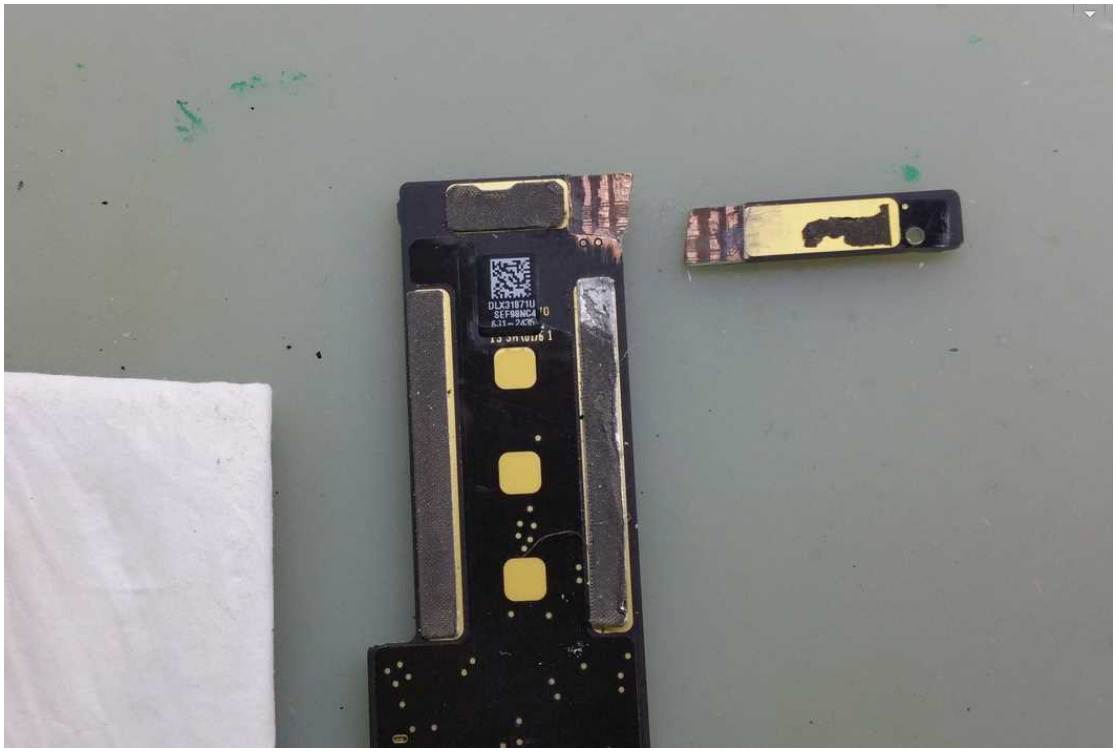
Ipad mini break repair

[Fault phenomenon]

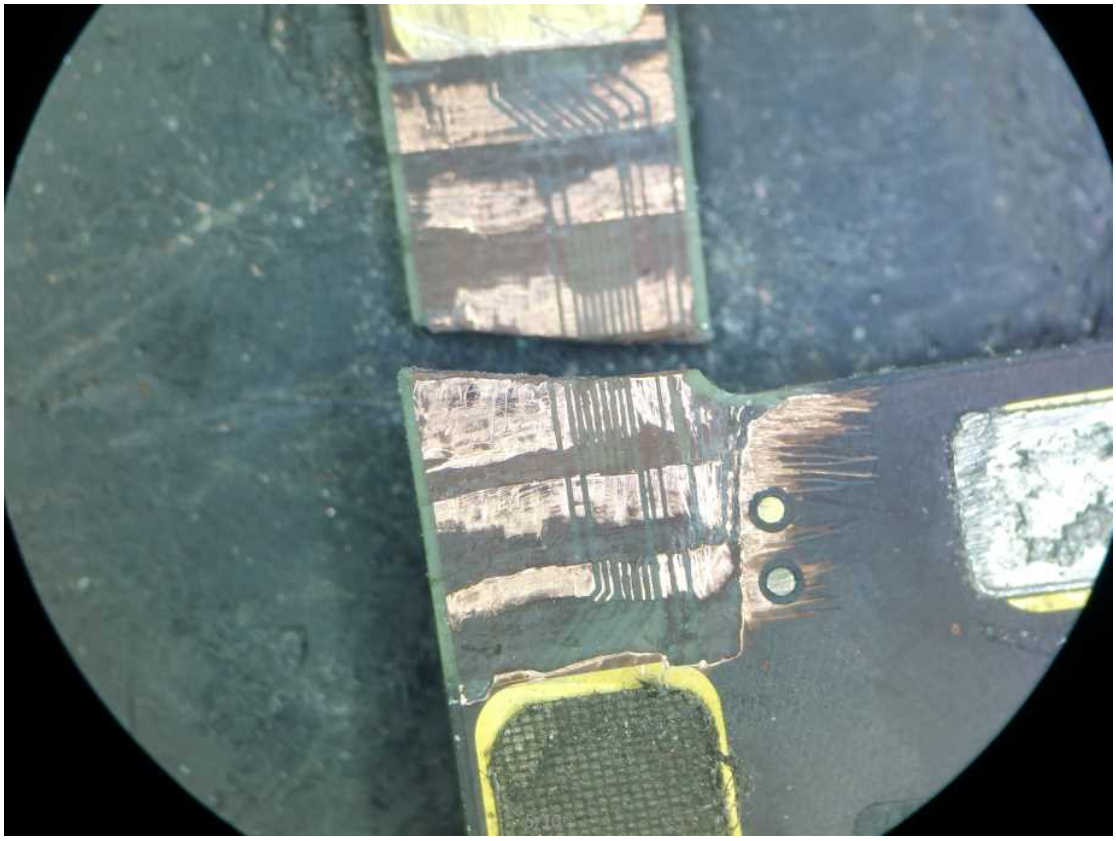
The ipad mini front camera and headphone plug connector head were cut off.

[Maintenance process]

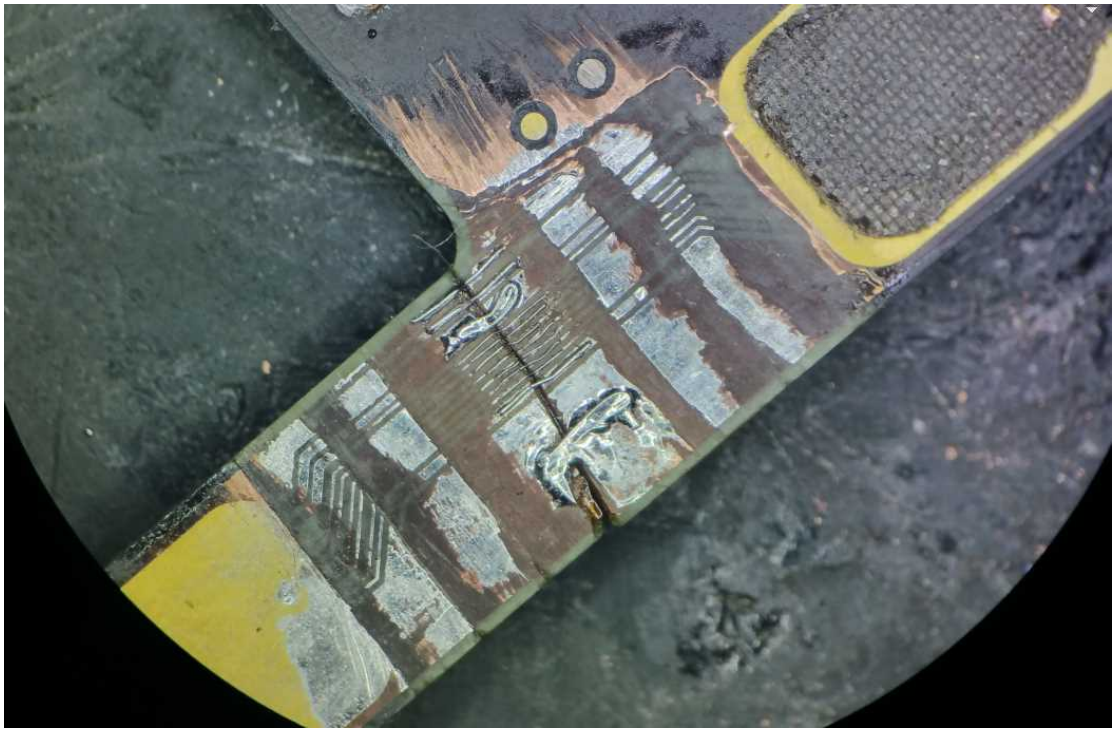
The broken head can be repaired by scraping the PCB layer one by one. The following is the scraped PCB layer. The IPAD MINI main board should be scraped off from the back because the front three layers are all GND.



After the ipad mini is scraped open, only three layers have data lines, and the other layers are all ground. It is easier to repair, and the position is neatly arranged after scraping.



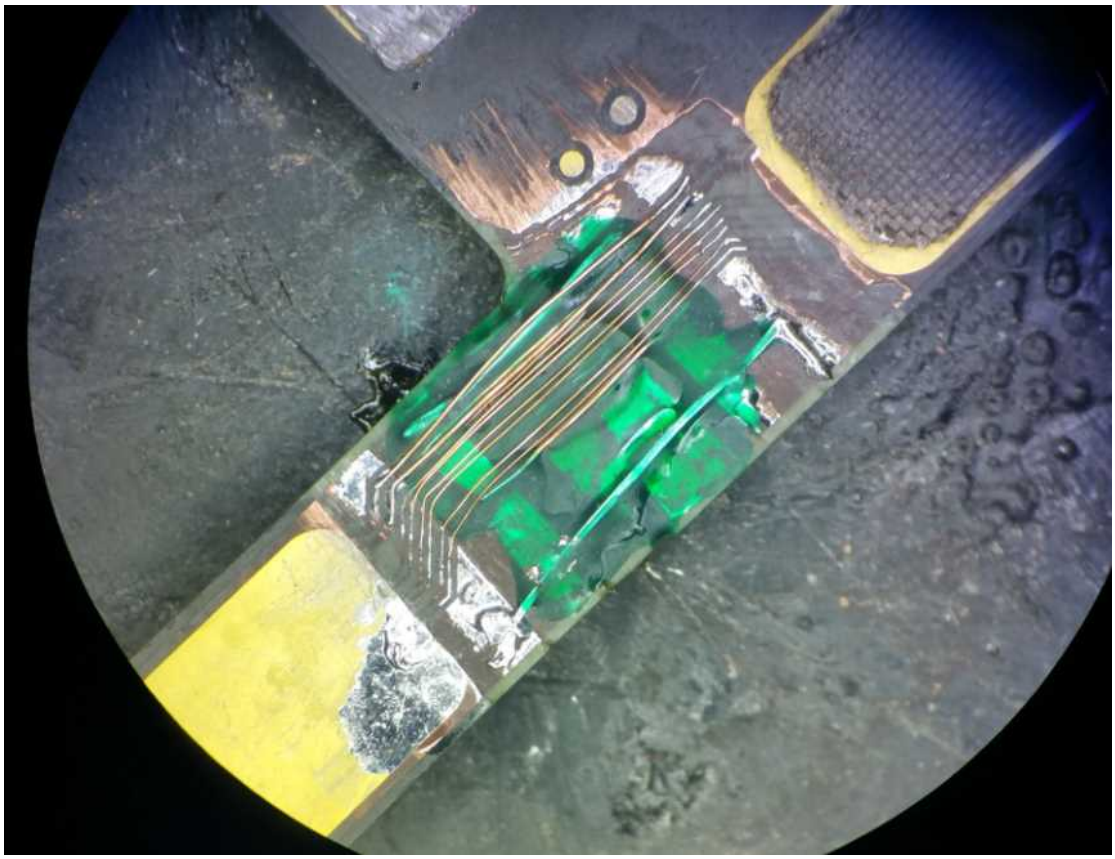
If it is easy to shift, you can first scrape the front subway to a certain Add tin and weld fixed, first fill the middle layer, GND with a thicker wire welding, mainly to fix the PCB layer.



After the middle is replenished, it is coated with insulated paint（green oil） to cure, and then the second layer is added. GND is still reinforced with a thick wire connection. After the repair, the insulated paint（green oil） is continuously cured.



After the insulated paint（green oil） is cured, the top layer is added. After the whole layer is repaired, the whole layer is coated with insulated paint（green oil） to cure.

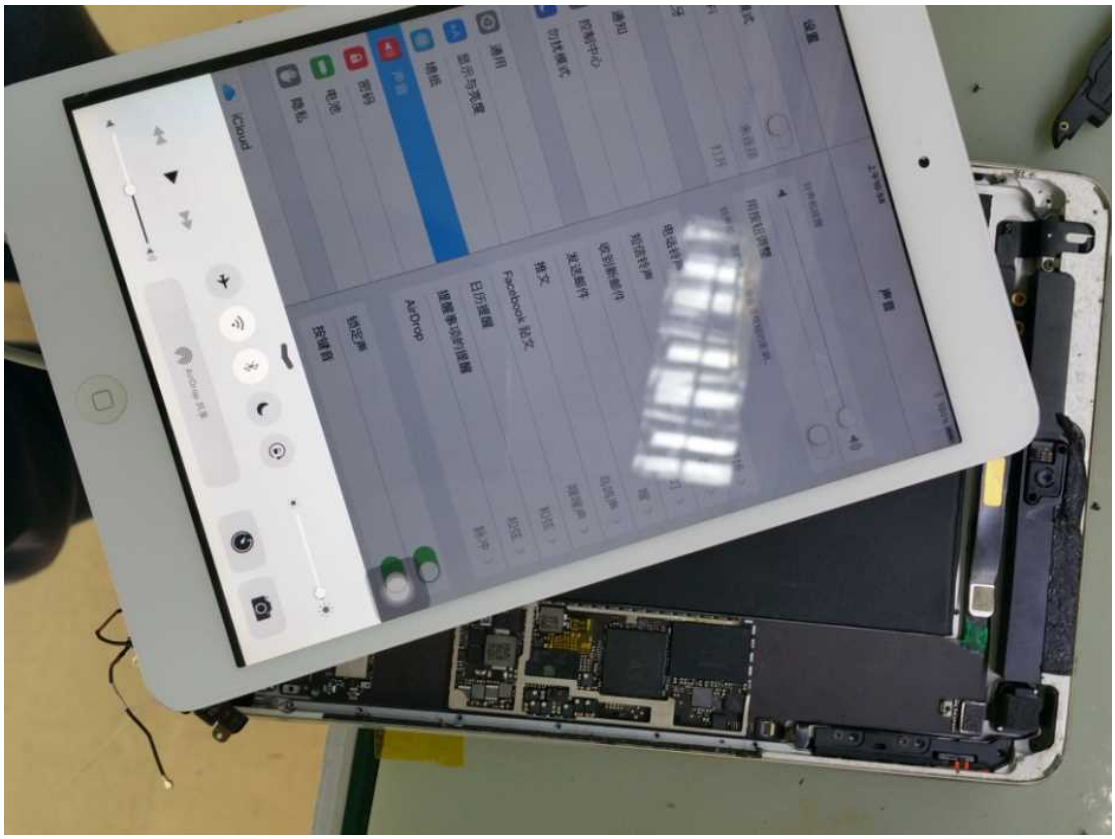


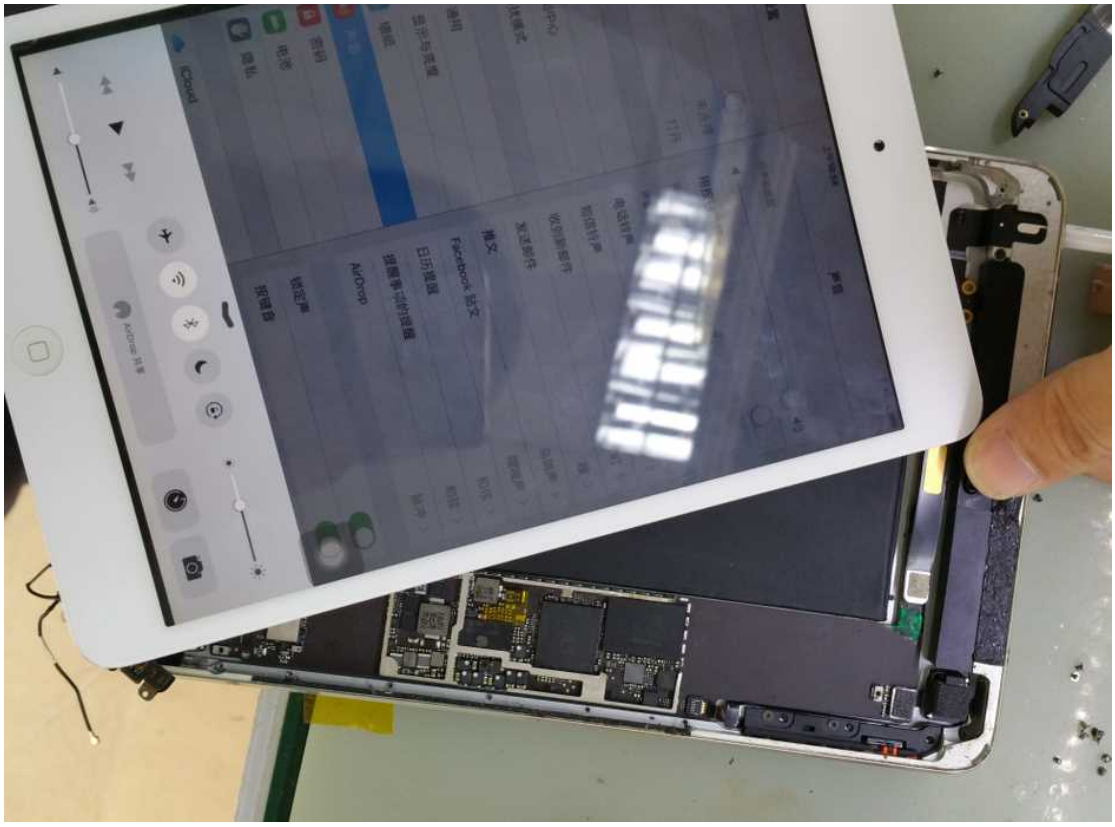
If the repair circuit line is not an insulated wire, it should be noted that each wire cannot be touched together. I use an enameled wire and the outer layer is insulated, so it doesn't matter if it touches it together.

After the patch is completed, the front camera is tested normally.



The test is normal.





The headset test is also normal and fixes this fault.