[Faulty model]: iPad 4

[Fault phenomenon]: No Power ON

The customer described the tablet as being used by the No Power ON.



[Fault Analysis]:

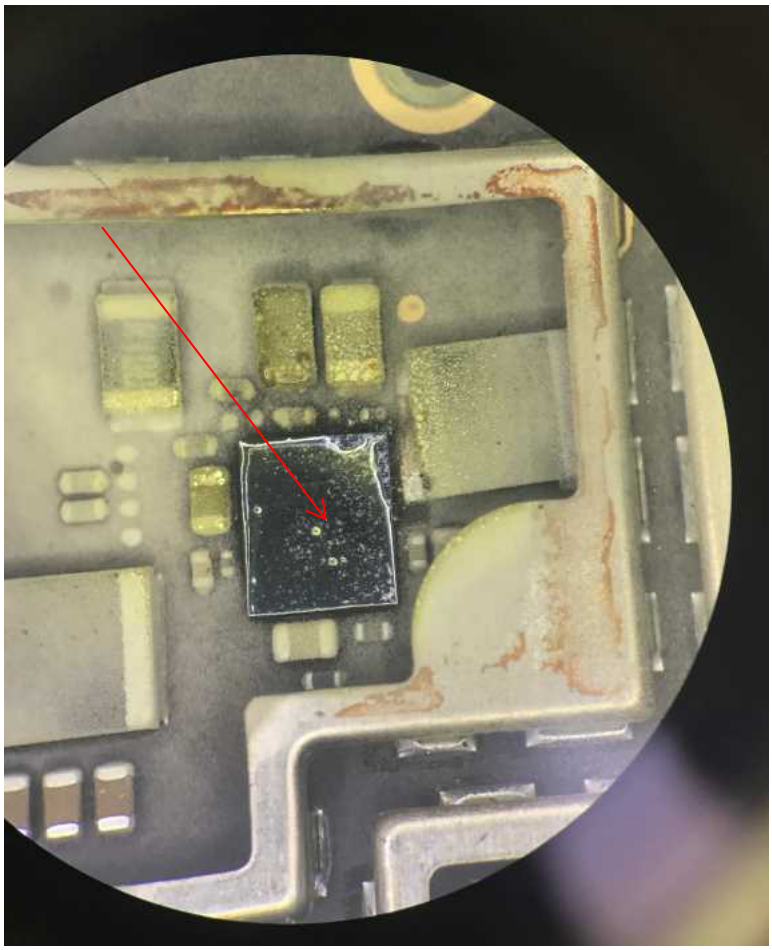
When the tablet is used up, the No Power ON is used. Is it possible that there is no power? It can't be charged, or the battery is broken.

[Maintenance process]:

Bring the tablet, the charger does not charge current, then remove the boot, take down the motherboard, and connect Adjustable Power supply to find leakage of electricity(battery abnormal consumption) 522 mAh.It seems that the leakage of electricity(battery abnormal consumption) is too big and the battery is protected, resulting in no charge.



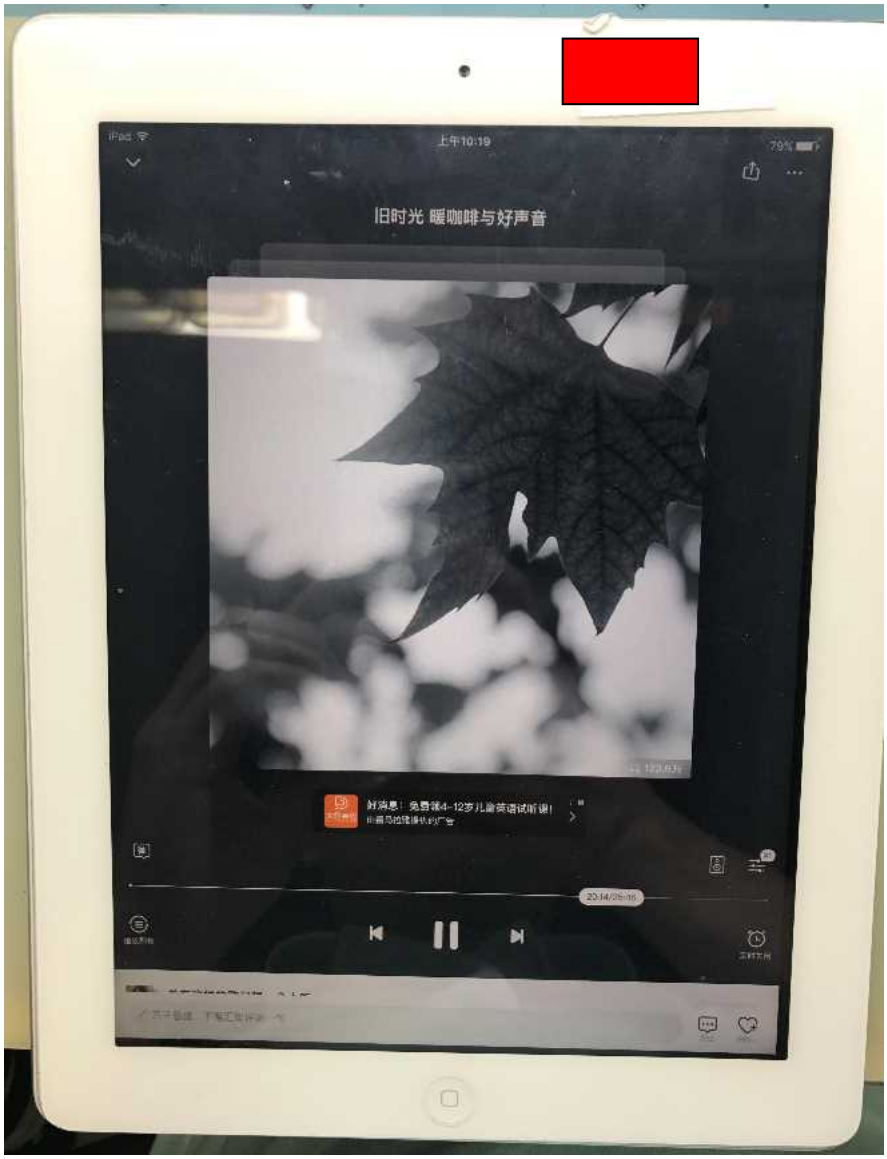
The next test found that the codec Amplifier was shorted.



Remove the codec Amplifier, do not charge the leakage of electricity(battery abnormal consumption), replace a good codec Amplifier, activate the battery, install the test.

[Maintenance results]:

The boot is normal, the charging is normal, the sound is played normally, and the function is normal. At the end of the repair, this fault is caused by the codec Amplifier short circuit caused by the leakage of electricity(battery abnormal consumption) causing the battery to protect the No Power ON.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