iPad6no touch function repair

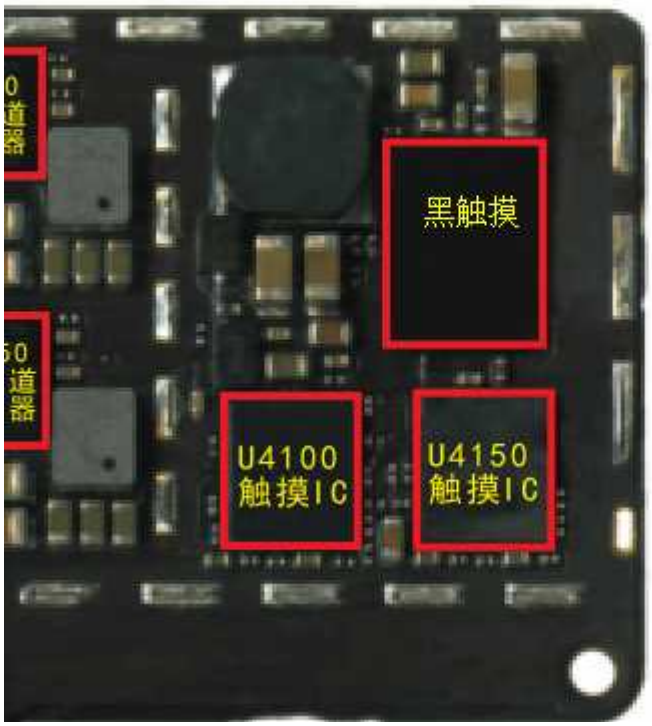
[Faulty model] (iPad Air2 64GB)

[Fault phenomenon] Touch no response after booting

[Fault Analysis]

Priority check screen and other external issues, the screen is still no touch function, judged to be the motherboard problem

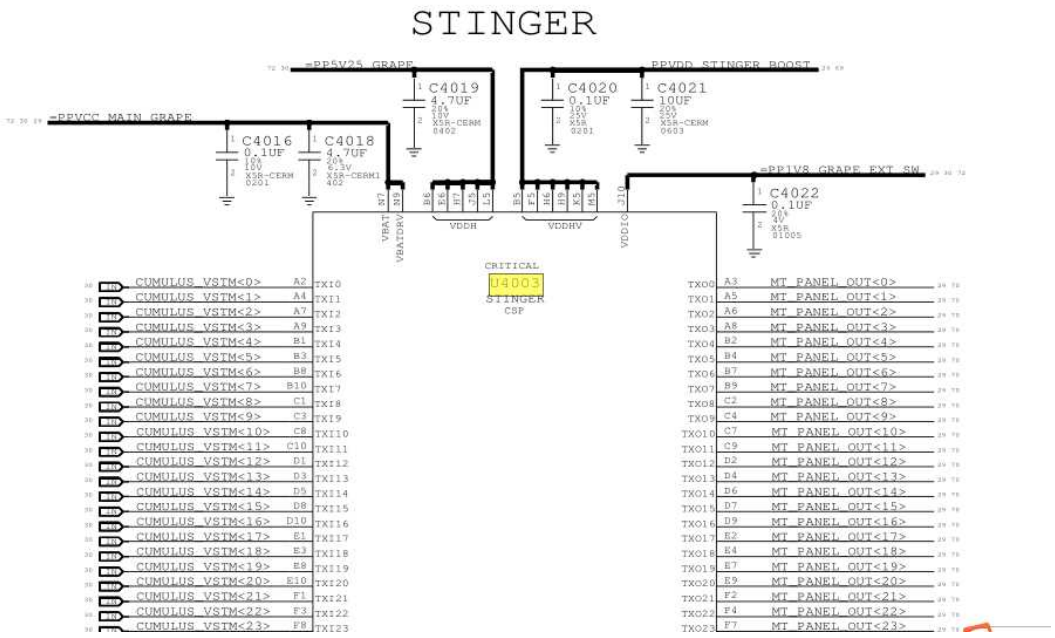
First look at the touch circuit



The core of the iPad6 touch circuit consists of two white touch Chip s and one Black Touch Chip.

First we can measure the working conditions of the touch ic first.

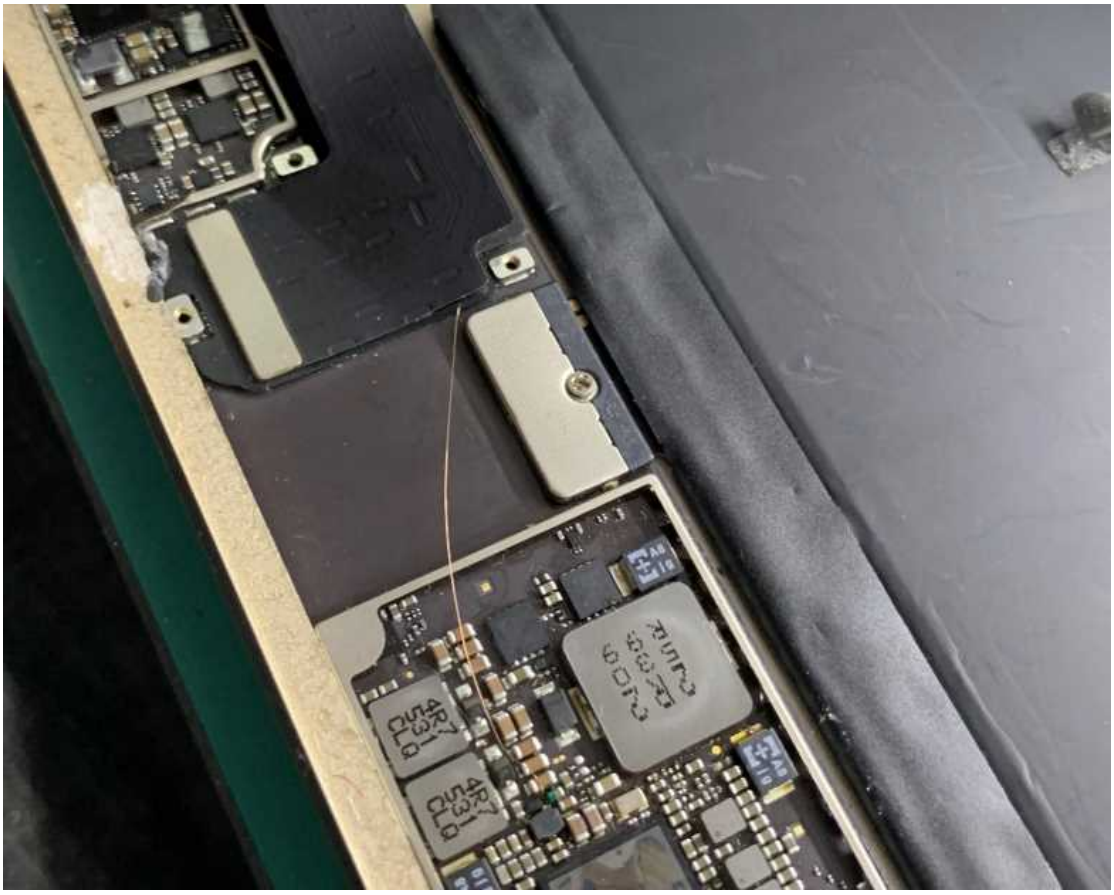
[Maintenance process]



There is no 5.25VVCC on the Black Touch Chip side.And this 5.25VVCC is provided by the main power supply.The main power supply is troublesome to replace, and the cost is not low. VCC, you can borrow it, the key is to find out who to borrow.In order to do the experiment, I first borrowed the main VCC PP_VCC_MAN.After borrowing, the touch can be used, but the touch is intermittent, and the measurement PP_VCC_MAN is only 4.44V.It still seems that the requirements of the Black

Touch Chip cannot be met.Then we are looking for it.

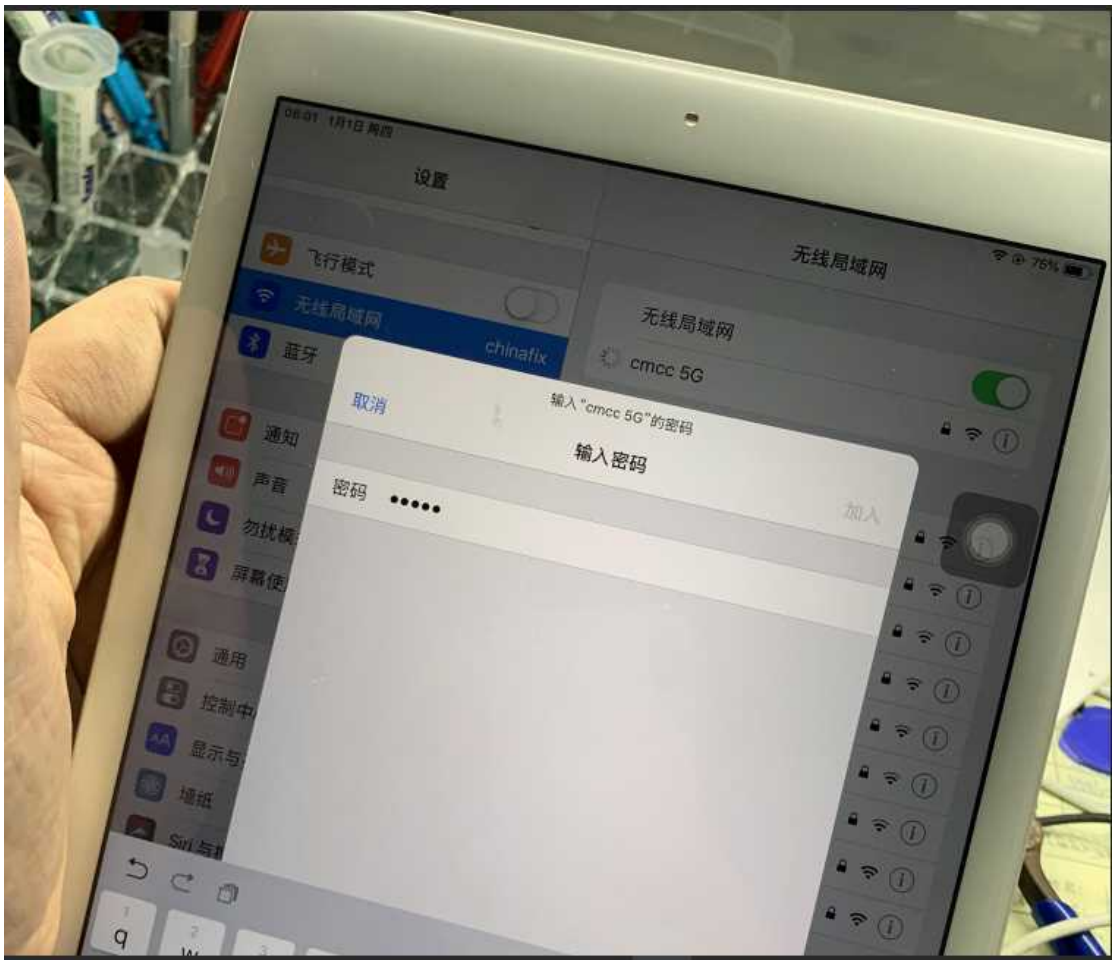
At this time we found a PP6V0_LCM_VBOOST, which is 6VVCC, slightly higher than the 5.25V requirement.



This picture flies a bit far, with a 5.25v capacitor on the side.

[Maintenance results]

Installed test



Touching everything is normal.