

M1 MAC MINI|MINI

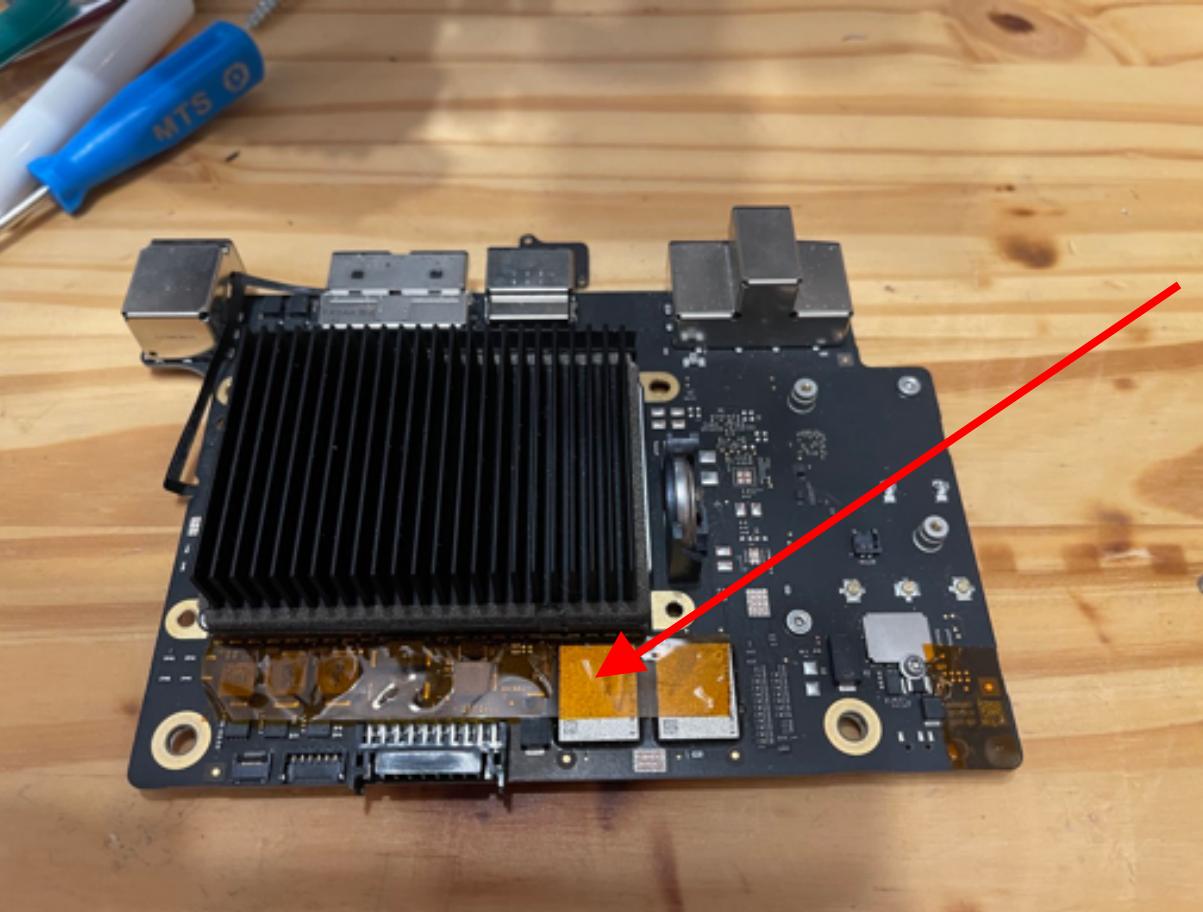
Assembly Guide

Disclaimer...

This project is not an objectively difficult one; however, it requires discernment and intuition. Understand that given the tolerances of 3D printers, what cable lengths and termination types you elect, any part variances you take, etc., will likely change the fitment and deviate beyond the scope of this manual. The risk of damaging something is quite low, but anything is possible when it comes to DIY and **SNAZZY LABS AND ITS AFFILIATES WILL NOT BE HELD LIABLE FOR ANY DAMAGE INCURRED DURING THIS PURELY COSMETIC AND ENTIRELY UNNECESSARY MODIFICATION. PROCEED AT YOUR OWN RISK.**

Oh, also, carne asada is the best protein selection for a burrito.

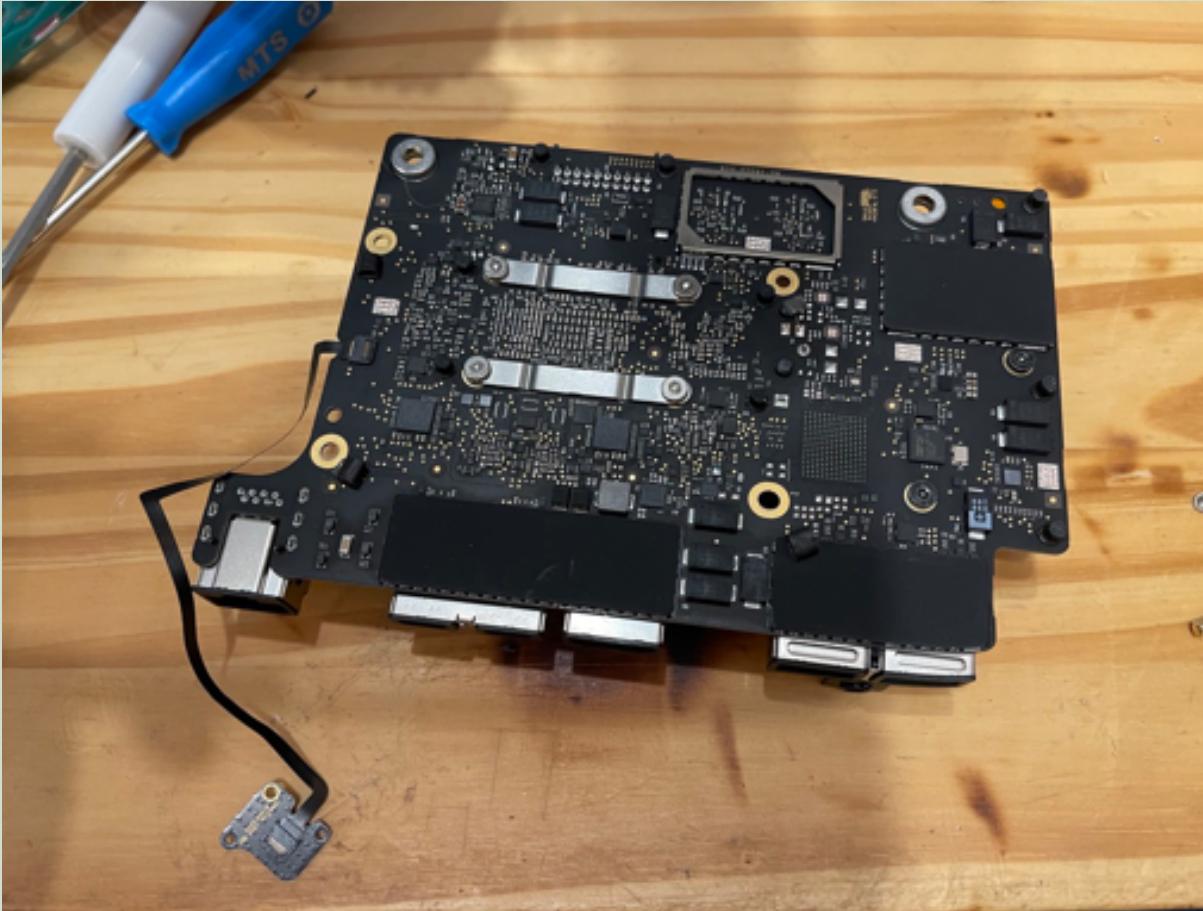
Mask PCB



Apply Kapton tape here (your DC/DC converter board will likely contact this section so a safety buffer is required to prevent shorts. Also ensure there is kapton tape covering the bottom of your DC/DC conv. board.

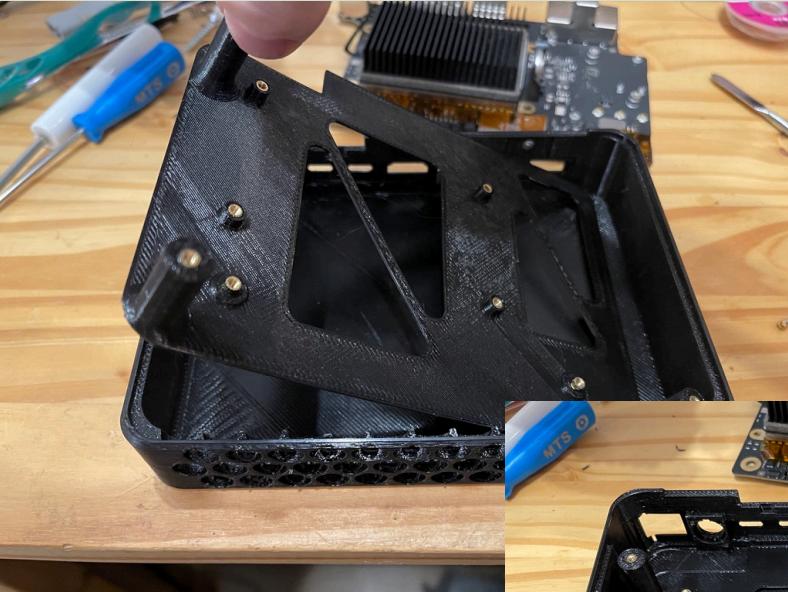
Note: you do not need Kapton tape in the bottom right location as indicated by photo

Reinstall Power Button PCB / ZIF Cable



You'll want to attach the ribbon cable ZIF connector at this stage as it will be difficult to do later on.

Affix PCB Tray Inside Housing



You'll want to insert your PCB tray inside your main housing and affix with the proper adhesive. You can acetone weld or use super glue dependent on the materials you're attempting to mate.

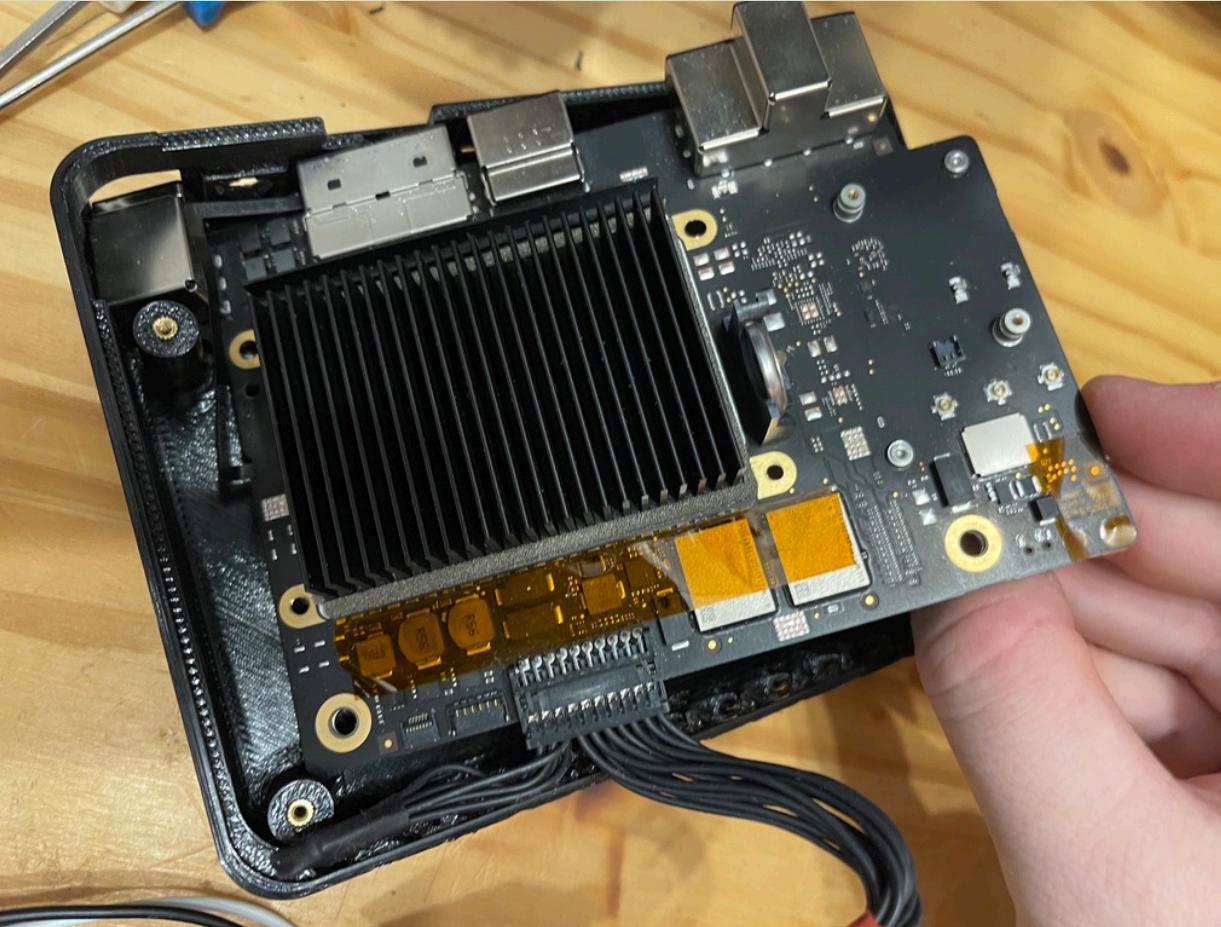
Learn more [here](#).

Reinstall Power Header



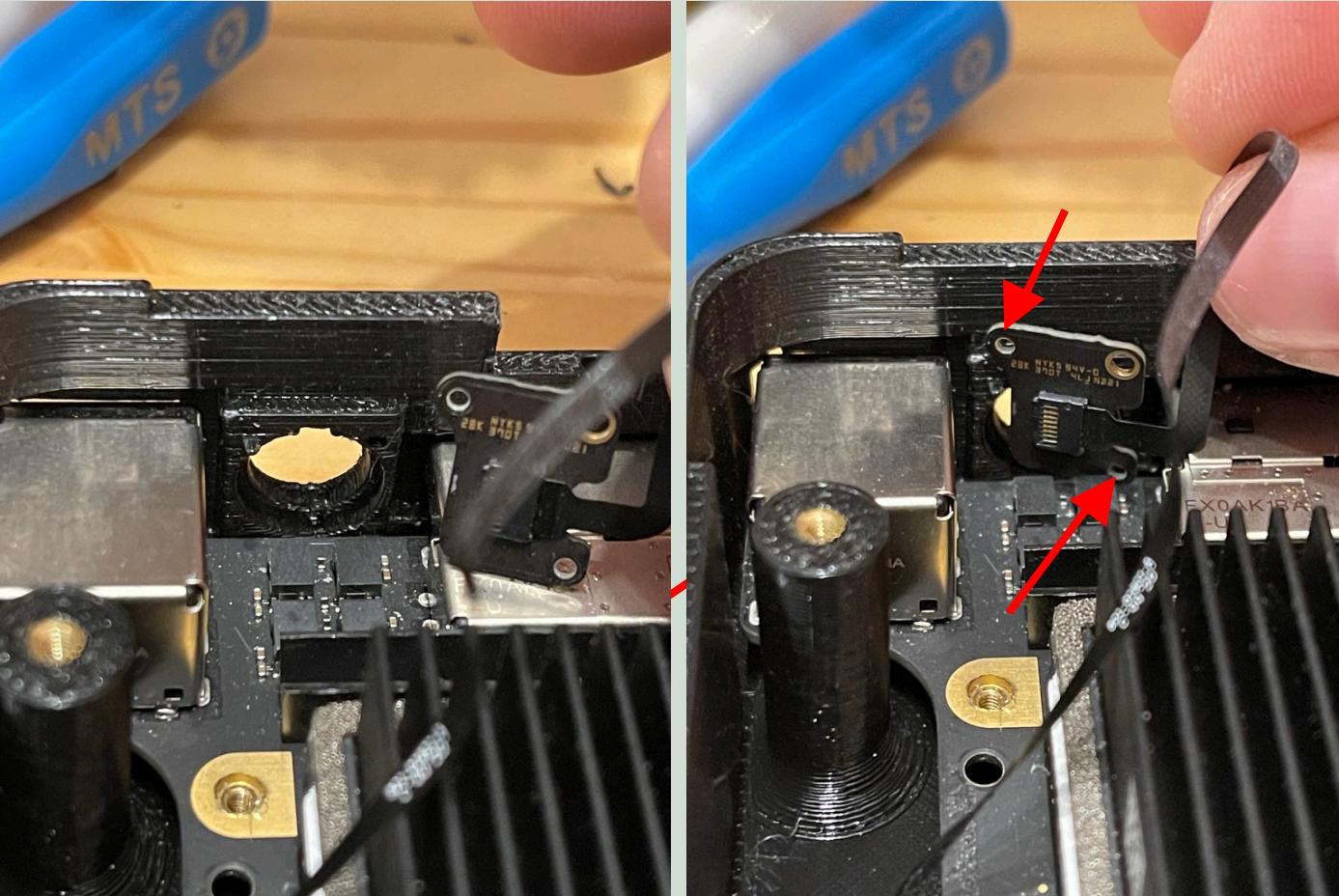
Ensure the +12VDC/0V return cables go in one direction and the N.C. wires go in another. The fitment will be tight and you won't have much wiggle room.

Reinstall PCB-A



Reinstall the logic board by inserting it Ethernet corner first and then slowly rotating down into position. It is a very tight fit so be patient and be careful not to break the tall (and laterally fragile) mounting posts. Ensure your power button and ZIF conn. are not buried under the USB-C ports.

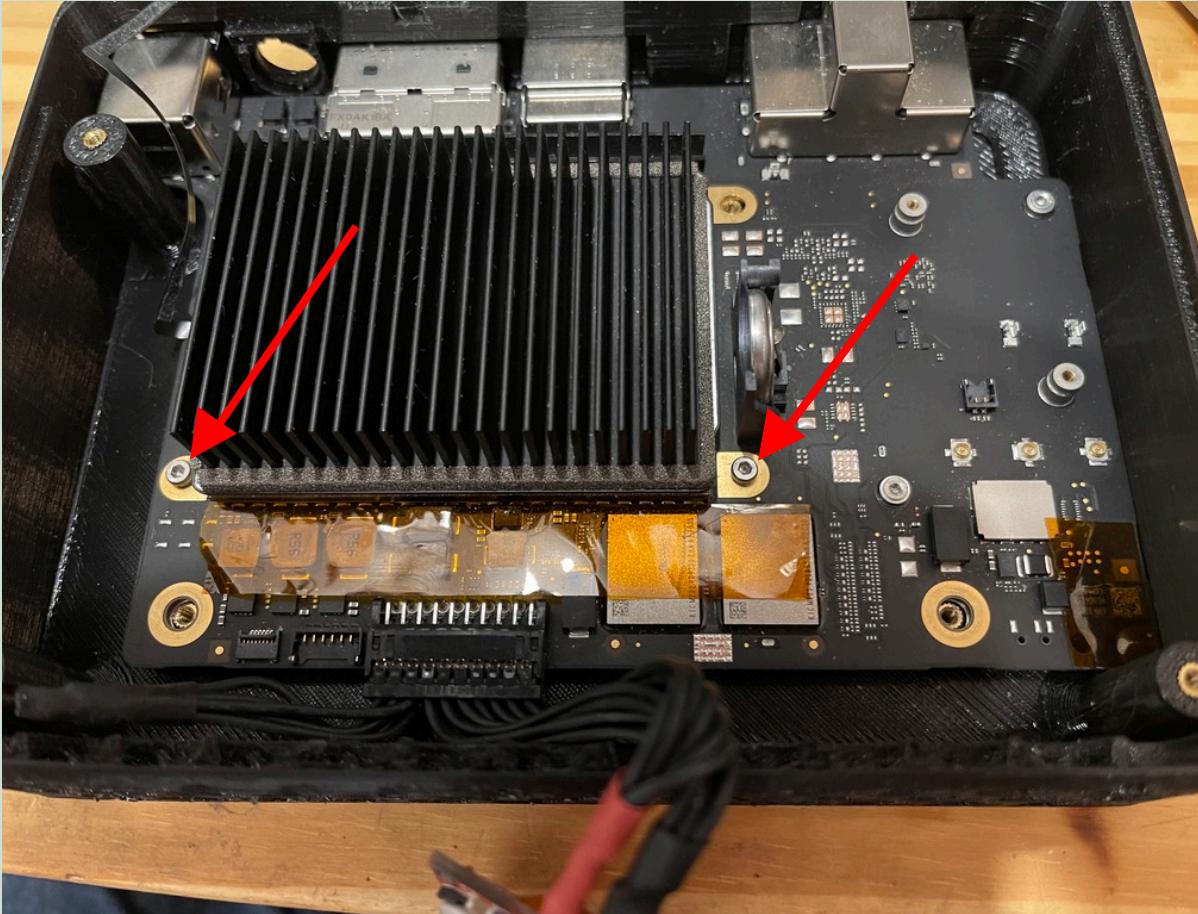
Reinstall Power Button



First install the plastic power button harvested from your Mac mini. Next you will install the PCB. Take note of orientation. Two holes should be up top. The two smaller holes (that are kitty corner) should fit in the stand-off posts. You can either plastic weld or hot glue the board into place (we found the latter to work great and is more easily reversible).

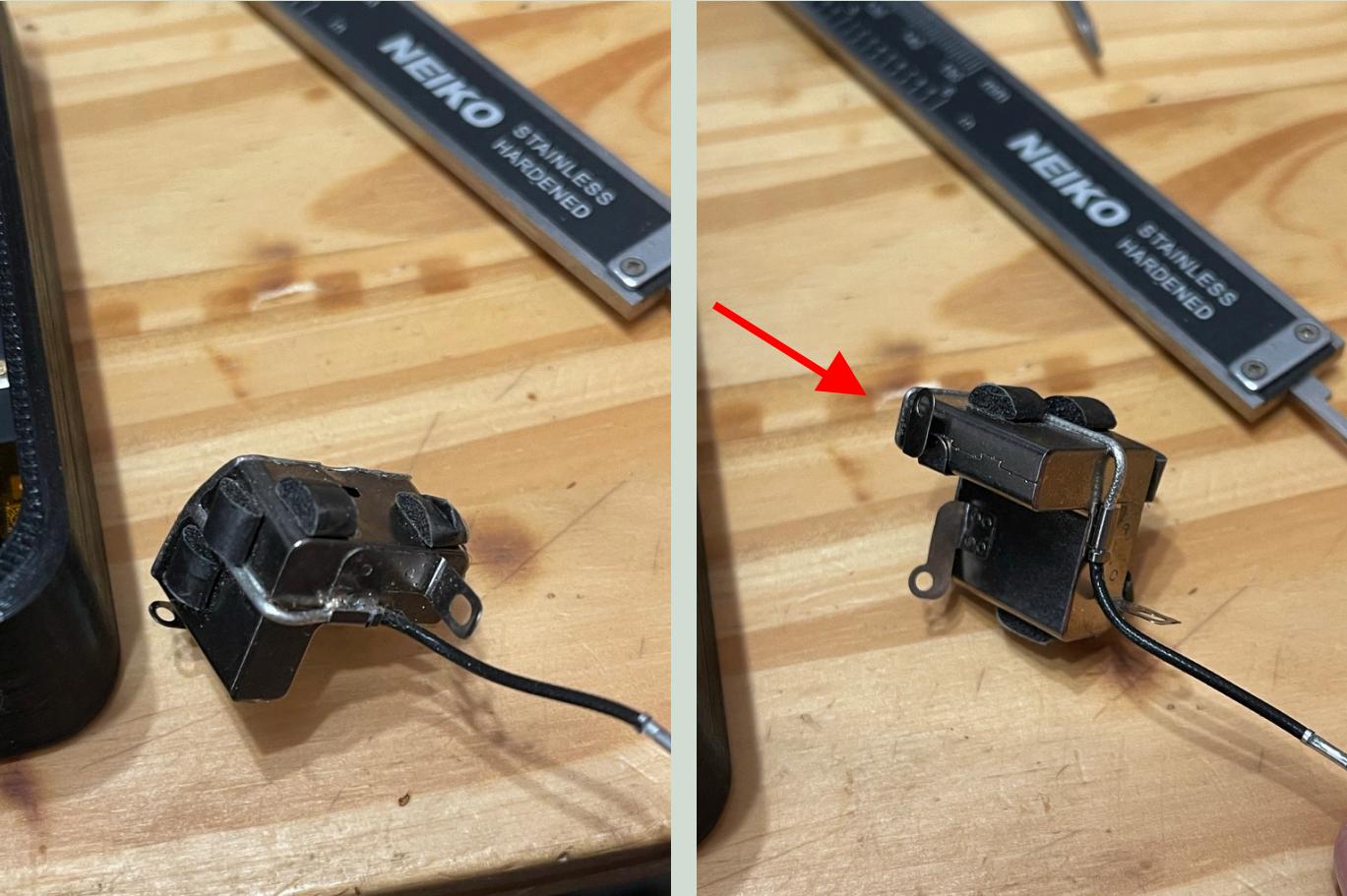
Note: our ZIF cable is upside down in this photo. Ignore it.

Affix Logic Board



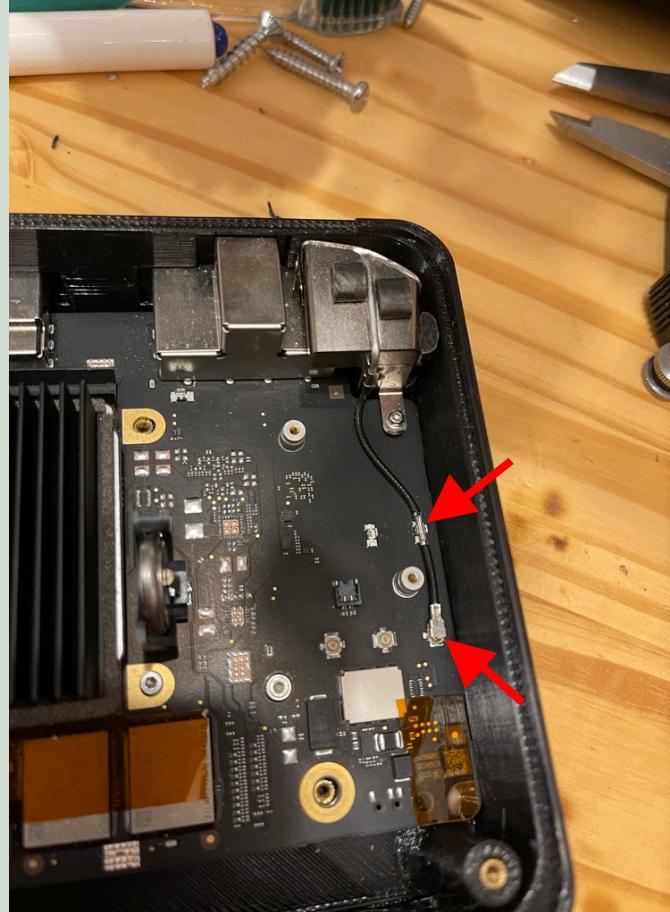
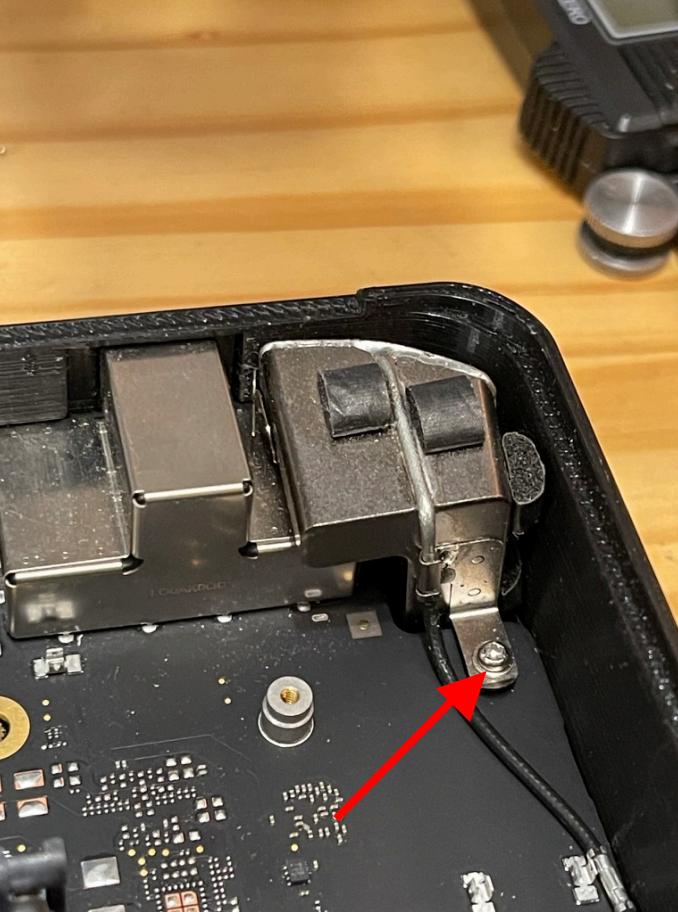
Insert two short, M2 screws into your heated thread inserts to hold the board into place.

Prepare Antenna



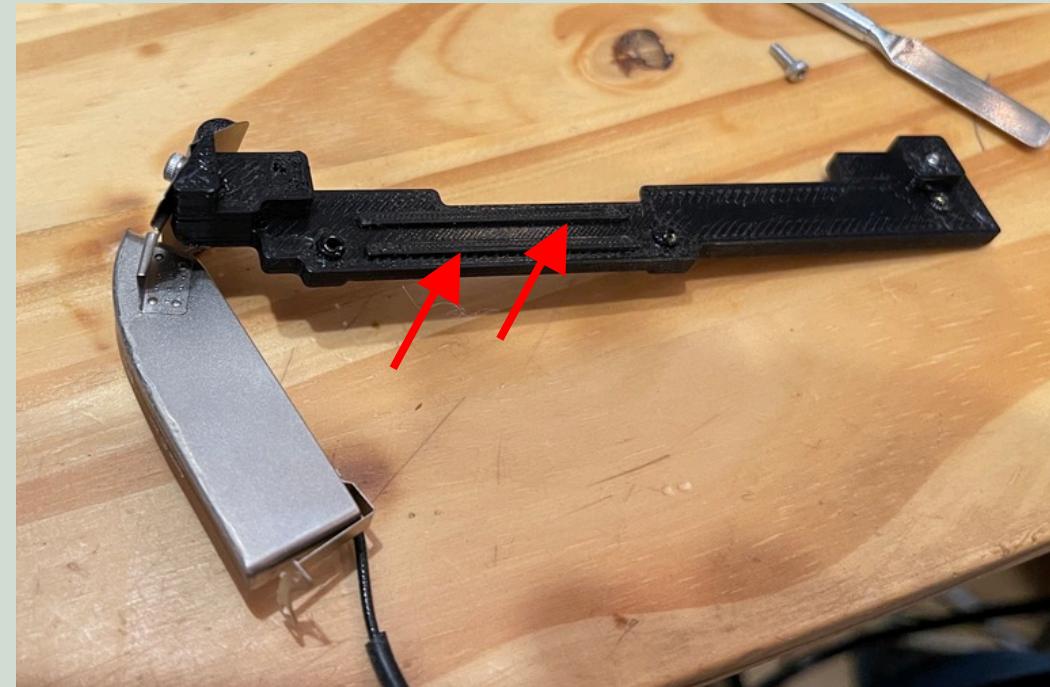
Prep your antenna by bending this mounting ear inward.

Prepare Antenna



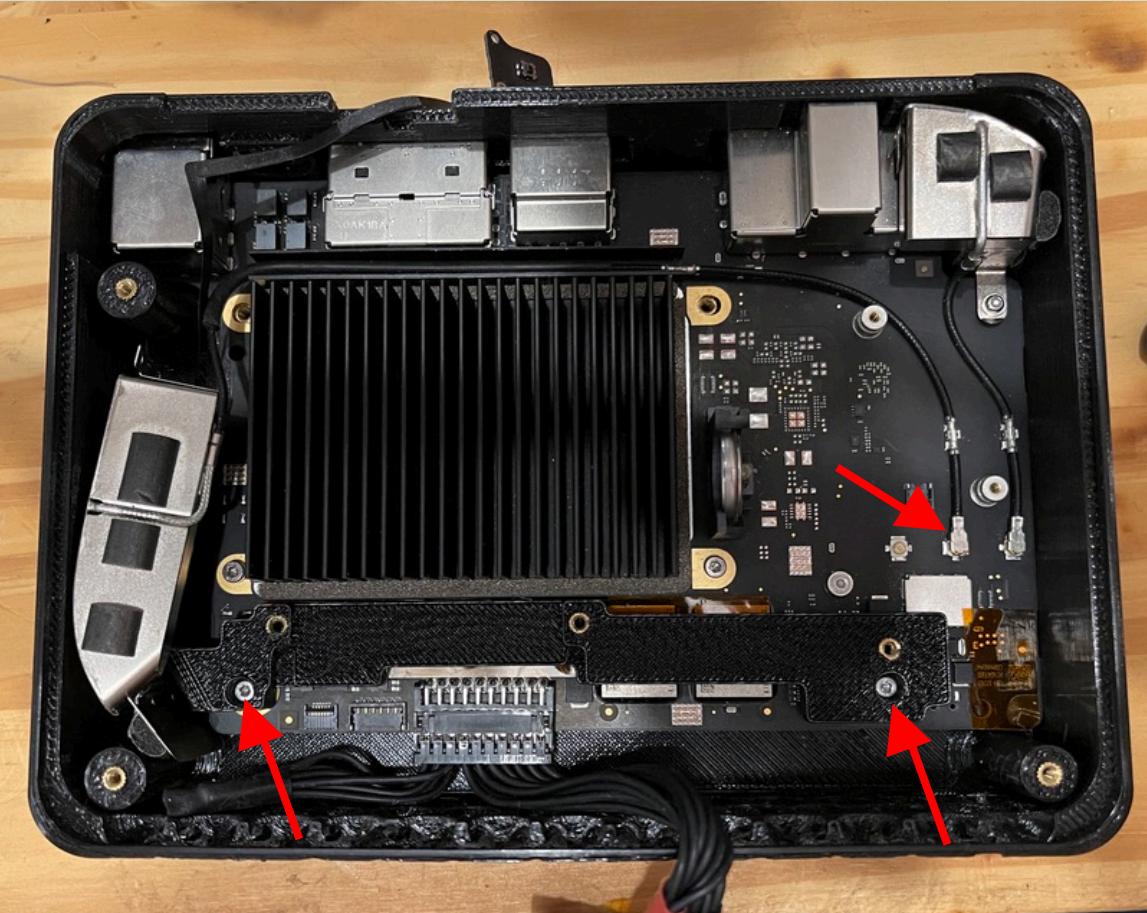
Screw antenna into board and replace antenna connector into proper location. Utilize cable clip.

Prepare Antenna Numero Dos



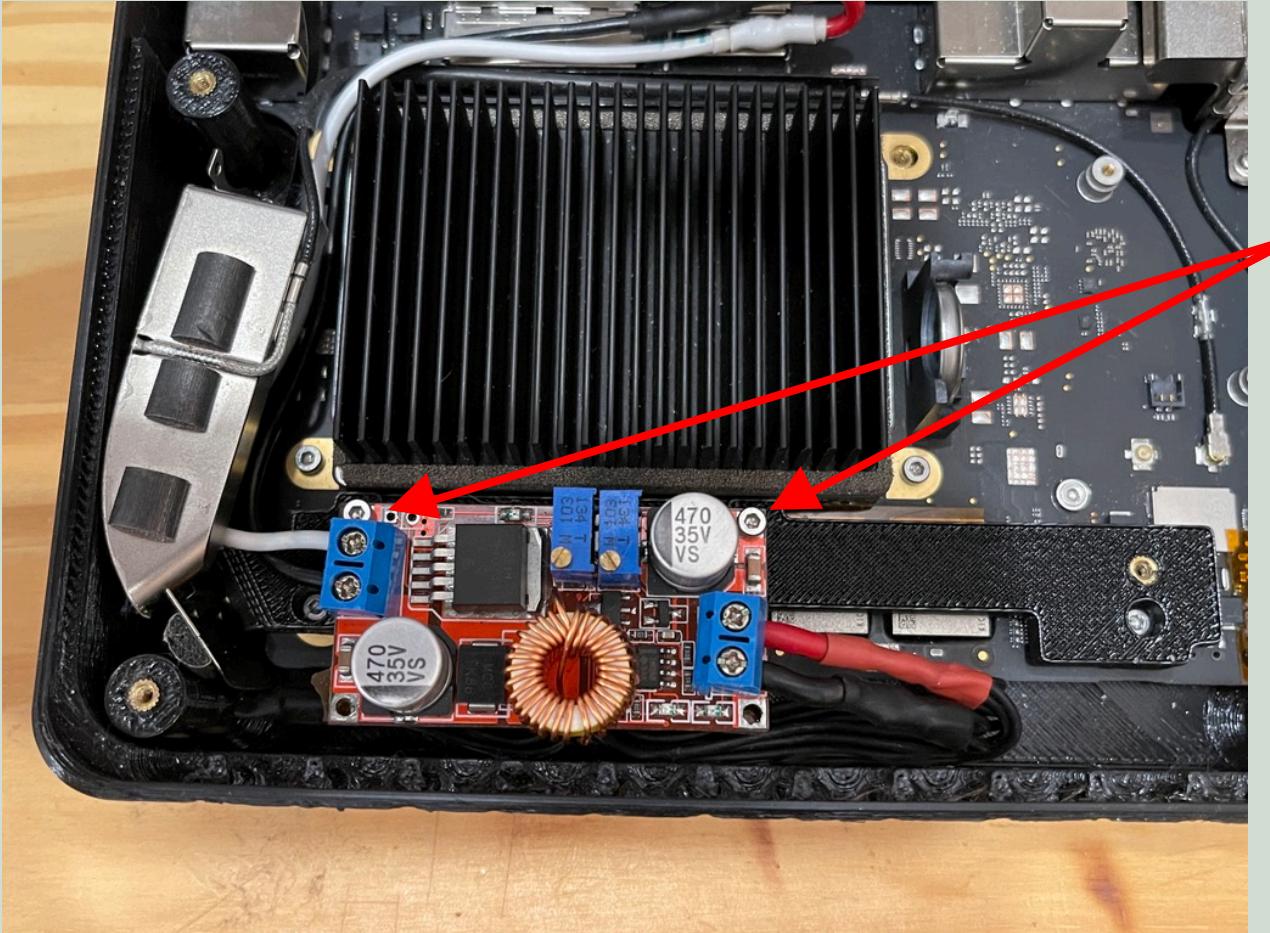
Bend antenna into position using first picture as reference. Then, screw antenna into printed riser. Use two printed lines to note orientation.

Install Antenna Bracket



Install two screws into threaded inserts to affix riser bracket. Then, plug secondary antenna into position (note cable route).

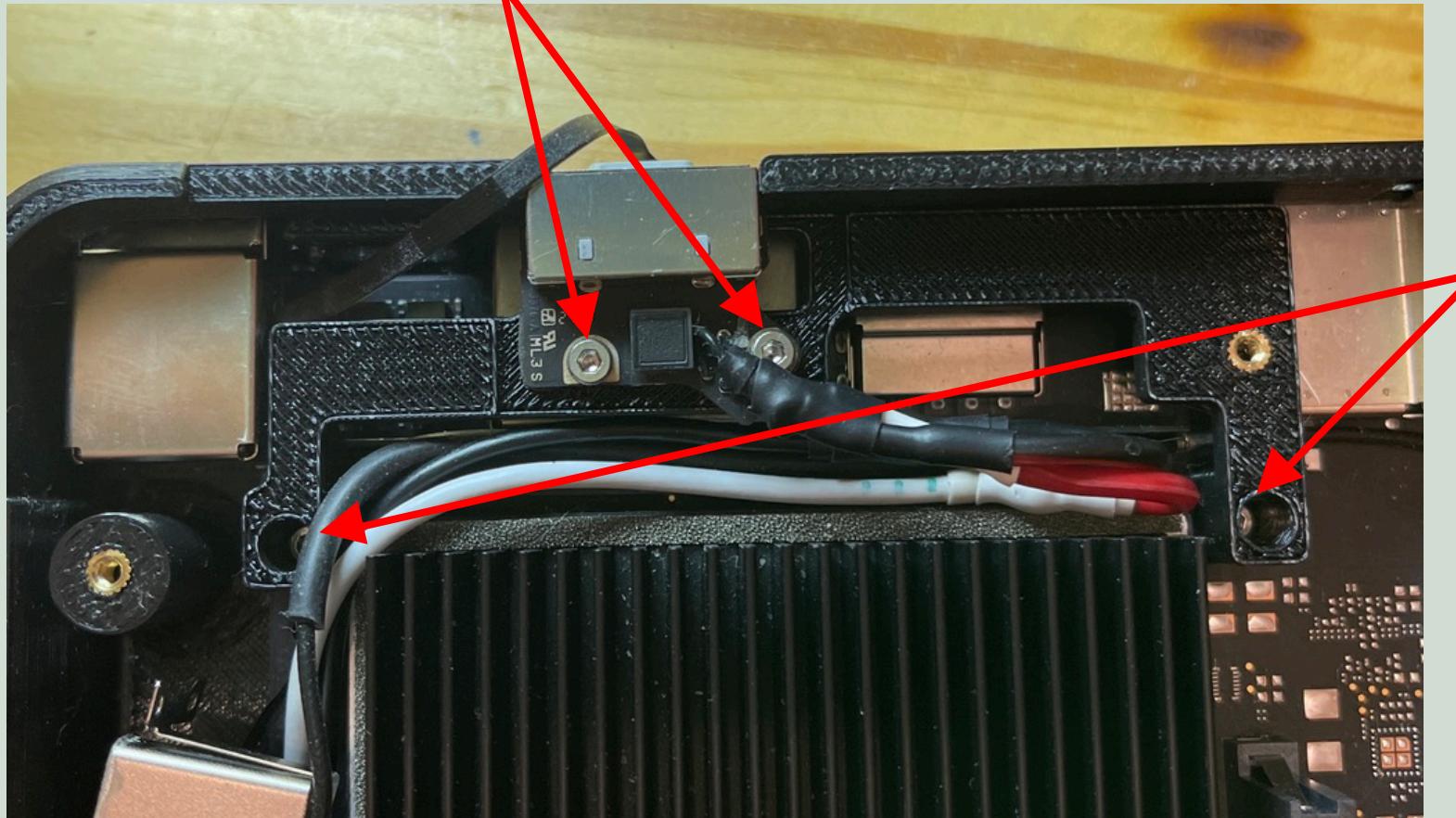
Install Antenna Bracket



Install DC/DC board screws being careful to note how cable is wired to back of machine—place the bulk of any excess wiring underneath antenna numero dos.

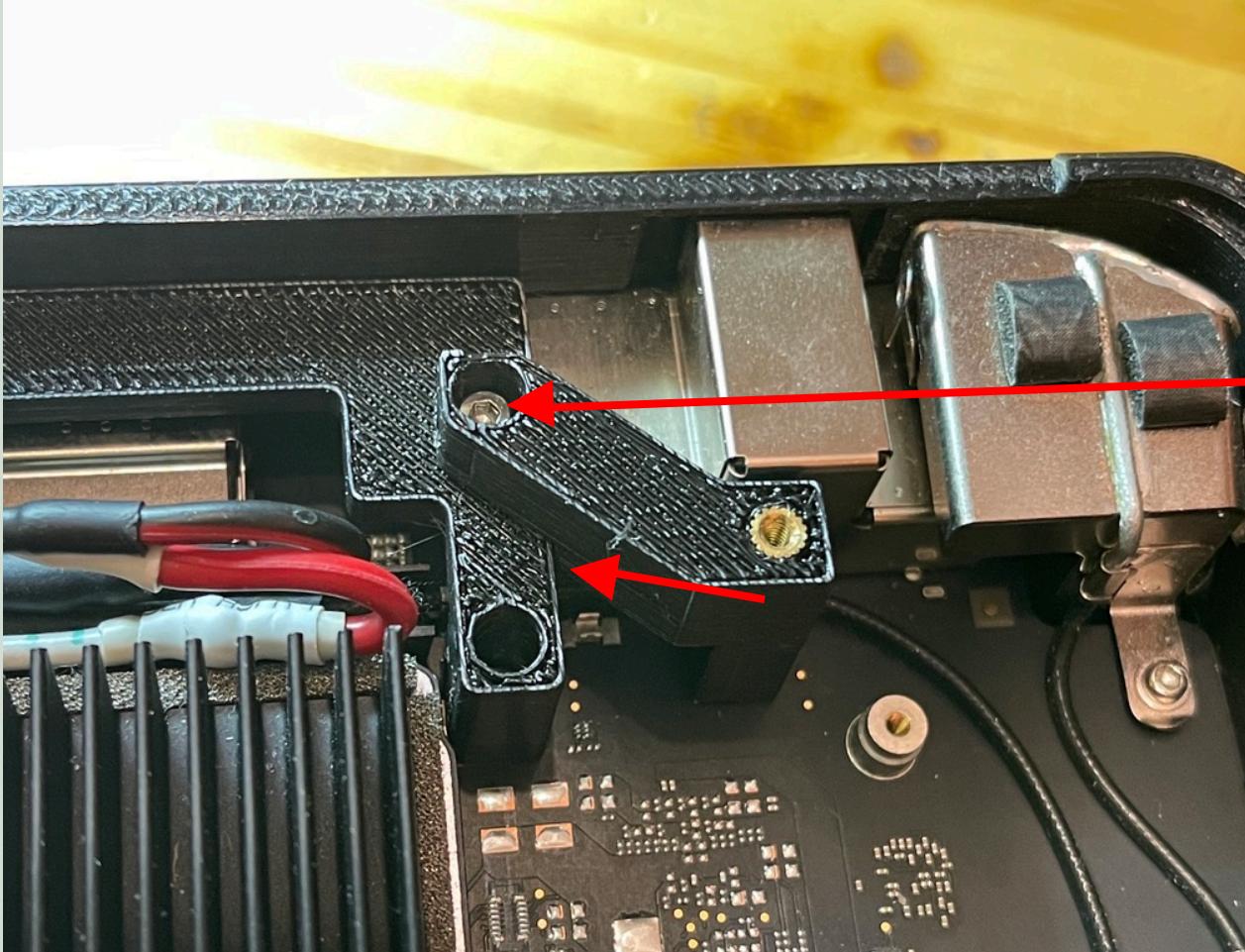
Install Antenna Bracket

Affix two MagSafe screws into riser inserts.



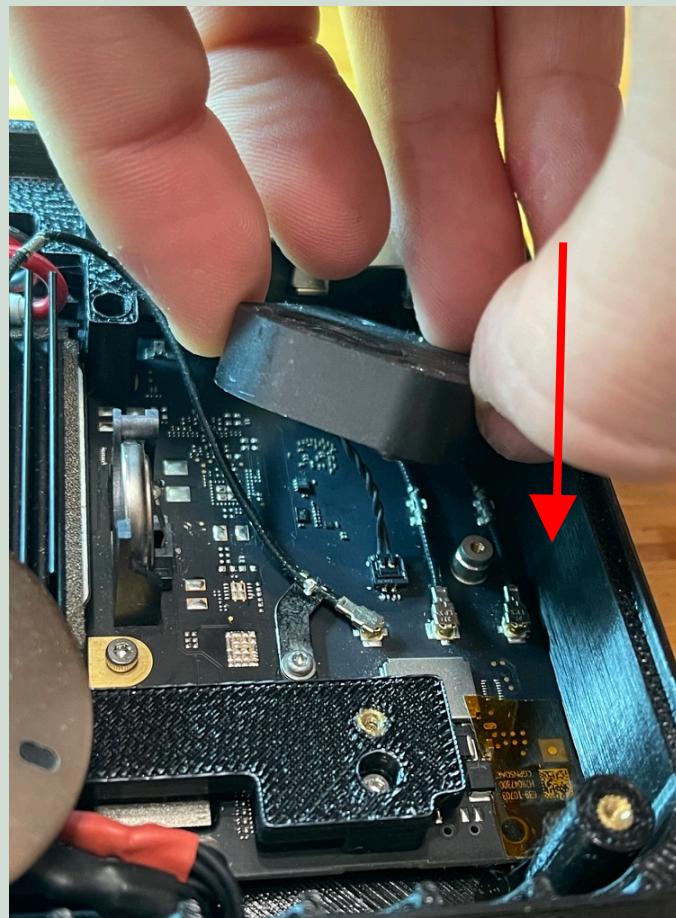
Place secondary
riser into position
and affix with two
screws into
threaded inserts.
Pay attention to
cable orientation.

Install Bottom Cover Standoff



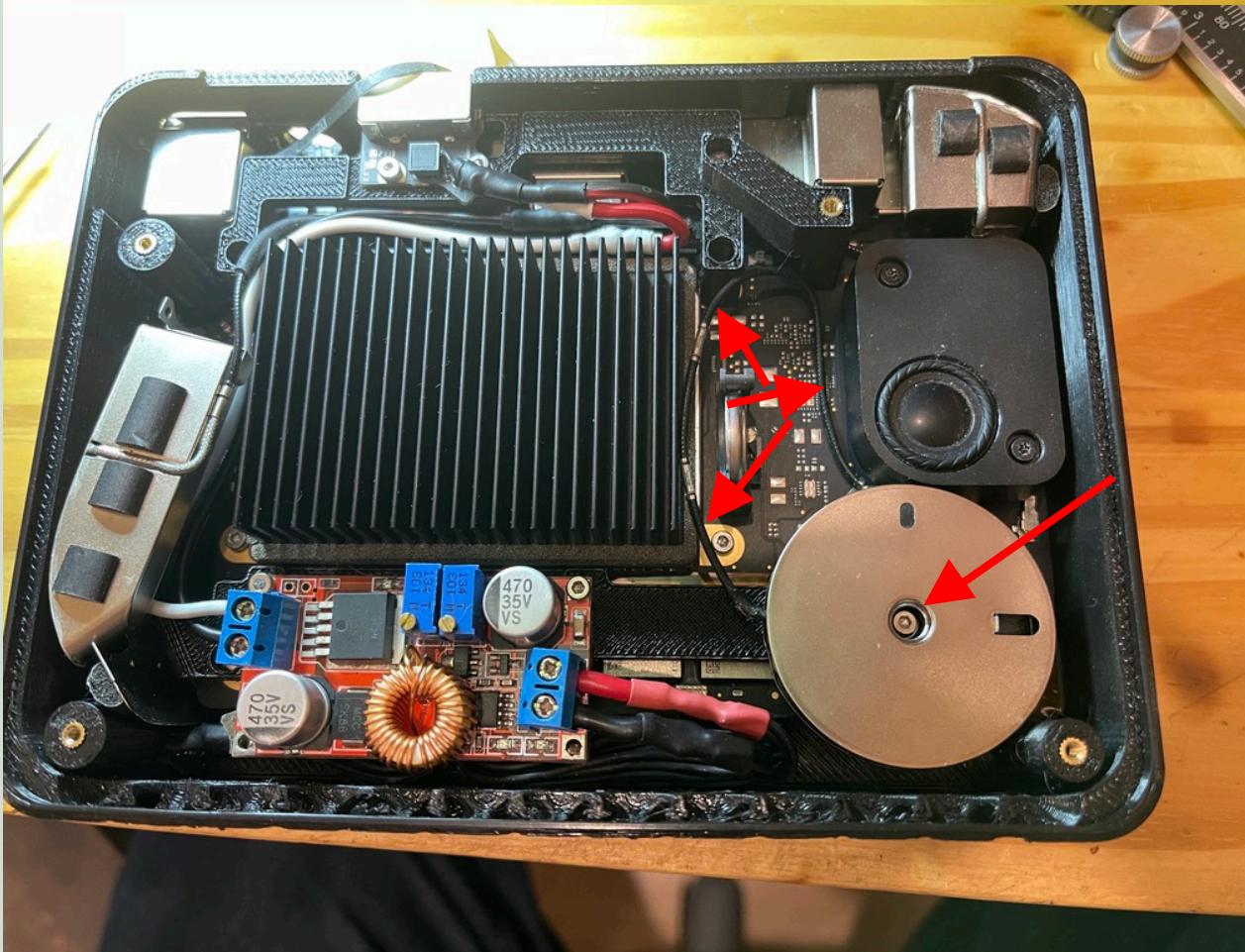
In order to install the bottom cover, take your piece with the threaded insert and place it into this orientation fastening it to the riser board. It should fall into place but ensure angle between the two parts is about 30-40 deg.

Last Antenna & Speaker Install



Reconnect the last antenna (don't worry, we'll mount it on the next page) and affix it back to the board with its original screw. Then, re-connect and re-install the speaker.

Affix Round Antenna to Riser



Screw round antenna into standoff. Take note of how the cable is routed inside the case.

Add Bottom Plate



Finish by adding 4 aesthetically pleasing screws to the bottom of the machine!

TA-DA!



TA-DA!

