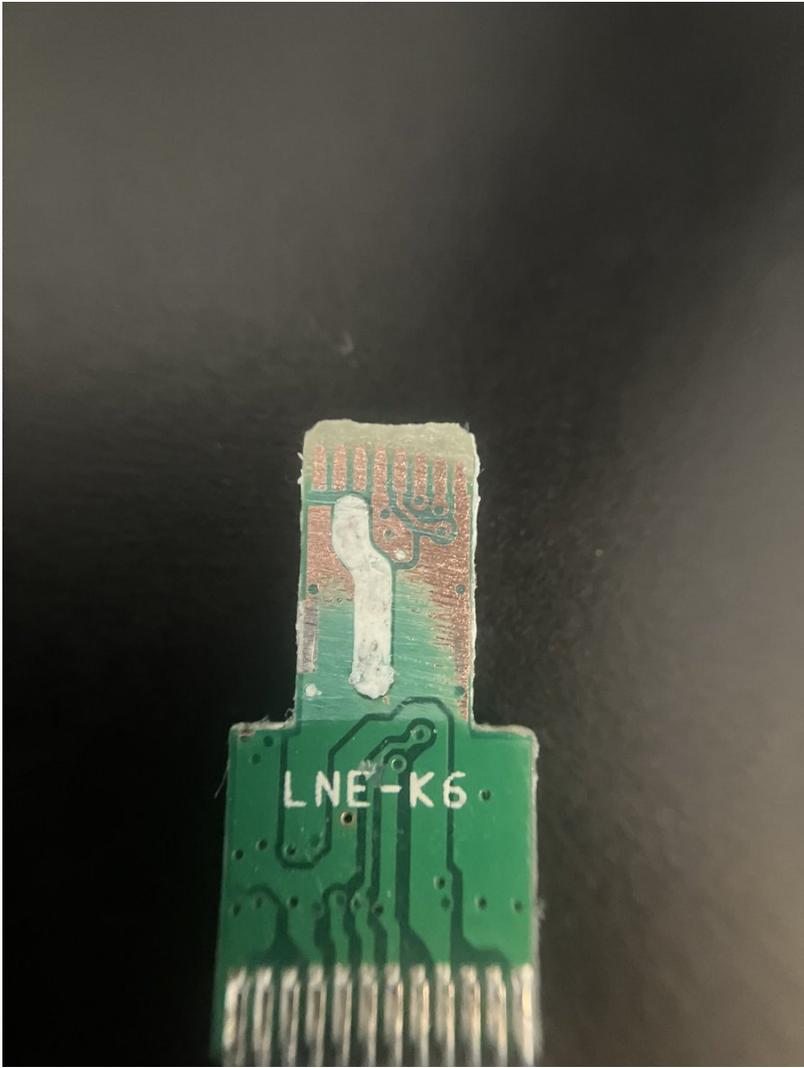
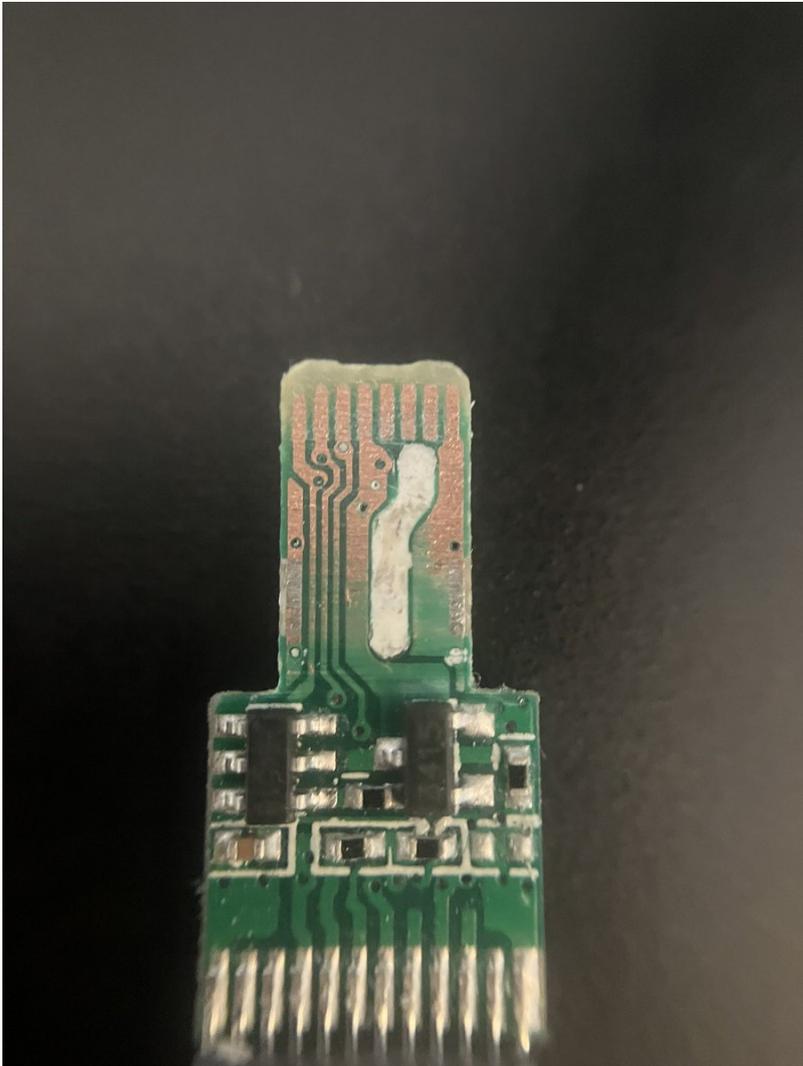


I melted off the lightning connector, and did some sanding. Looks like there's only power and 3 signal wires to really care about. <https://t.co/Nax7a7XNN5>

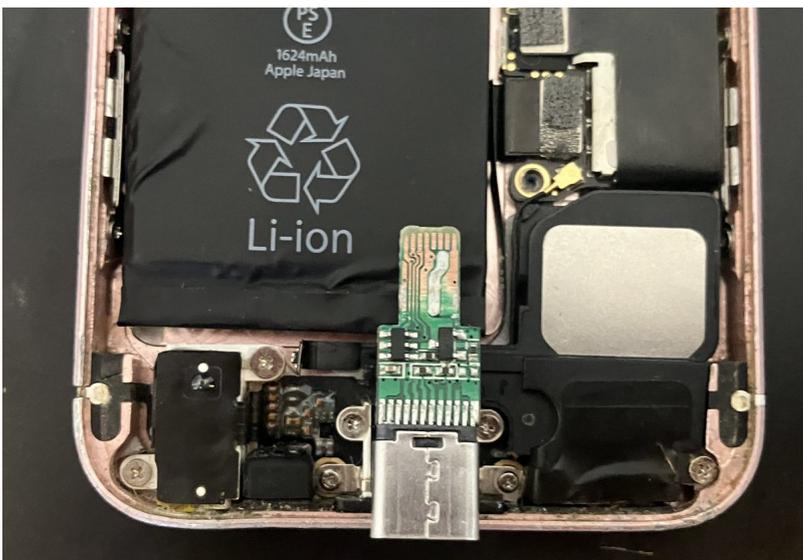




Now, I *could* desolder the type C connector, trim the pcb, and relocate it neatly to the void to the left of the port.

Or, I could slide the battery up, cut part of the speaker housing off, and just jam it in as-is. I think i'll do that.

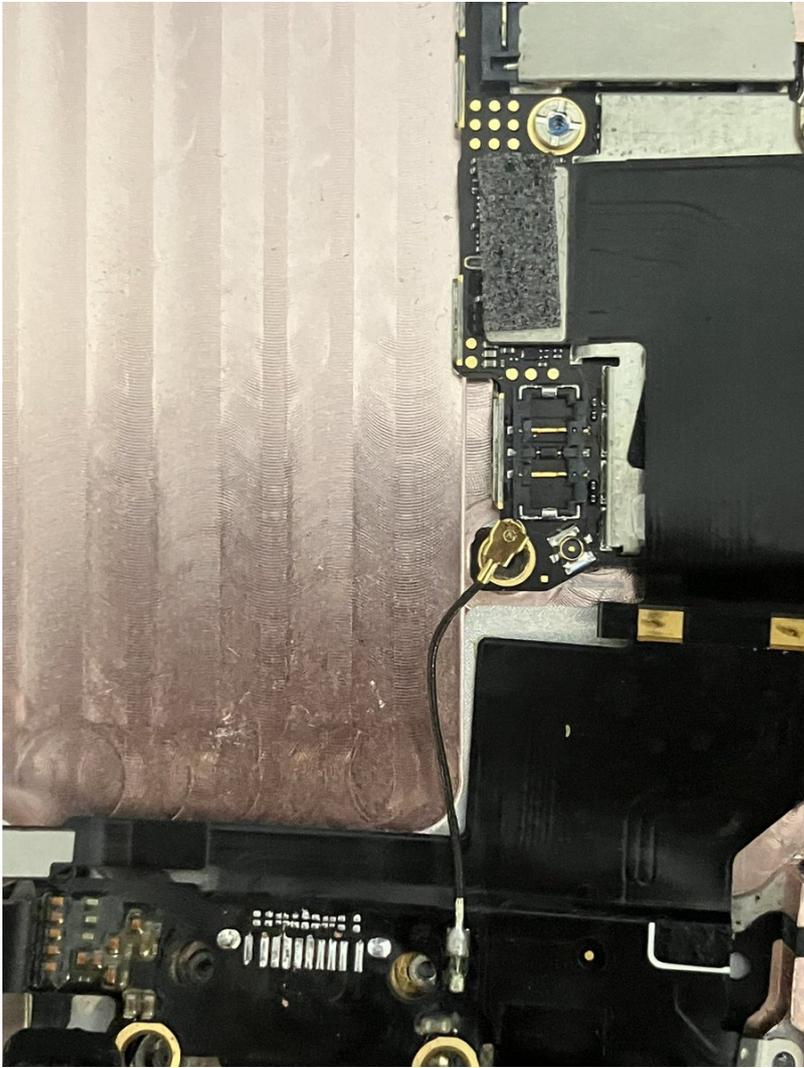
<https://t.co/GUyRJQIIXx>



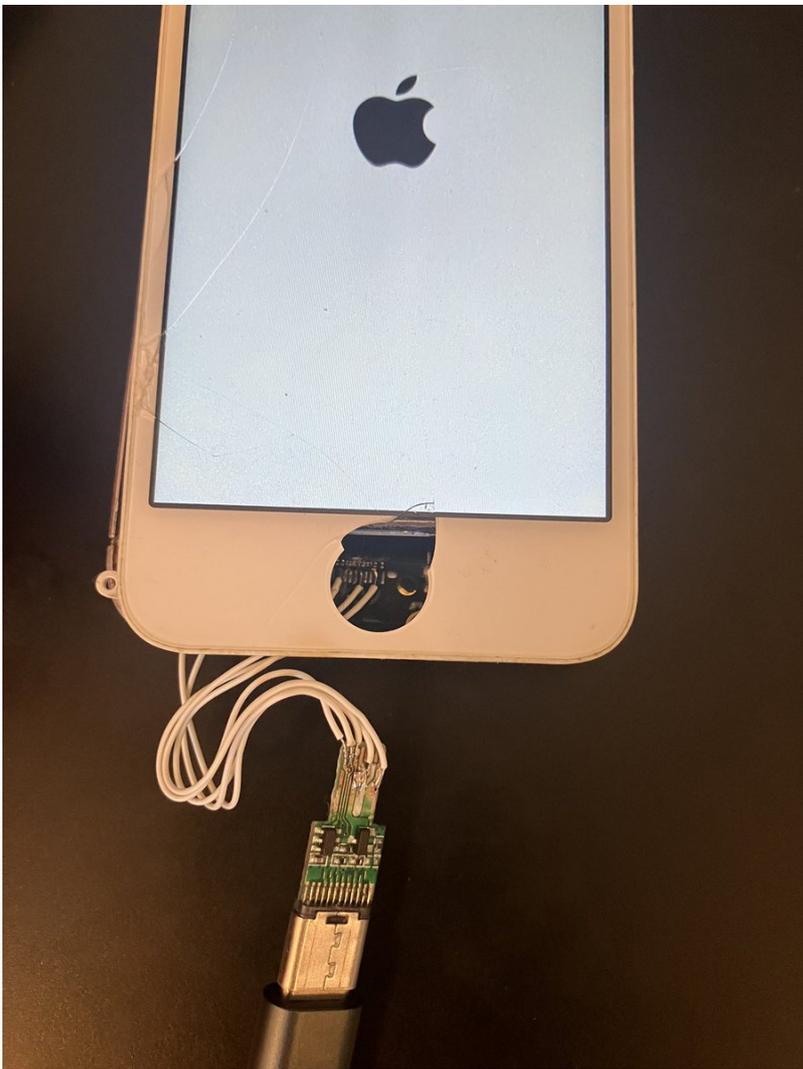
So I desoldered the lightning port from the iphone (lower left), and then wondered if the group of 9 test pads on the motherboard correspond to the lightning pins - they do!

I also knocked off a bunch of what I hope are ESD protection components - we'll survive without them.

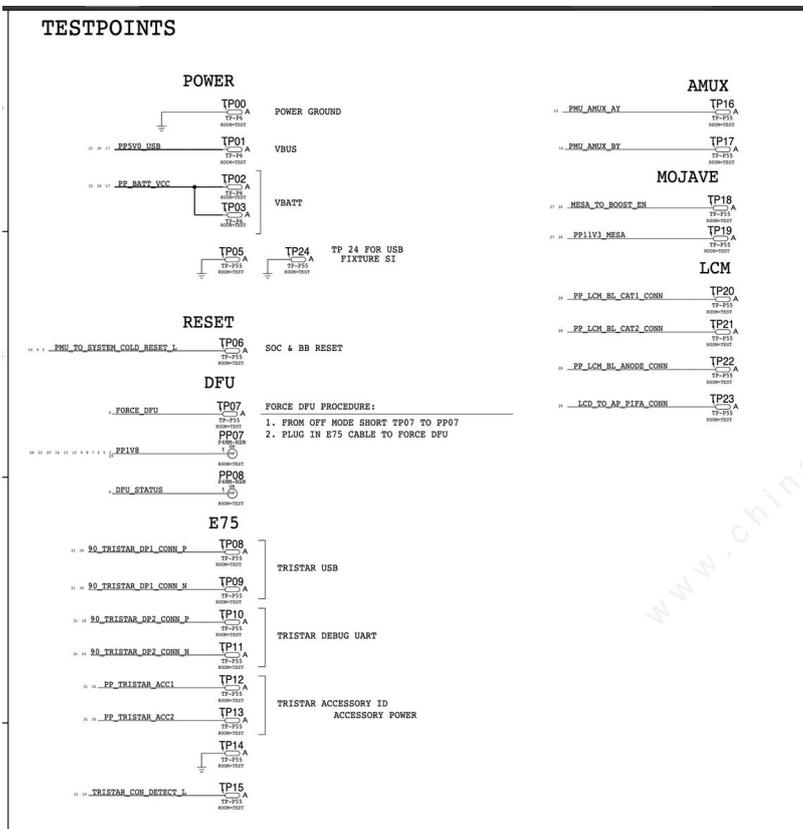
<https://t.co/oDmZEMQX0s>



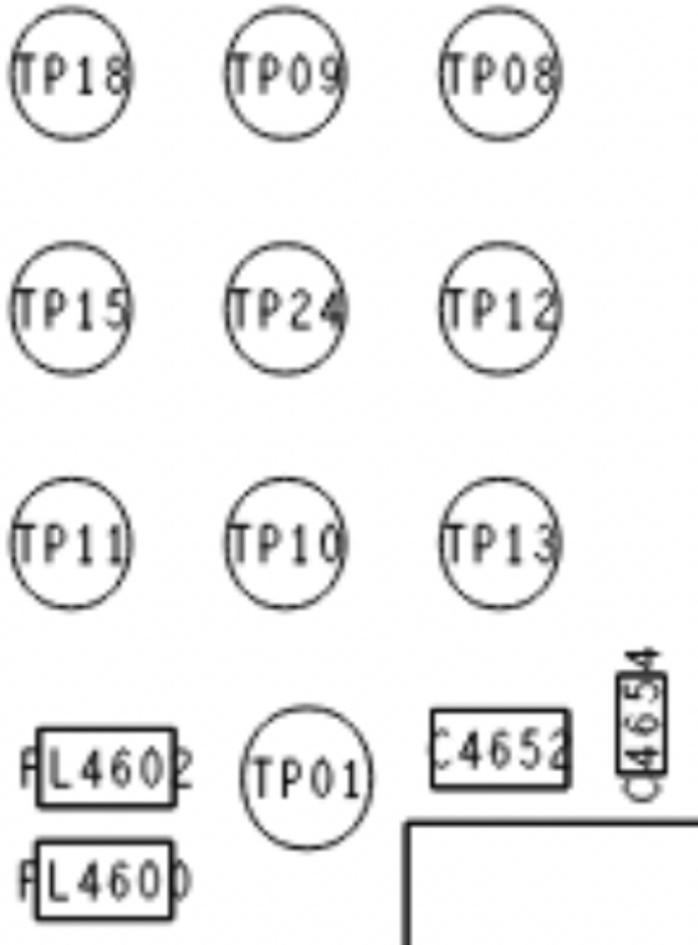
welp, it's not working. It charges the phone from empty/off, but iOS does not recognise it once it's booted. I guess I've made a mistake in my wiring... <https://t.co/i7zFSbCzSI>



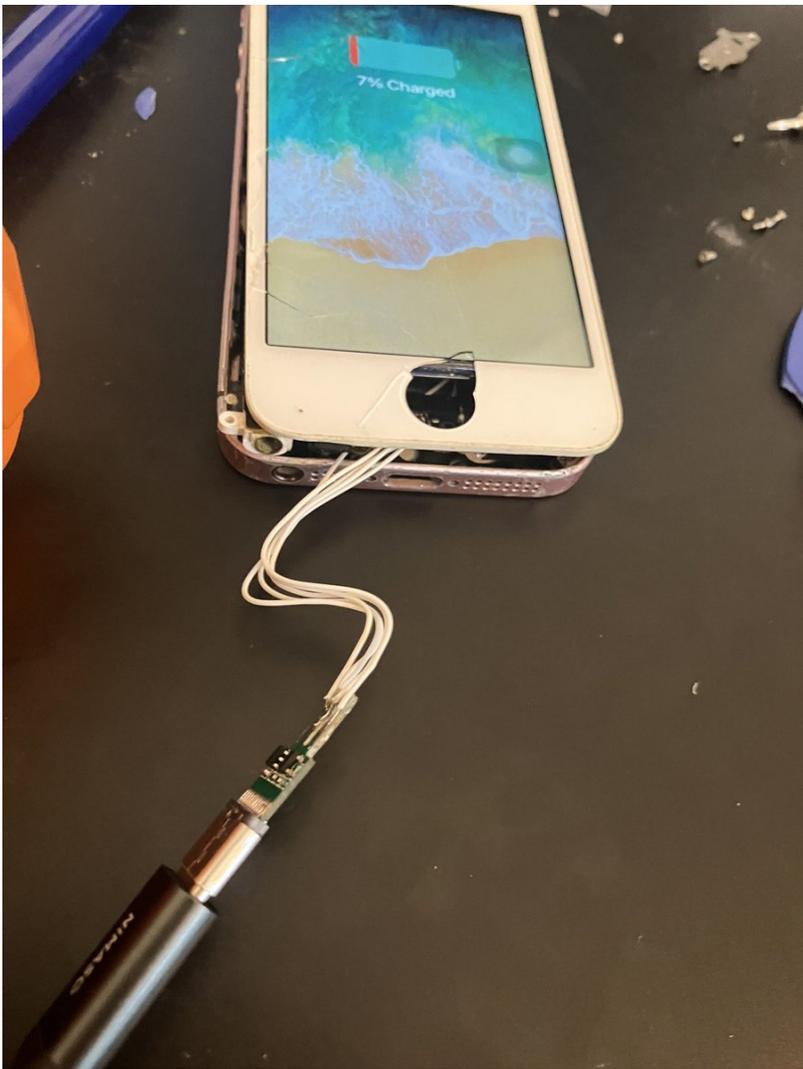
I found a schematic with the testpoints annotated: <https://t.co/ILt1r2sLoR>



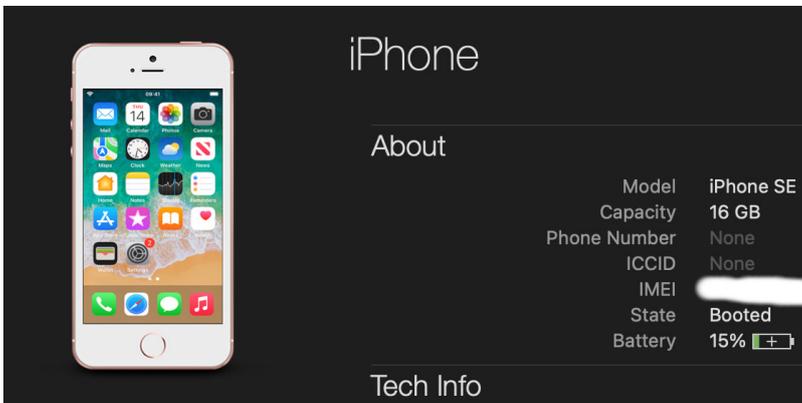
<https://t.co/B3N6qWo3Gr>



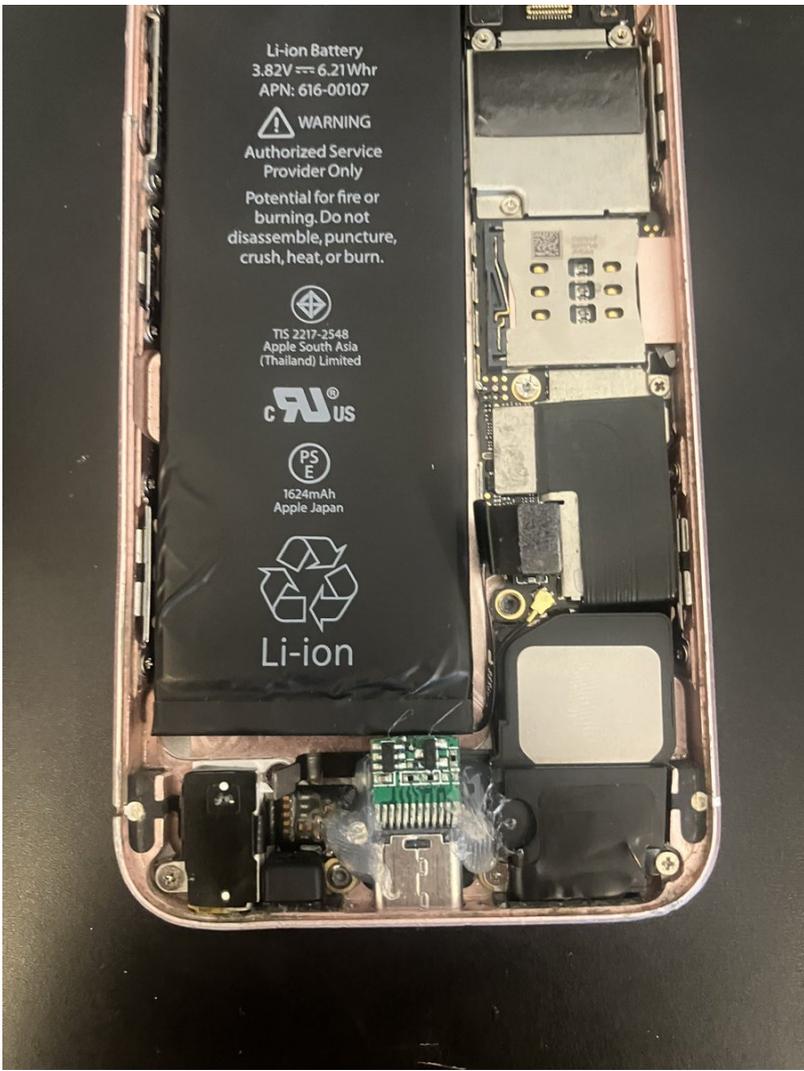
IT WORKS! Turns out I needed to connect TRISTAR_CON_DETECT_L to ground - which was an educated guess based on the schematics. Next step is to cram it all inside... <https://t.co/FBpglWEgbo>



USB data is working, too <https://t.co/UgULXuKqkv>



It fits! I'm holding it in with hot glue, seems reasonably secure. Final step is to wire it up. <https://t.co/ZT5nh9qwBH>



It still works! <https://t.co/pXXCMxlb07>

Potential for fire or burning. Do not disassemble, puncture, crush, heat, or burn.



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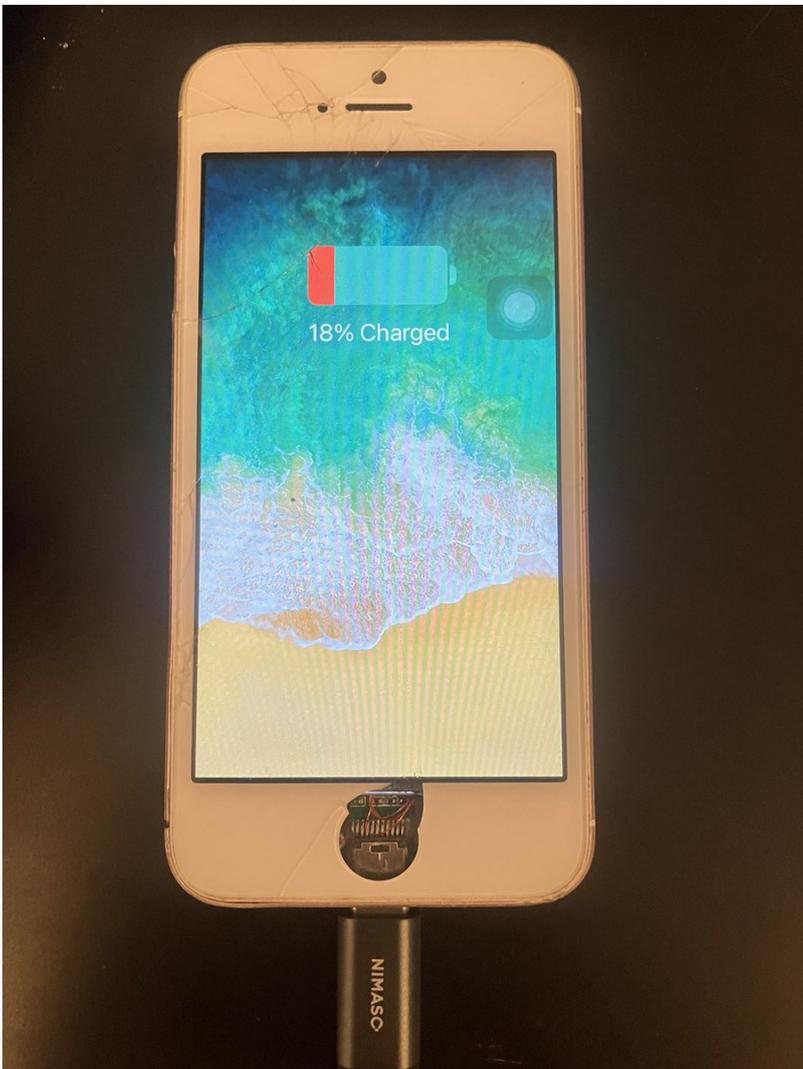


1624mAh
Apple Japan



Li-ion

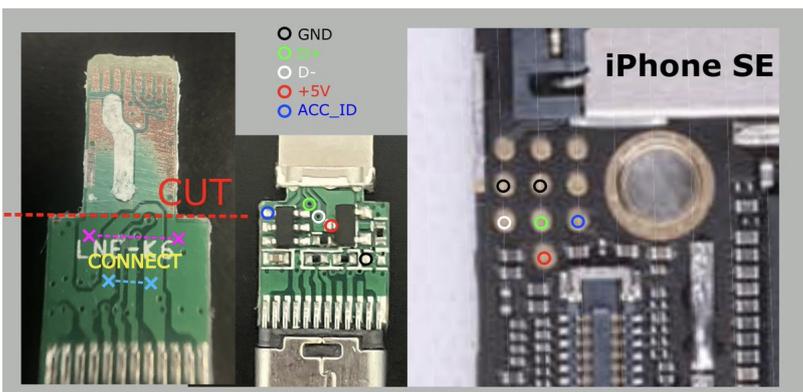




Now I just need to wait for the replacement screen and home button to arrive, so it doesn't look so terrible...
<https://t.co/oQNXMI1Pgh>



Maybe-correct wiring diagram, for anyone else who wants to try this <https://t.co/5l7gtF1V5C>



Minor correction, the pin labeled ACC_ID would be more correctly labeled IDBUS