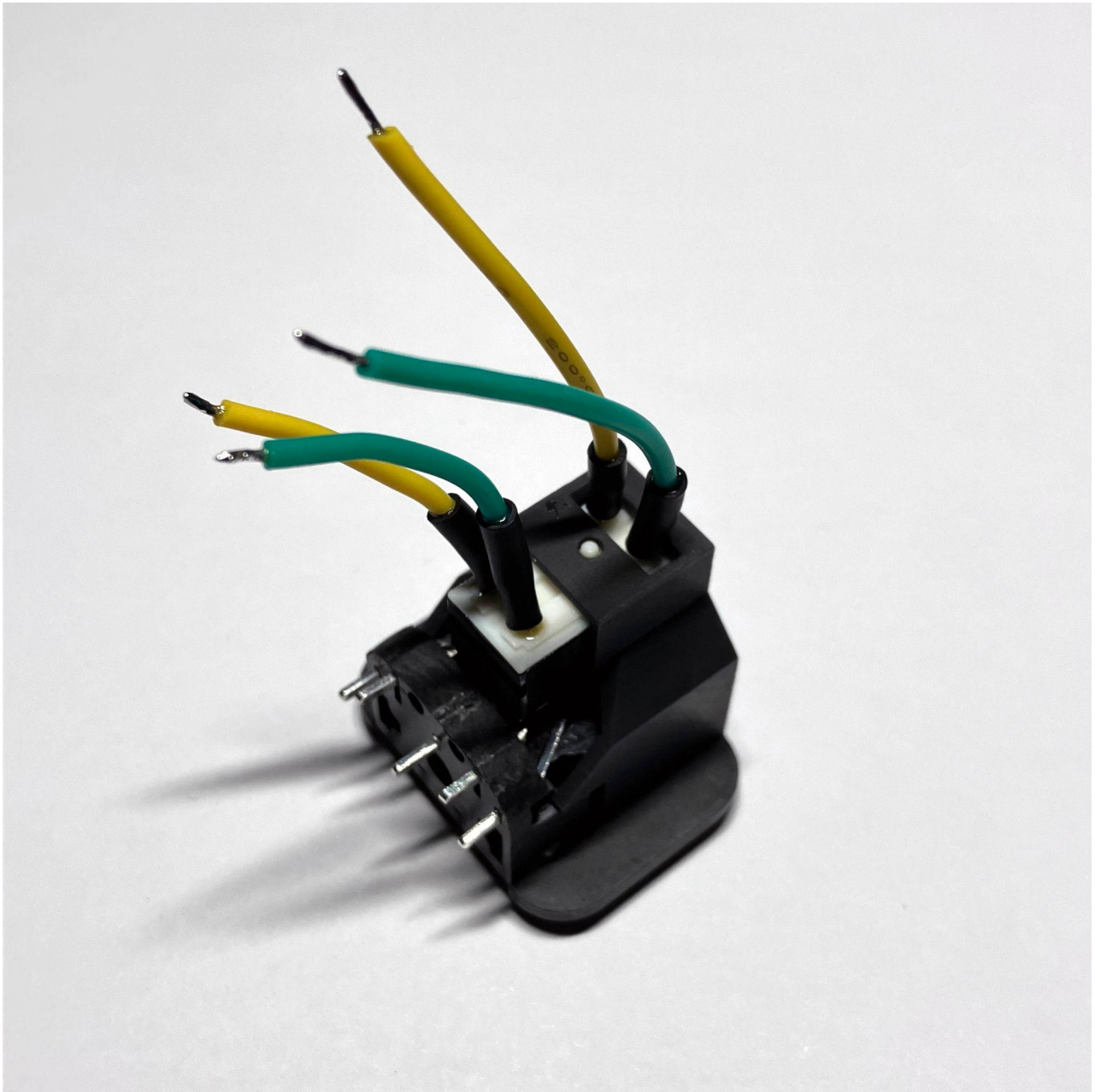
4. Rotate the jack so that the top is facing down and install the switch. Slide the housing full on.



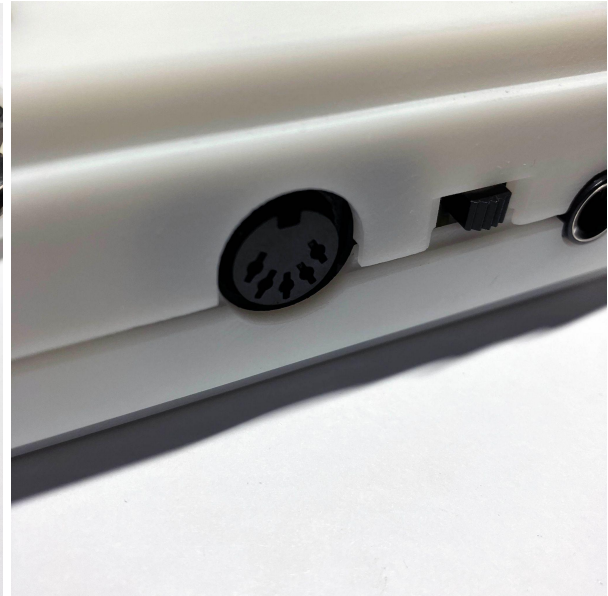
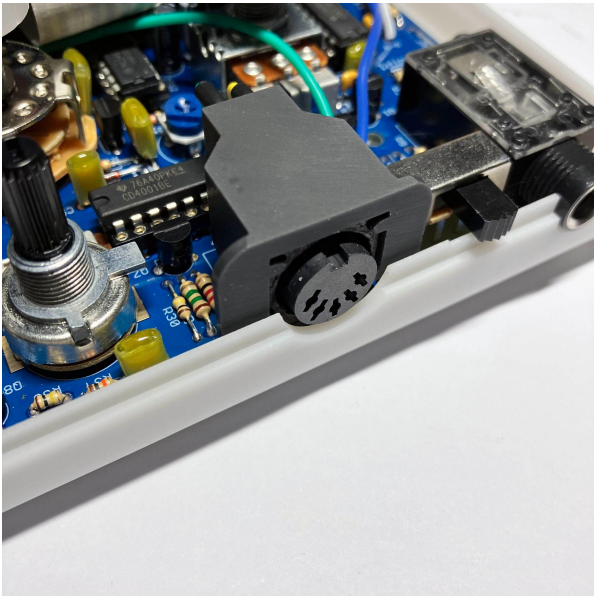
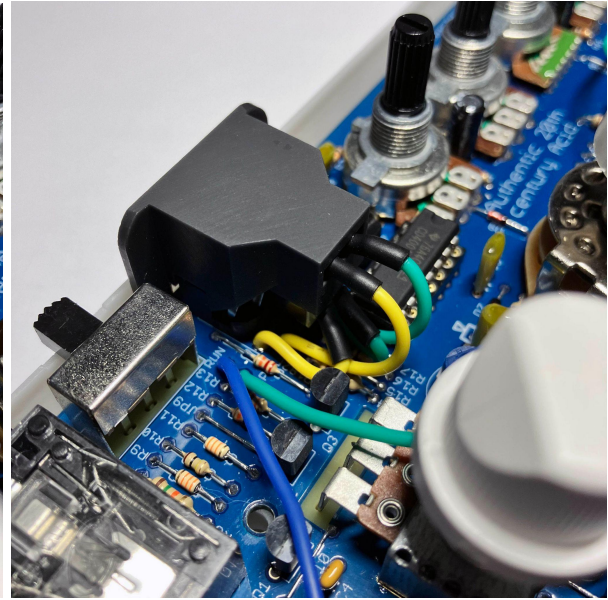
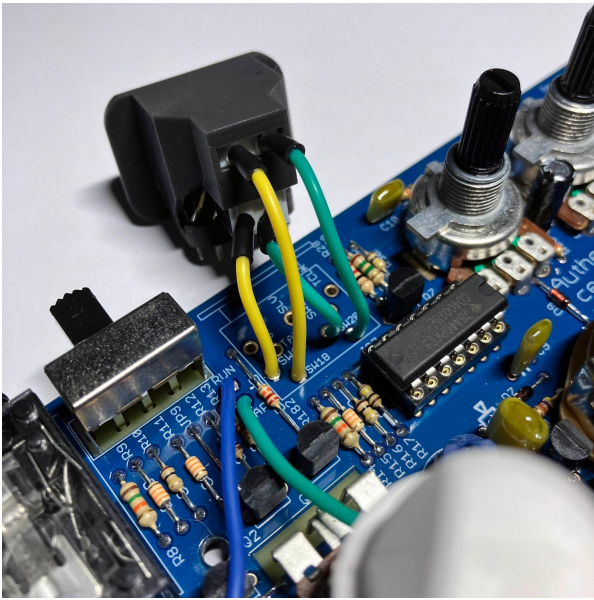
5. Install the base to lock everything in place. Bend the bottom leads to the left as shown to clear the nearby IC if you have socketed it.



6. Solder 4 short leads to the pins of the switch, use shrink tube to protect from short-circuits with surrounding parts.



7. Solder the wires to the board first and then the jack itself.



This design was heavily influenced by the wonderful work by K. Gibson. We used the same donor parts as the original design but created a new housing.

Thank you!

If you have any questions, please feel free to reach us on instagram [@sfsynthworks](#) or email at contact@sfsynthworks.com

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