Excerpt from PS Hybrid Gluing Jig SOP Rev. Nov. 26th 2024

For any questions regarding the ROH bending tool, please contact:
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6.4 Readout Hybrid (ROH) Attachment

6.4.1. Use the ROH bending tool to prepare the ROH tails. There are 4 components for the ROH bending tool: (A) the base, (B) the hat, (C) the first bend pair, and the (D) second bend pair.
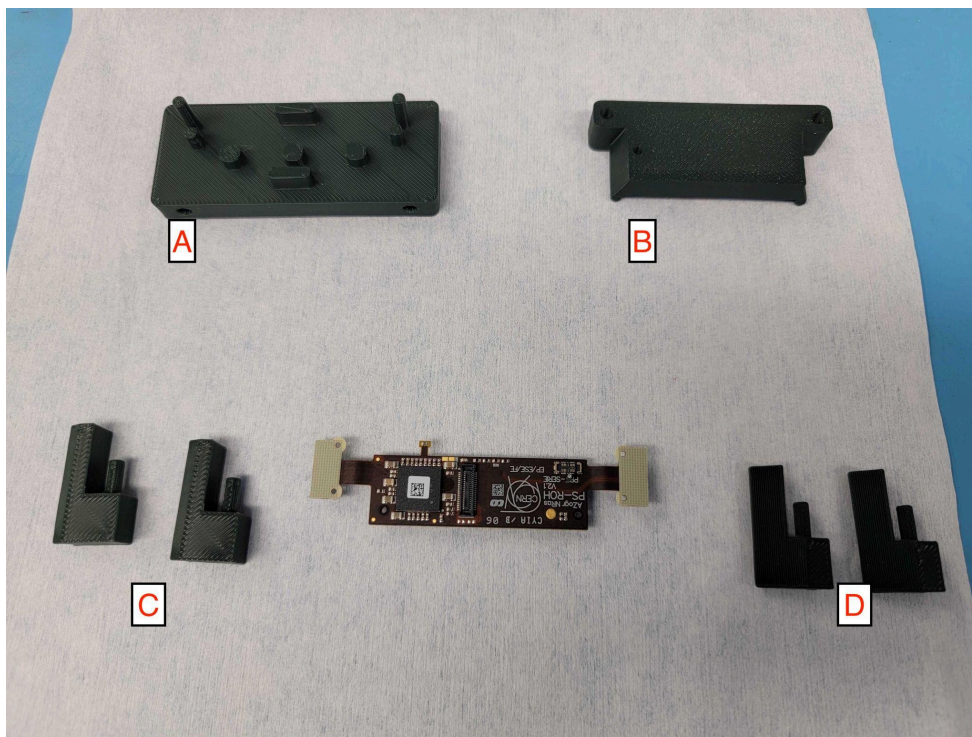

Figure 13, components used for ROH bending procedure. (A) the base, (B) the hat, (C) the first bend pair, and the (D) second bend pair.

6.4a ROH bending tool procedure

1. Place the ROH on the base, with the temperature sensor facing away from the alignment posts. It should fit snugly in the space between alignment edges.
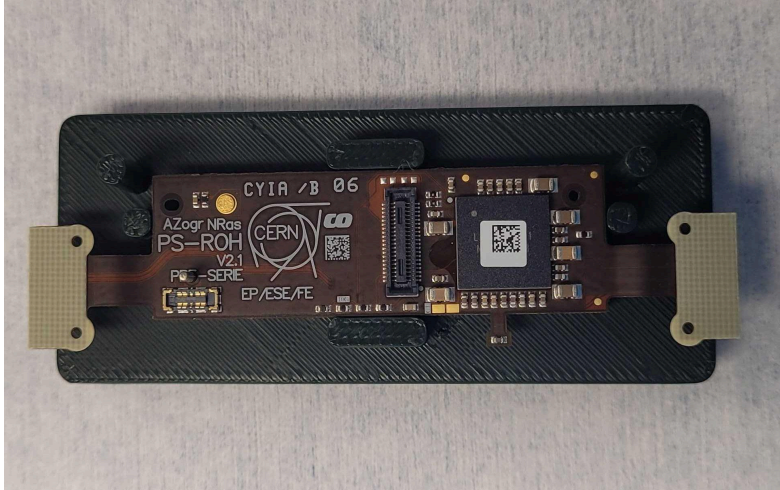
Figure 14, ROH placed in bender base.

2. Place the hat over the ROH, using the alignment pins.
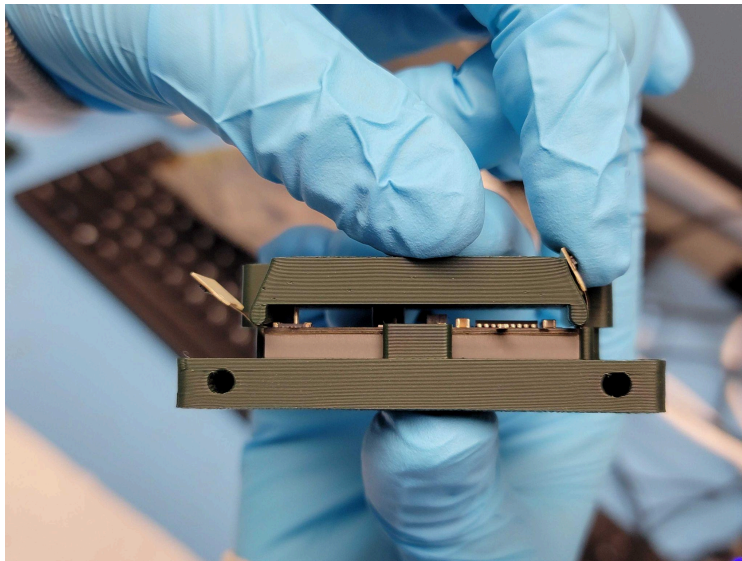3. Bend the ROH tails over the hat's rounded sides.

Figure 15, ROH tail bending over bender hat.

4. Slide the first bender pair into the holes on the base. The long side should be facing out from the center of the base. The tail should fit between the hat and the first bend pieces.
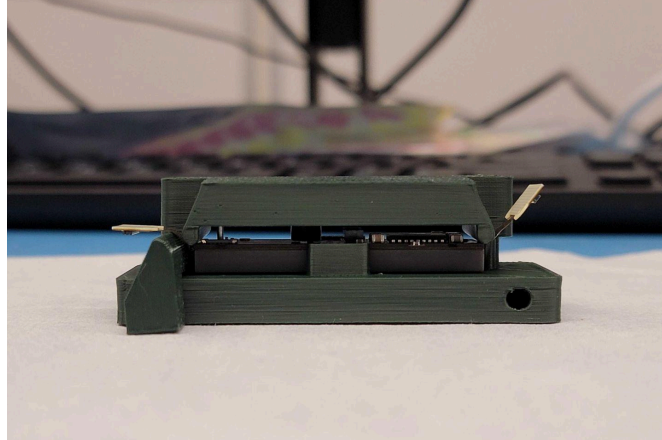5. Bend the ROH tails downward over the long face of the bender.

Figure 16, Downward bend insert placed in base.

6. Remove the first bend pair, and insert the second bend pair. The tails should fit between the pieces and the hat. The rounded end should be towards the inside of the bending tool.
7. Press the connectors against the flat face of the bender, this will give the tails a counter bend, allowing them to be held straight.
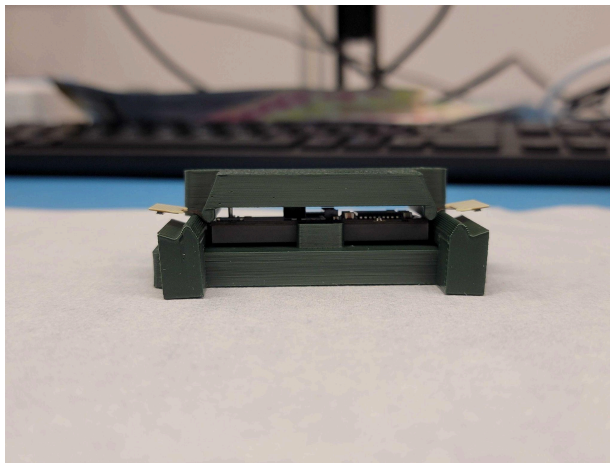

Figure 17, Upward bend insert pairs placed in base.

8. Remove all pieces and remove the ROH.
9. Apply a small downward bend to the temperature sensor, this will ensure contact to the PSs when attaching to the module.