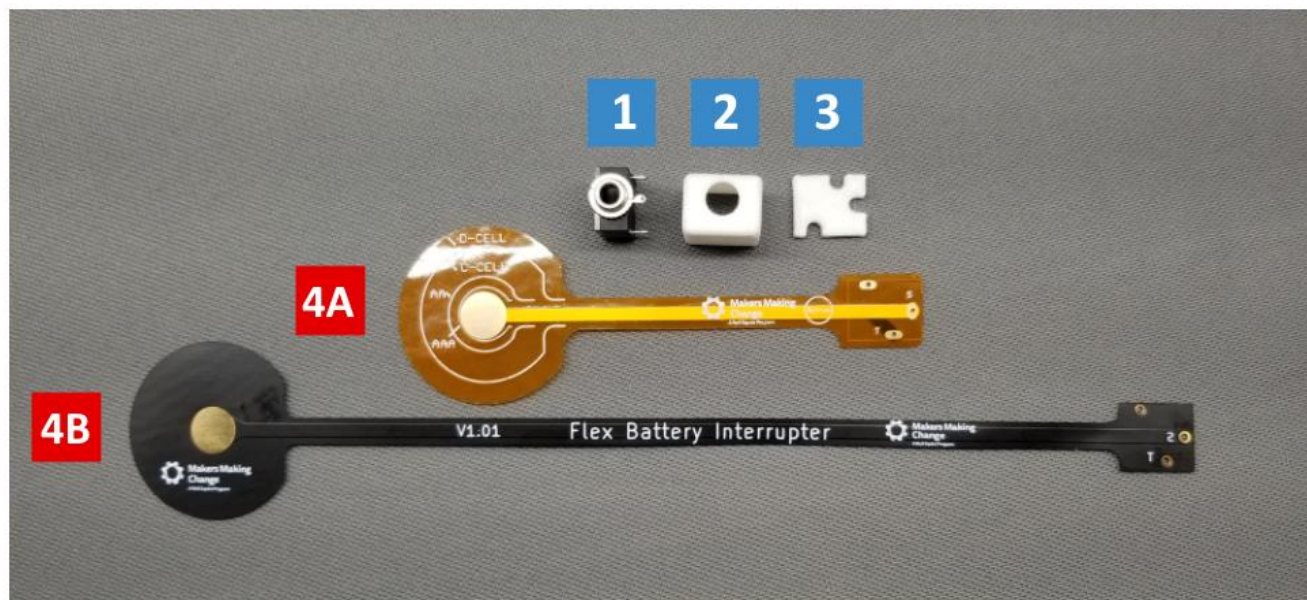


Flex Battery Interrupter: QC Guide



BILL OF MATERIALS

1	3.5mm Stereo Jack	2	Stereo Jack Case	3	Stereo Jack Case Spacer	4A	Flex PCB Model 100
						4B	Flex PCB Model 200



Solder pads in the white rectangle



Flex Battery Interrupter PCB Model

The Flex Battery Interrupter is available in two lengths:

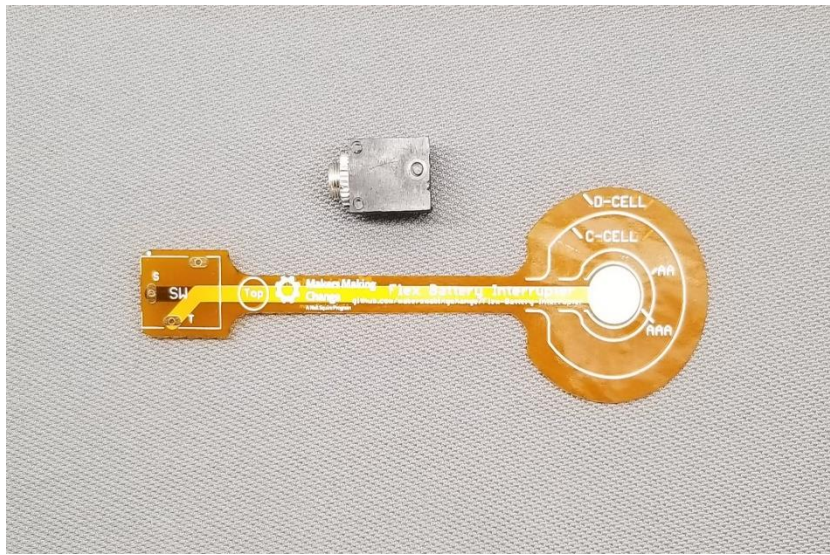
- Model 100, (100mm or 4")
- Model 200, (200mm or 8")

Please select the model which best fits your needs. As the strip length is the only difference, assembly steps, here for both strip types, is the same.



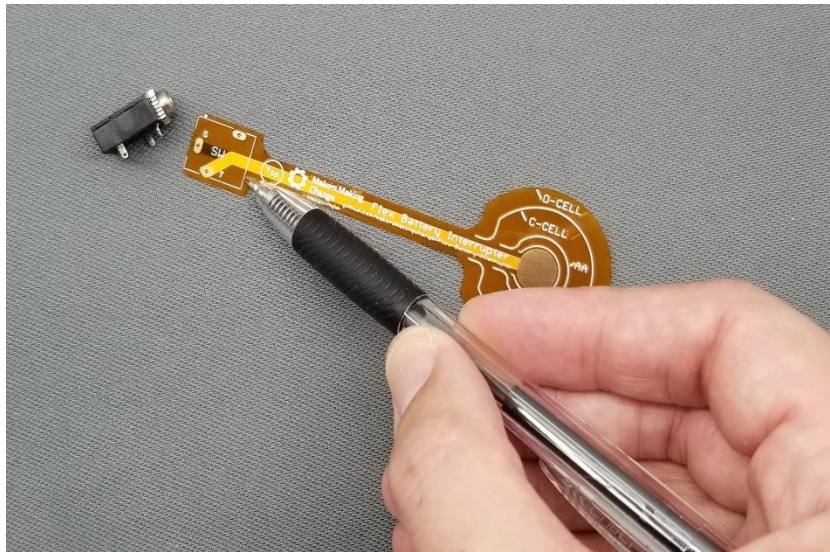
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3.5mm Stereo Jack

Prepare the components including the 3.5mm stereo jack and the flex PCB strip.



Solder on the correct PCB side

The stereo jack will be inserted on the Flex PCB strip side with a thin rectangular part outline.



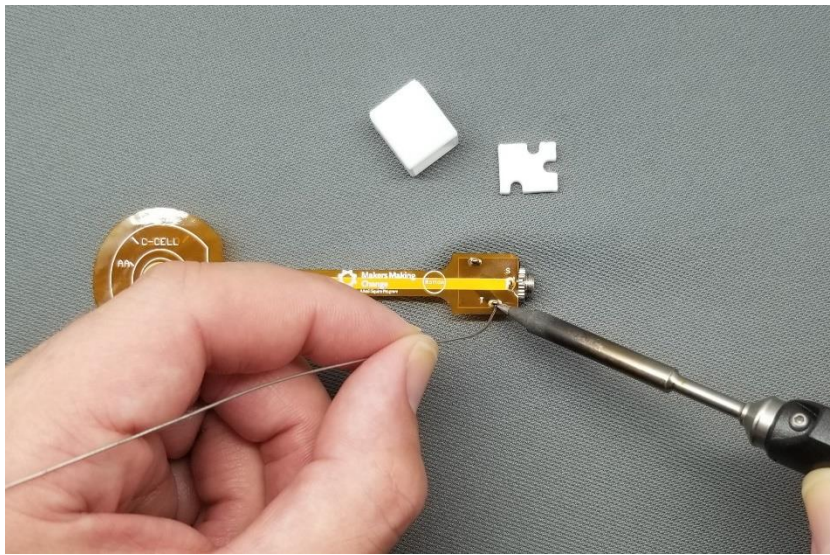
3.5mm Stereo Jack Placement

First insert stereo jack on the Flex PCB side with the thin rectangular part outline, and press the Flex PCB strip onto the stereo jack. Make sure the strip holes remain aligned with the jack pins, as you do so.



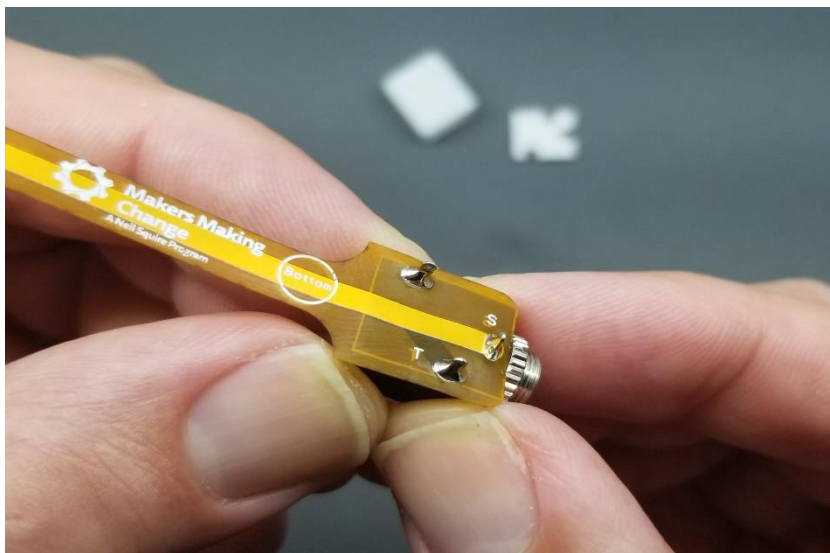
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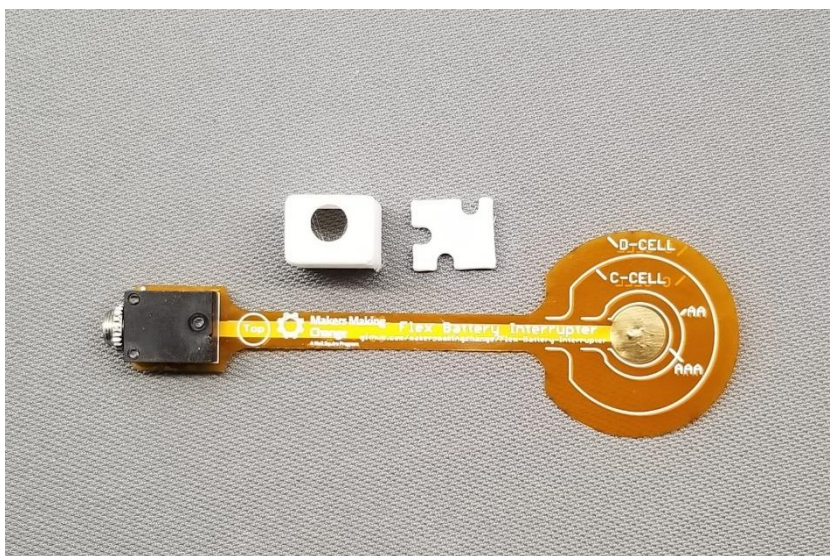
Solder Stereo Jack Joints

Solder all three of the stereo jack joints.



Inspect Soldered Joints

Inspect all three solder joints, and make sure they have been properly soldered.



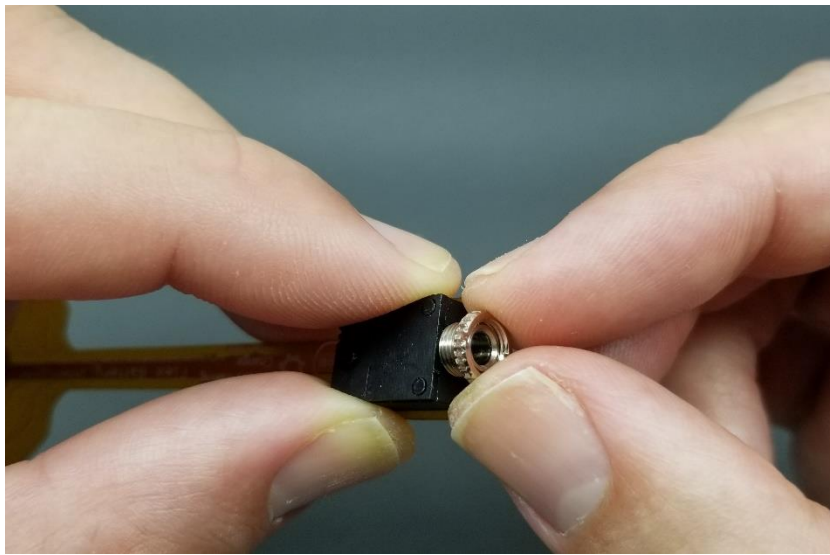
Alignment Pre-Check

The pieces in the photo need to be assembled together in the correct orientation. Note that the hole in the case is closer to the top (jack) side, and the end slot in the jig saw shaped piece will go to the connector jack end.



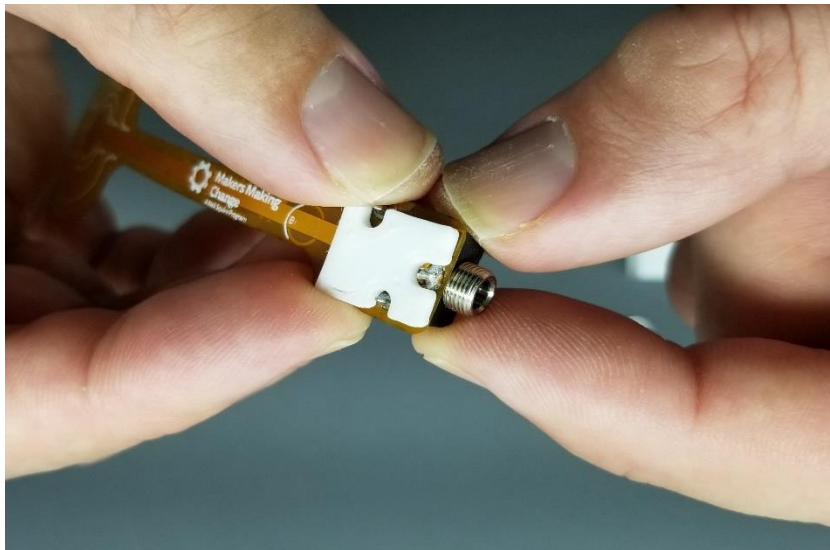
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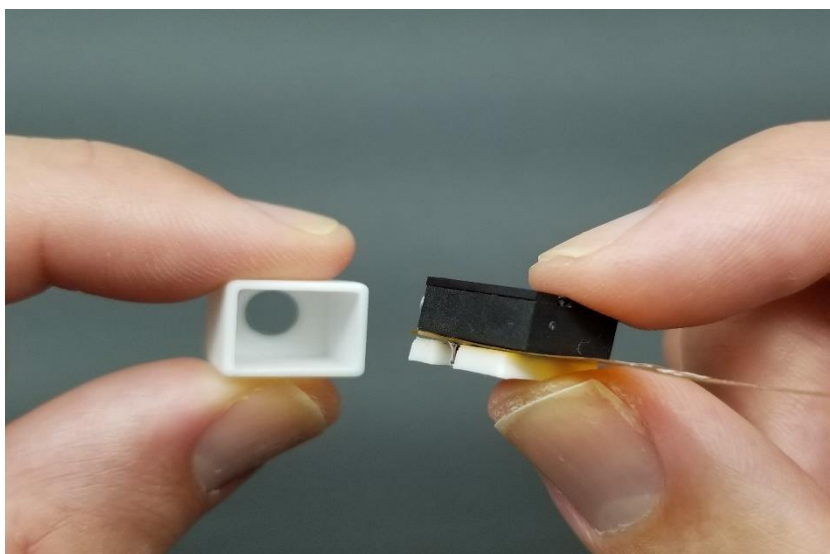
Remove Retainer Ring

Remove the 3.5mm stereo jack retainer ring by turning it counter-clockwise, until it comes off.



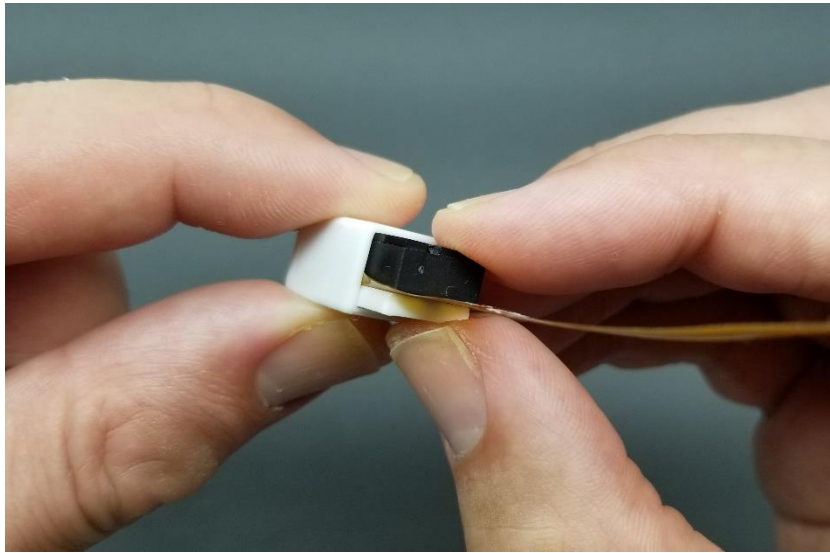
Insert Case Spacer

Hold the case spacer against the solder joint side of the Flex PCB strip, as shown. All solder joints should go through the slots, and the spacer should rest flat against the strip. If the spacer can't rest flat, remove any excess solder from any joint preventing a flat rest.



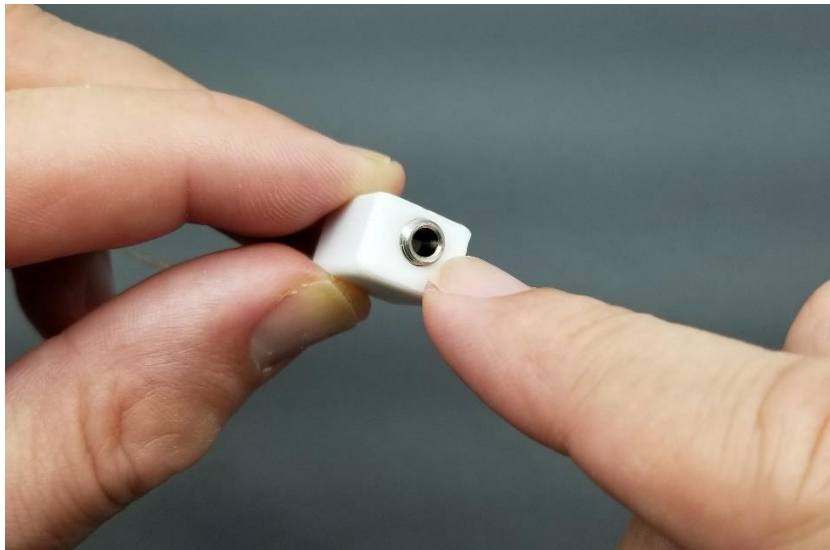
Align Case Spacer

Make sure the 3.5mm stereo jack and the case spacer are correctly aligned. The case hole should be on top, and the spacer side of the jack should be on the bottom.



Insert 3.5mm Stereo Jack

Slide the aligned 3.5mm stereo jack fully into the case.



Inspect Insertion of 3.5mm Stereo Jack

Make sure the 3.5mm stereo jack is fully inserted, and the jack end protrudes enough for the retainer ring to be inserted.



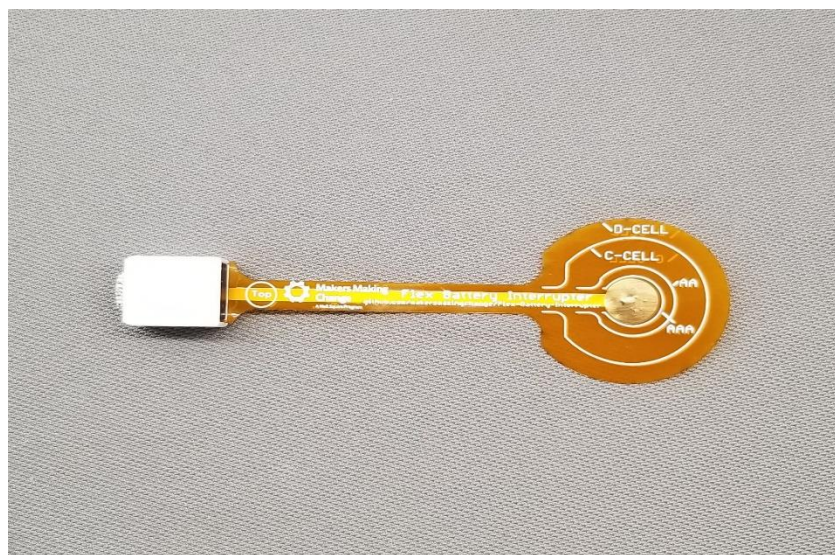
Insert 3.5mm Stereo Jack Retainer Ring

Insert the 3.5mm stereo jack retainer ring, by screwing it on clockwise. This will secure the case. If you have large fingers, it may be easier to tighten the retainer with a pair of fine tipped pliers (as shown).



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Completion

The Flex Battery Interrupter is now fully assembled and is ready for usage.
Happy Making!



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