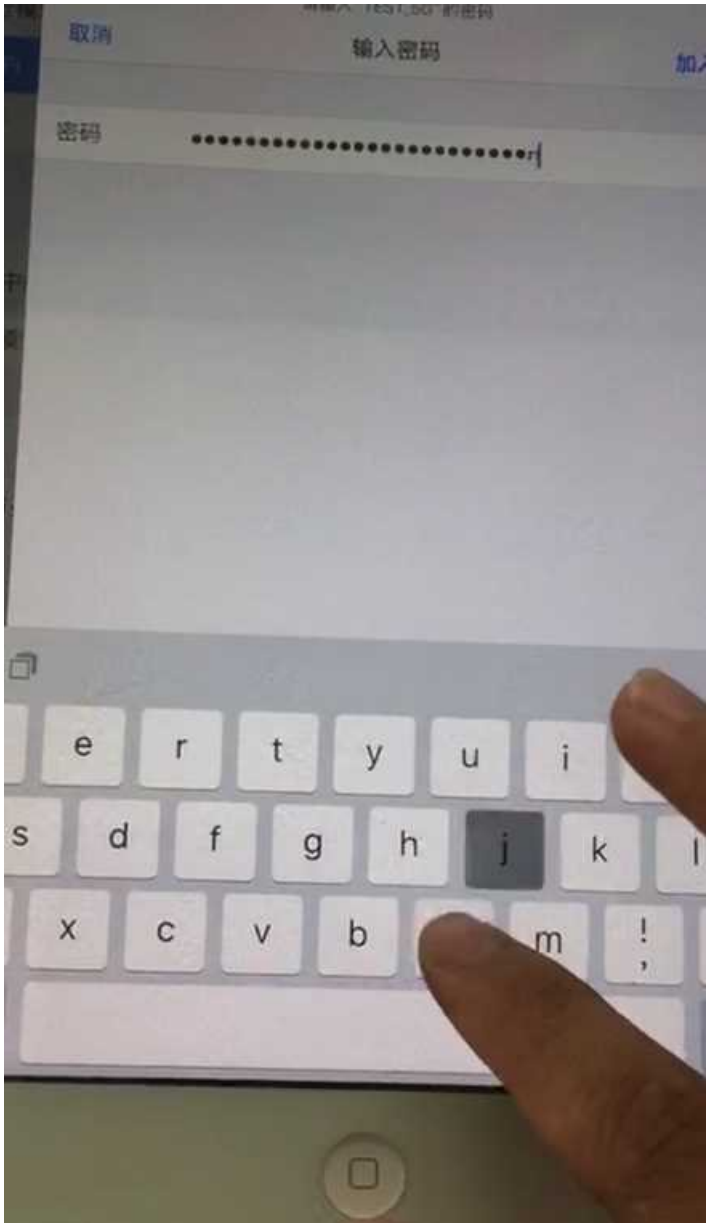
Ipad4 touch failure repair

Fault model: ipad 4

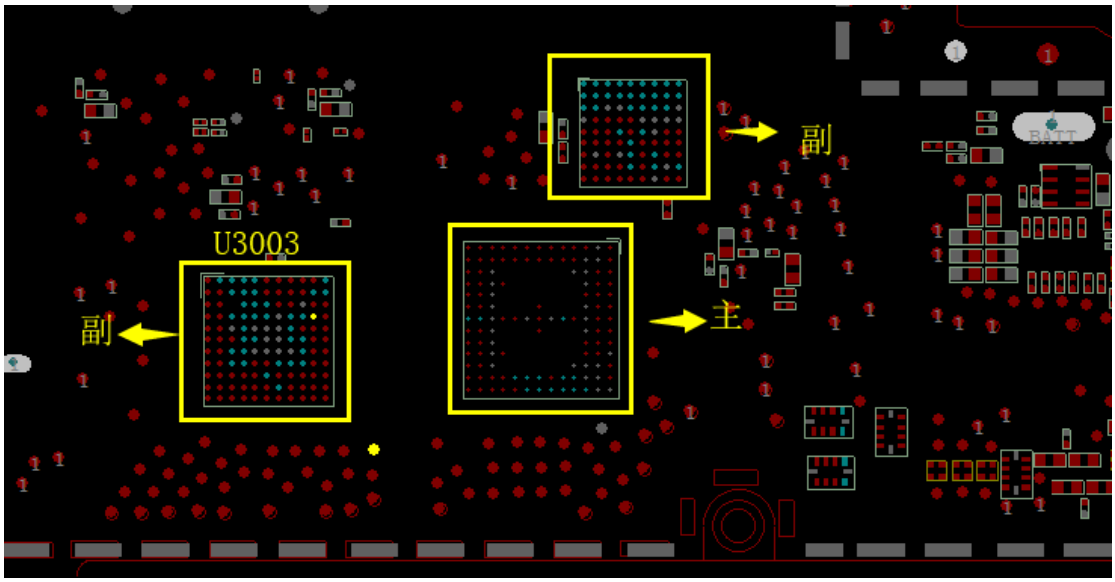
Symptom: Touch the keyboard without the keyboard and jump.



Fault Analysis: Most of these faults are caused by Screen Outer Layer Glass, which is a touch screen problem.

Maintenance process: first change the Screen Outer Layer Glass to eliminate the external distribution problem, change the system test failure

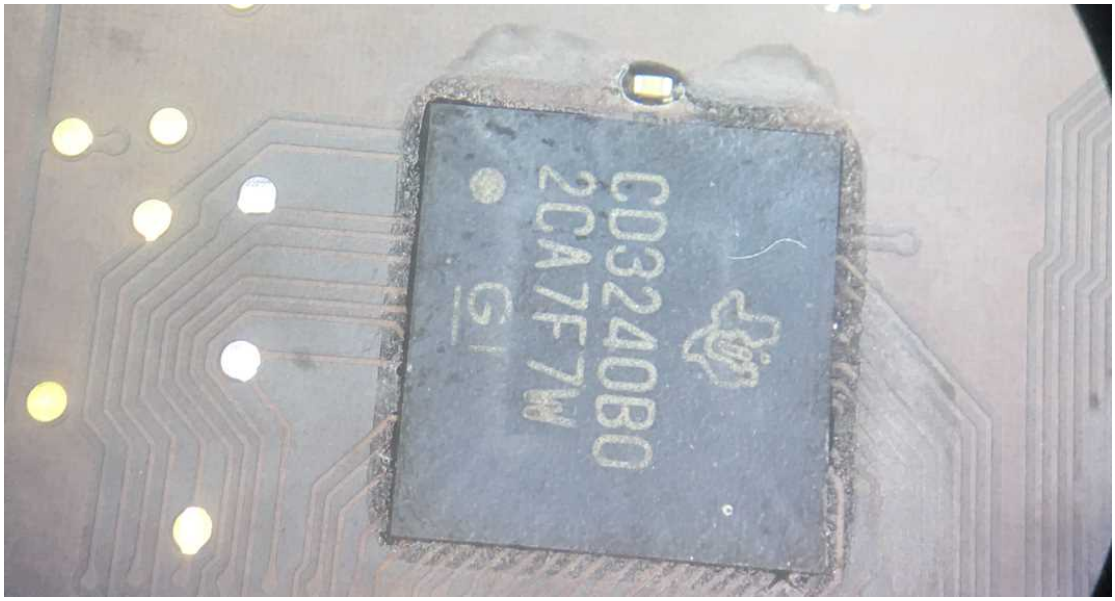
still.Excluding the external distribution problem is the motherboard problem.The touch circuit of IPAD4 has a touch chip similar to the 6th generation touch circuit. The open circuit diagram shows that the IPAD4 has two sub touches and one main touch chip.First measure the diode value that touches the connector to the secondary touch chip.



The measurement is normal, in the measurement of the main and sub touch chip VCC PP18V_GRAPE

PP3V0_GRAPE_MARIO1 is normal.Careful inspection of the motherboard found that the NAND moved, and below the NAND is

the U3003 sub touch, suspected chip Void welding.



Repair results: After the Reballing is finished, the startup test is repaired and the repair is over.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