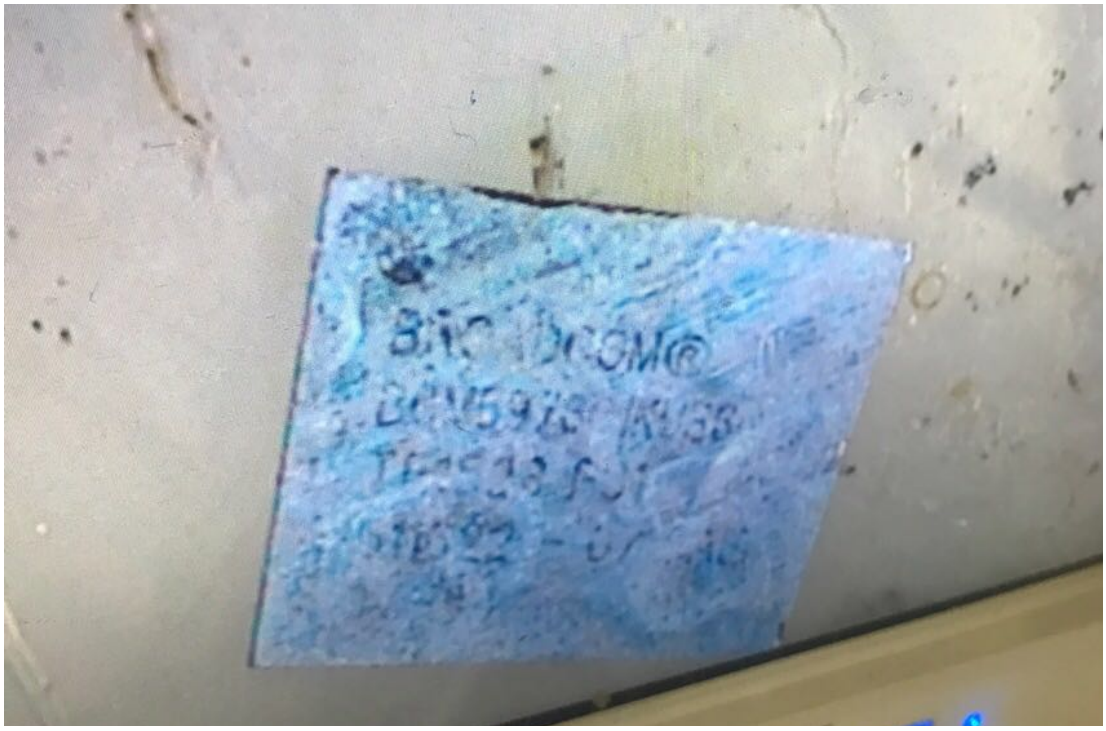
Three repair IPAD AIR 2no touch function

The peers sent repair descriptions, starting with small water and partial touch failure.After the drums and drums, I completely no touch function, so I sent it to a certain village in Beijing to repair it.Not fixed.

Pick-up inspection, visual inspection of the two white touch Chip are all severely damaged.The Black Touch Chip has also changed.The boost diode, the Inductor, has also been replaced.The touch screen connector is fully deformed.



The white touch Chip above is the least damaged.

So replace the two white touch Chip white touch Chip and Apple 6 universal, with a try to install the machine to try, the fault is still, I think it is not that simple.

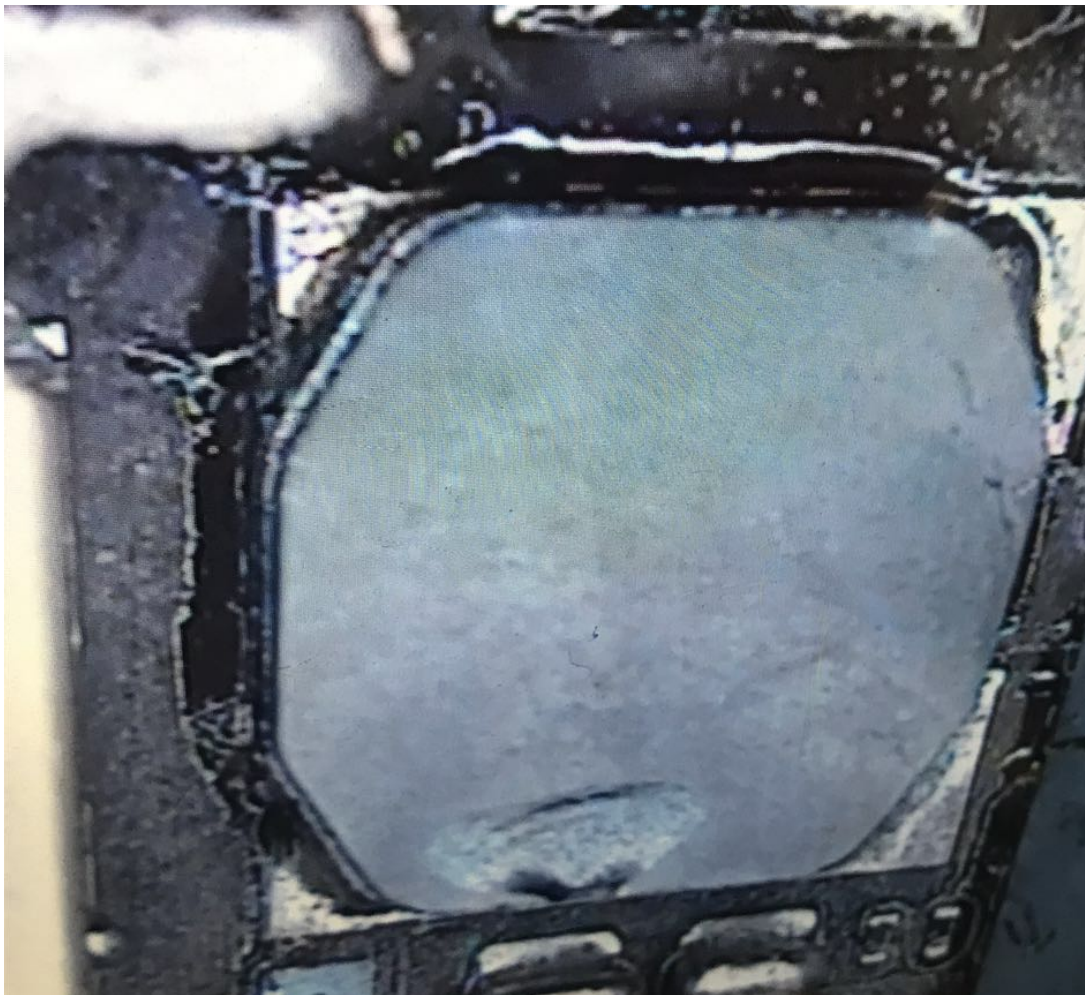
Or go back and do it honestly.Many of the machines in this machine know that the AIR2 Black Touch Chip is the common failing.

So began to test whether the Black Touch Chip has a boost.



The voltage measured on the C4014 is only 2.3V. If it is not boosted, there should be a main VCC here.

Going back to test Inductor L4001 found that the voltage before and after Inductor is different.Remove the Inductor test and the Inductor is blown.



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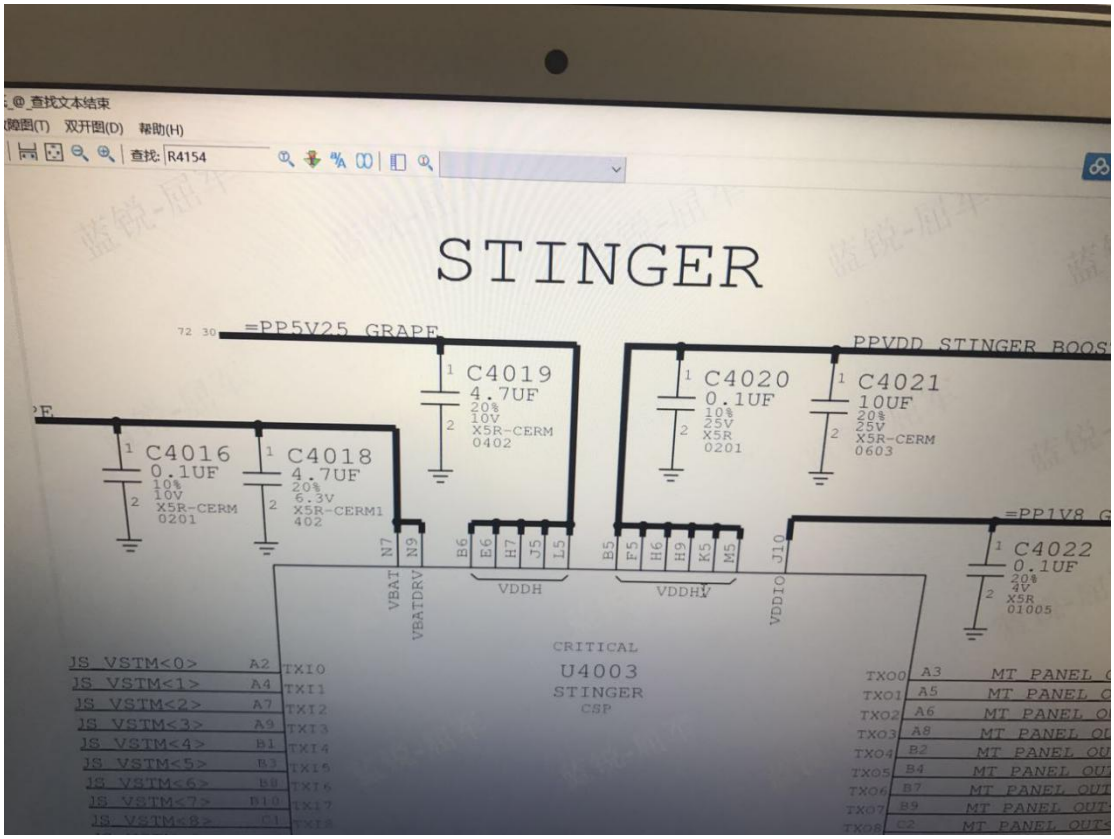
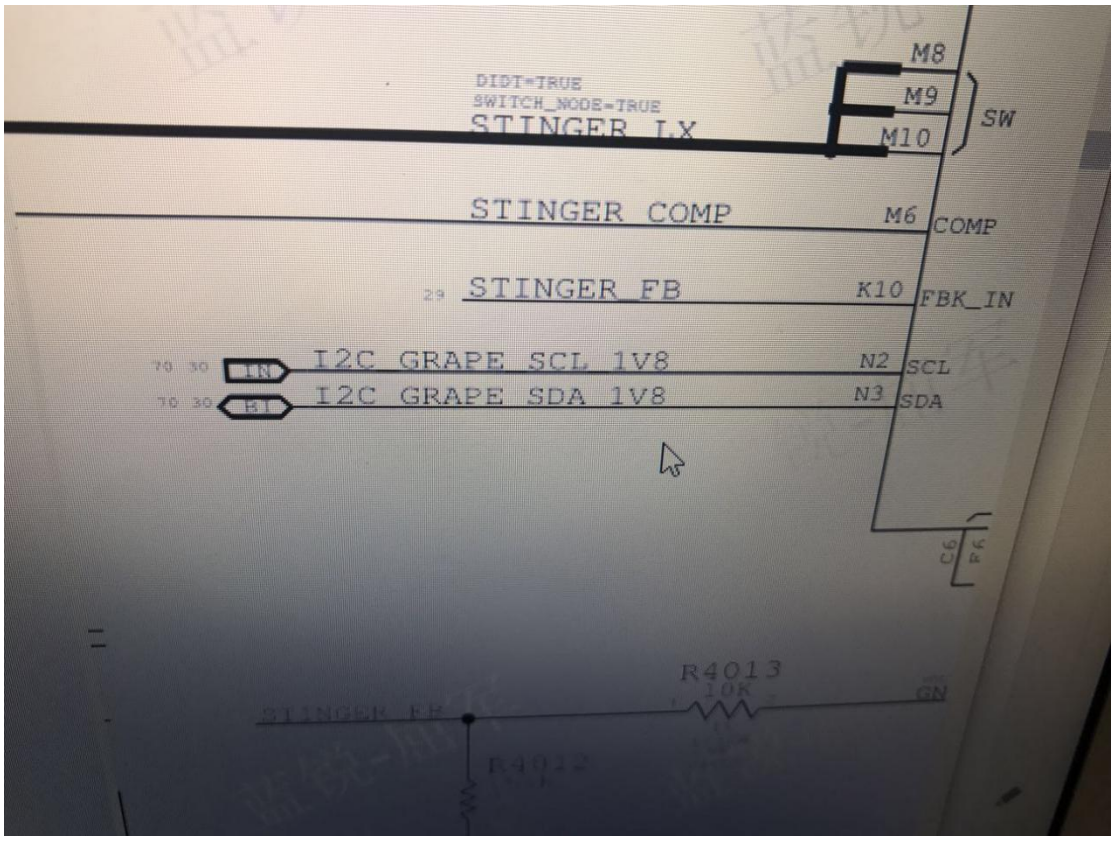
Replace the Inductor L4001.By the way, the diode D4001 was checked for damage.Try the machine again.Found that there is still no boost.The boost of this place does not have a screen and it also has a boost.

The three major parts of the boost are now checked by the Inductor diode. Only the Black Touch Chip itself does not work and does not boost.

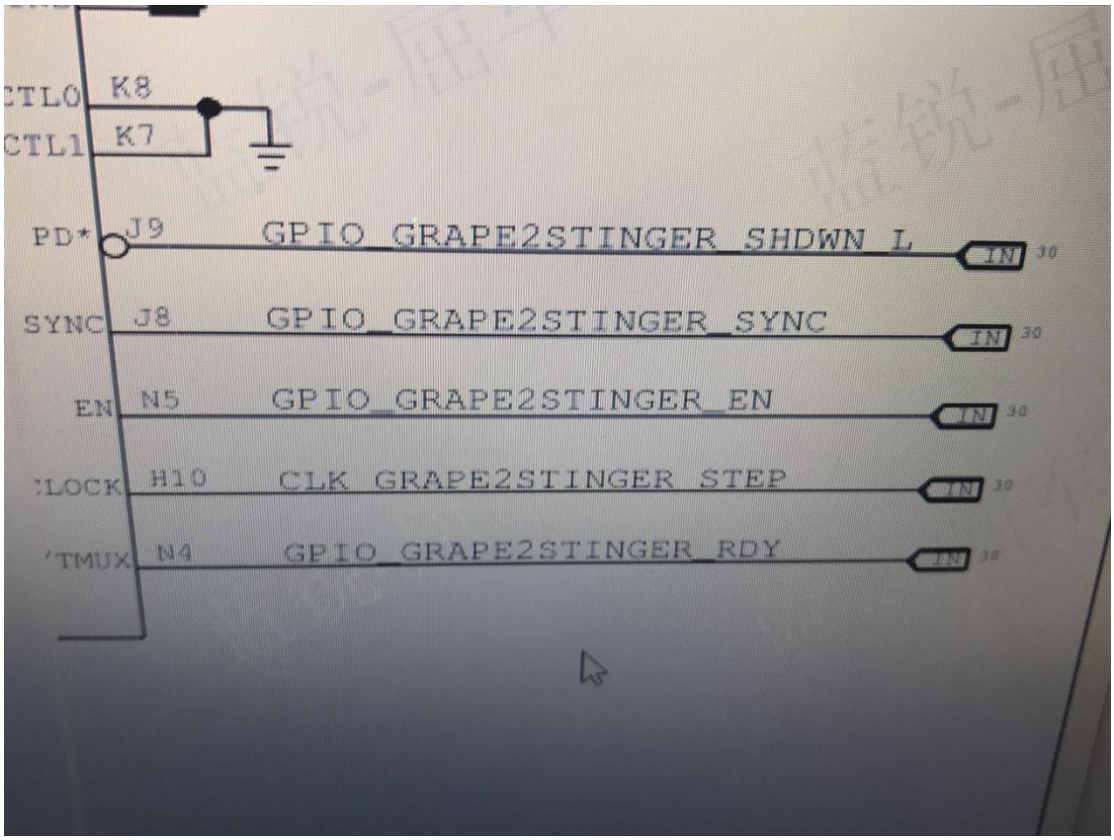
I have changed the Black Touch Chip in the same trade. I can only look at the Black Touch Chip first.After replacing the Black Touch Chip, it still does not boost.It seems that you can only see the working conditions of the Black Touch Chip and open the original factory map.



The Black Touch Chip's VCC has both 5.25V and 1.8V.



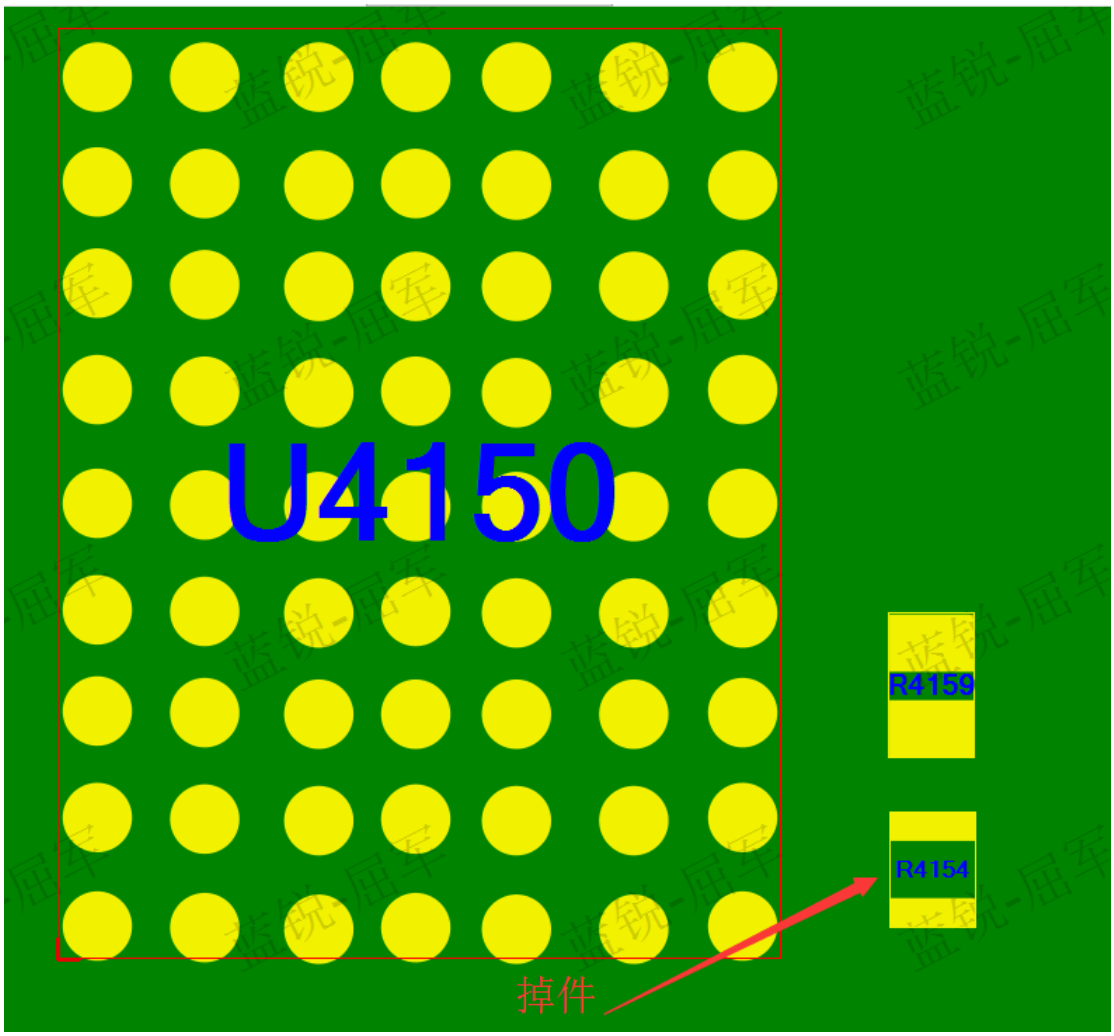
I2C total red VCC normal



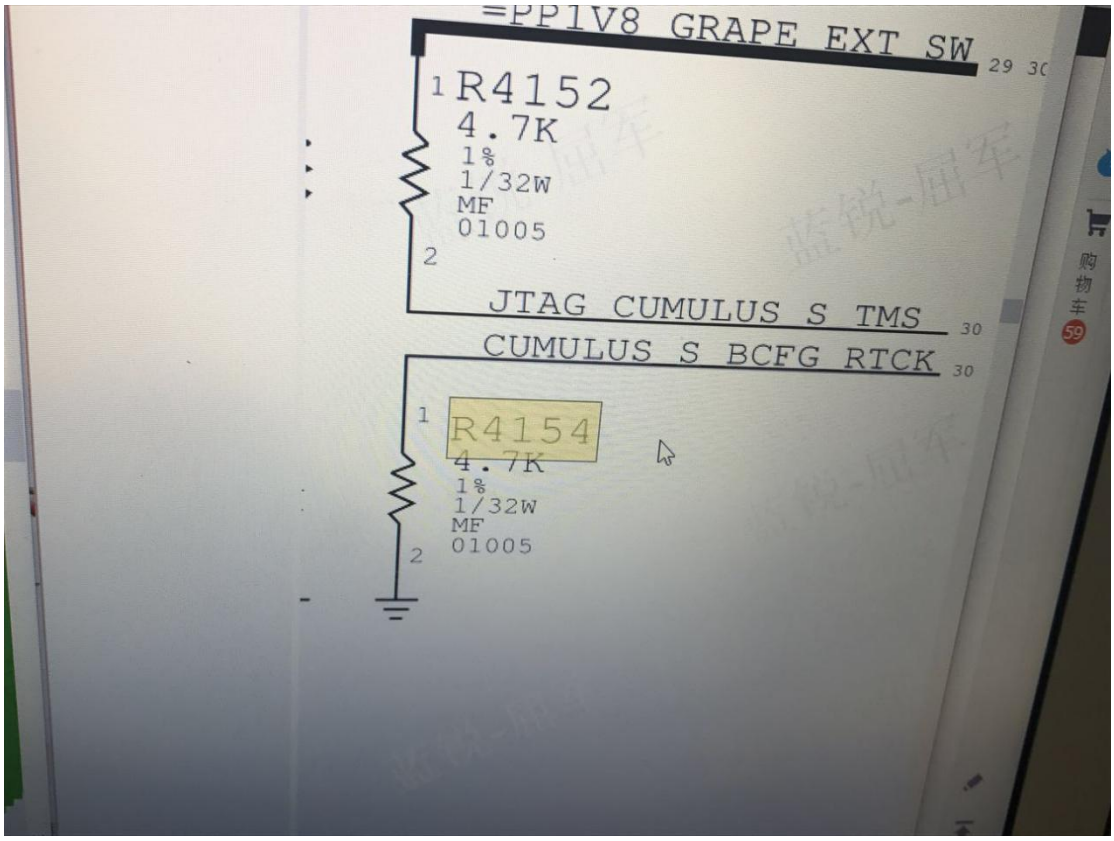
Found that the EN signal of Black Touch Chip is from white touch Chip U4150

Is there a problem with the white touch Chip that I changed? I am still quite confident about my manual.Did not first replace the U4150, first check the vicinity of U410.Found that the problem

white touch Chip on the side of something (first declared that I did not get rid of), solder pad flat, there is oxidation should not be the original factory does not know what it is, look at the drawings.



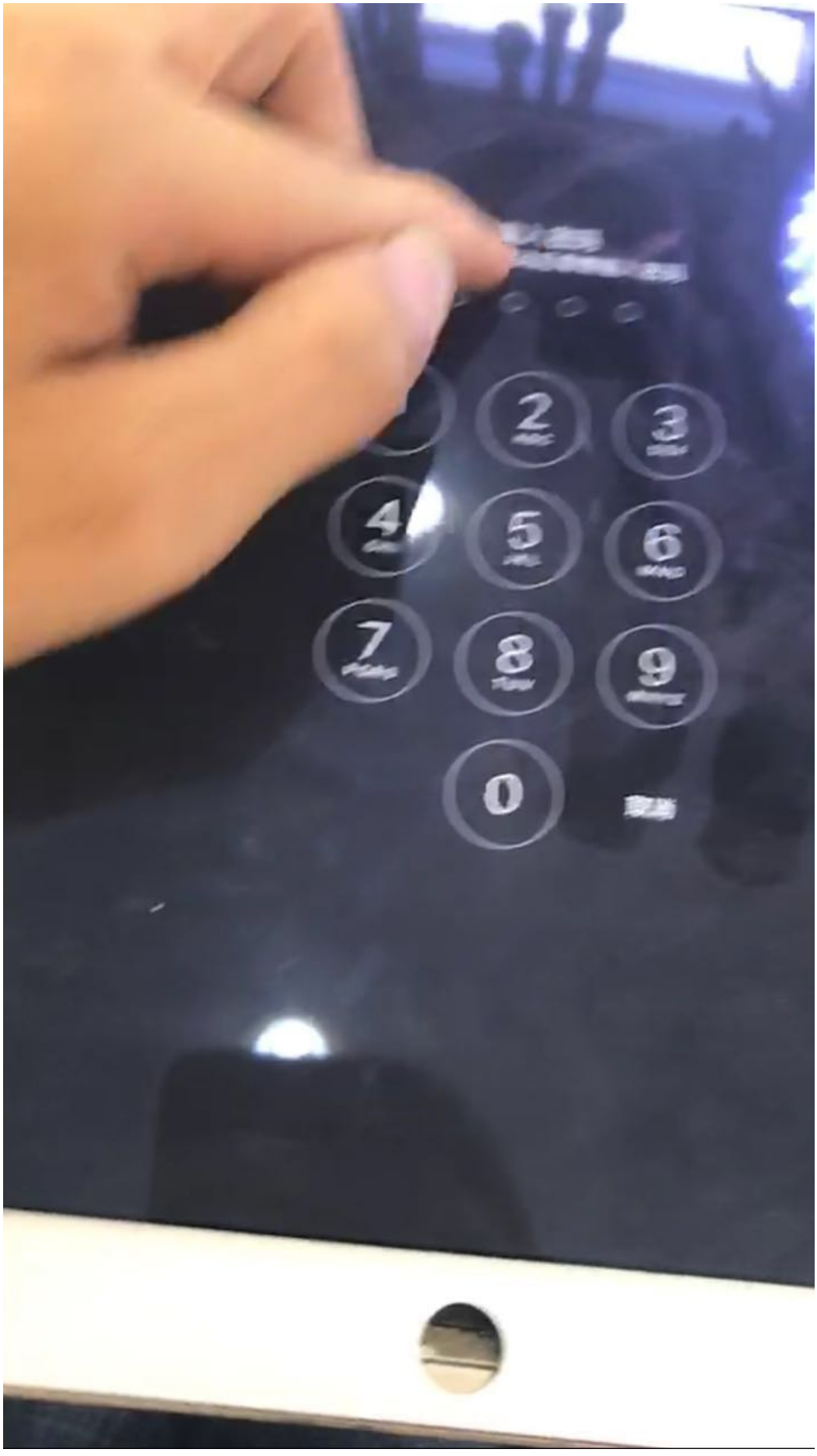
Is a resistor r4154.



Through the original map, we can find that this r4154 is a touch-clock frequency pull-down resistor. According to the usual maintenance idea, the pull-down resistor connected to one end of the chip at one end must not be the same as the rext resistor in the iphone.

I found a 4.7k resistor on the Apple phone motherboard.The boot test is boosted out.18v-20v

The screen test is faulty.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It should be that the resistance is lost, causing the white touch Chip to not work and not sending the EN signal to the Black Touch Chip, so that there is no Black Touch Chip working boost.

