iPad Air2no touch function

[Fault phenomenon]

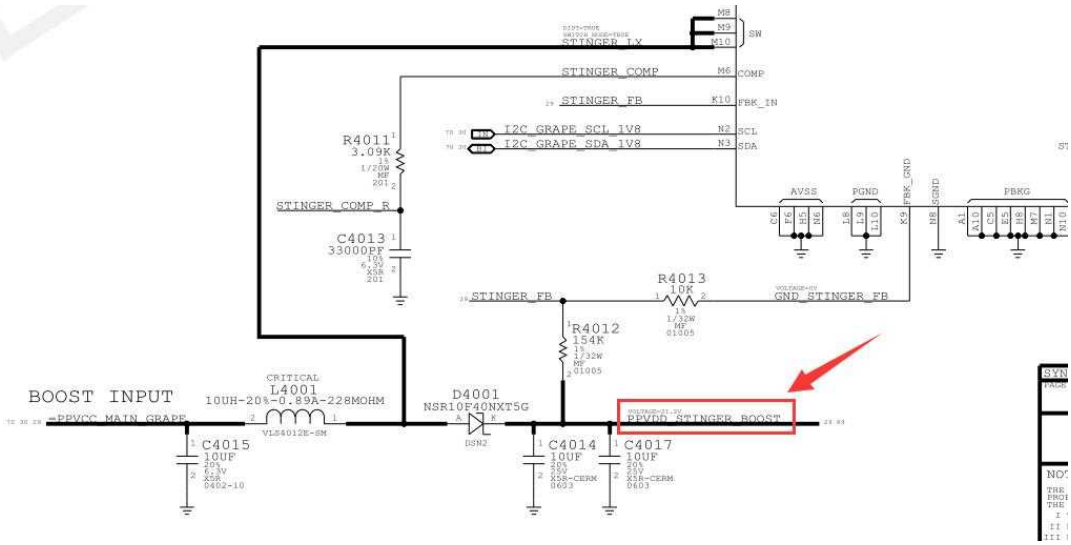
The boot is normal and the touch does not respond.

[Maintenance process]

Measuring the touch VCC is found that the PPVDD_STINGER_BOOST voltage is not.

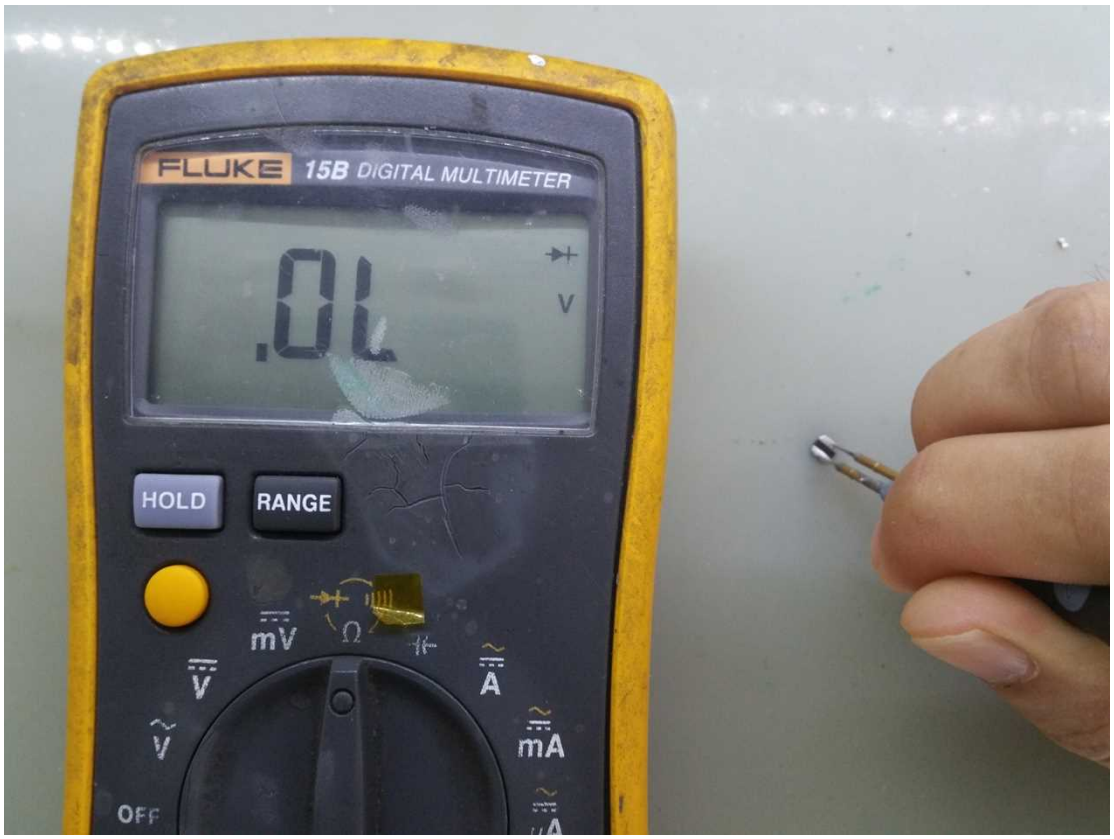


PPVDD_STINGER_BOOST voltage Boardview position




Ppvdd_stinger_boost schematic location

When measured, it was found that L4001Inductor has no dipole value.




Measurement of L4001Inductor without diode value after removal

In order to ensure that the machine is used to replace the l4001 stably, replace the d4001, c4014 and c4017 by the way.



Replaced component

Power-on measurement start-up measurement ppvdd_stinger_boost has 20v voltage, test touch normal, motherboard repair.




Ppvdd_stinger_boost test is normal