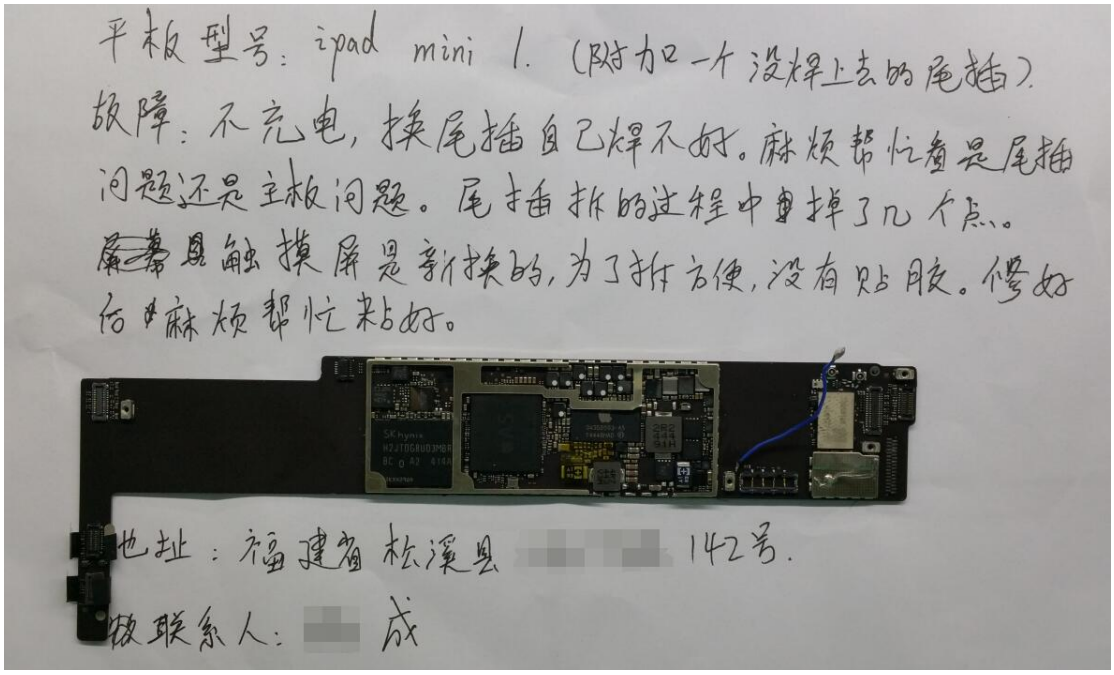
[Fault phenomenon]

Take a repair customer ipad mini specific fault description as shown in the figure,



[Maintenance process]

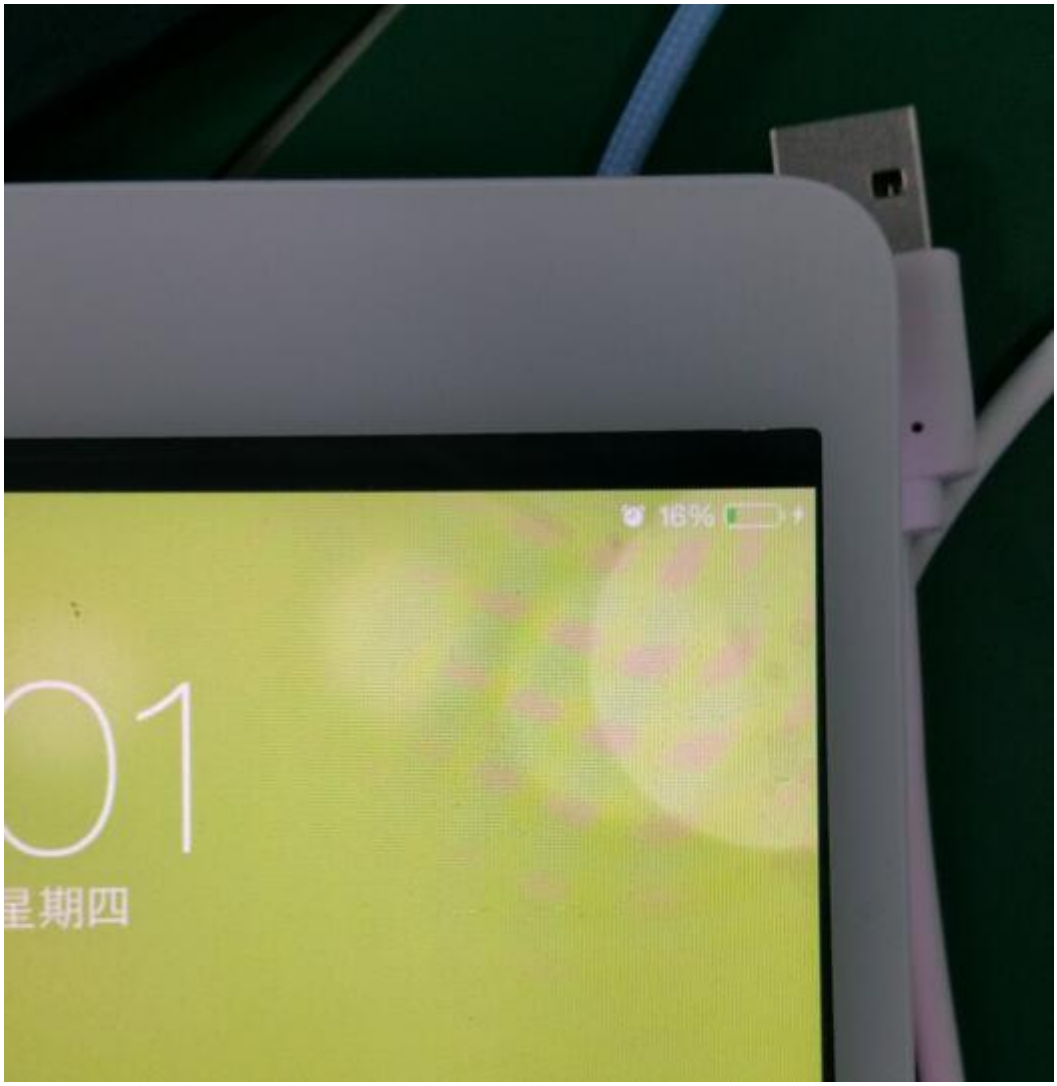
The customer repairs the broken charging connector cable.



After processing the solder pad, re-solder the good charging connector cable.



After the power-on test, the data cable can be connected and charged normally after the data line is inserted. It is initially determined that the charging connector has no problem and continues to test other functions.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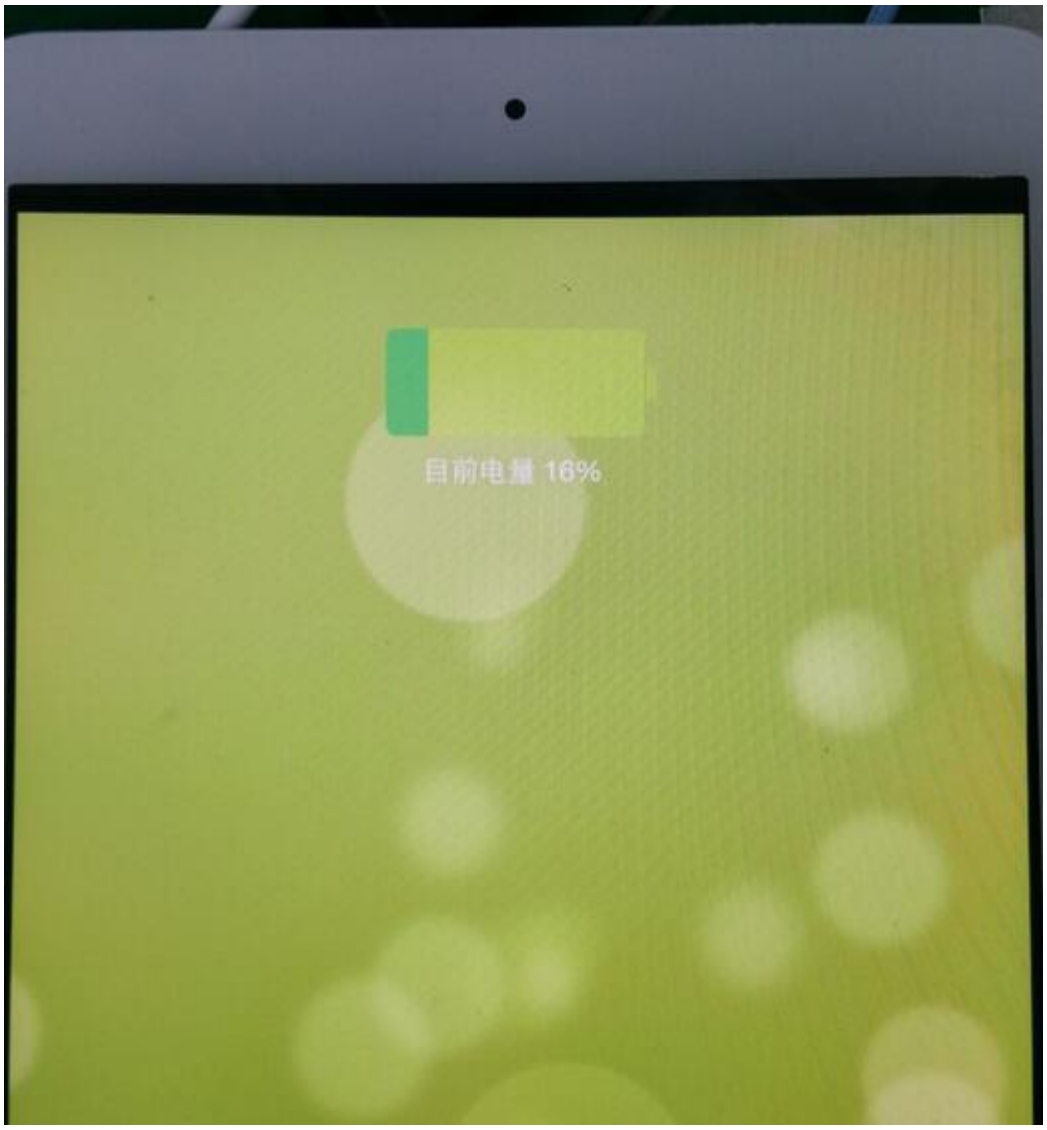
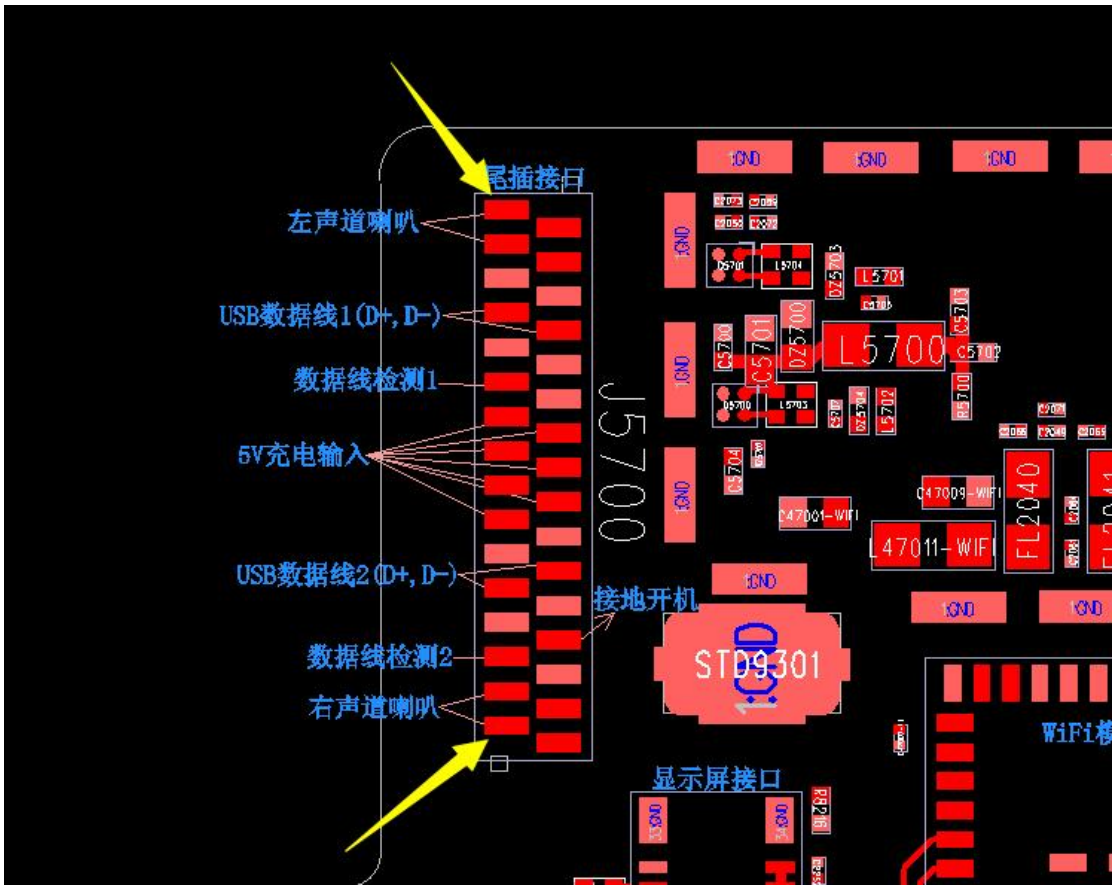
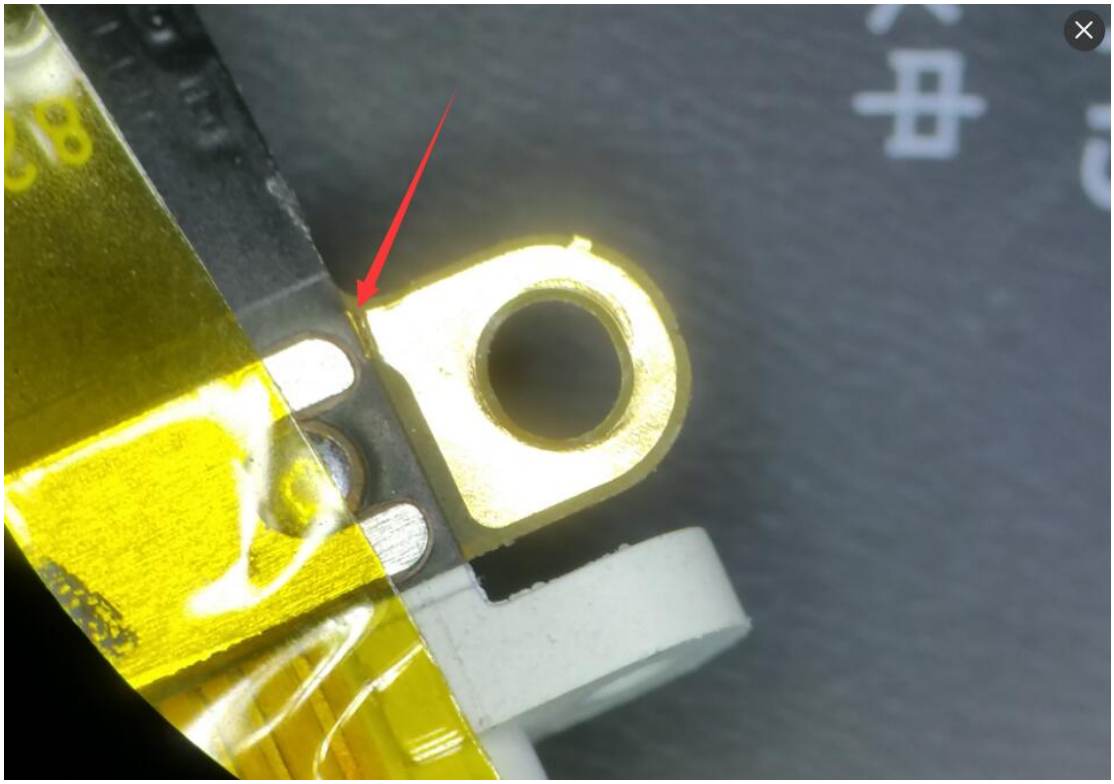


The customer's IPAD is unable to enter the system with a lock screen password, call the customer, and enter the system after going to the lock screen password.When testing each function, there was no sound from the left speaker.Use a multimeter to measure the ground value of the charging connector left and right speakers.



Charging connector has no problem, then it may be a problem with the speaker, because the machine has been in the water before, the speaker has been moldy, so I found a new speaker to replace it, but after the replacement, the left speaker also has no sound, put the speaker to other The test on the machine is normal, indicating that there is no problem with the speaker.

When the charging connector interface is removed and the ground value of the speaker cable contact is measured, it is found that there is no value in the face.Under the microscope, it was found that the contact and the wire were disconnected.



After the repair circuit line is soldered, the fault is repaired.