

## C2PC description

We, ION AUDIO,LLC, have made the improvement on product of

FCC ID:2AB3E-ISP56 , IC: 10541A-ISP56 HVIN: iSP56 to seek for the class II permission change, the details changes is as following:

Purpose:

1. Rise charging current, from 1A to 1.4A.
2. Rise circuit charging efficiency

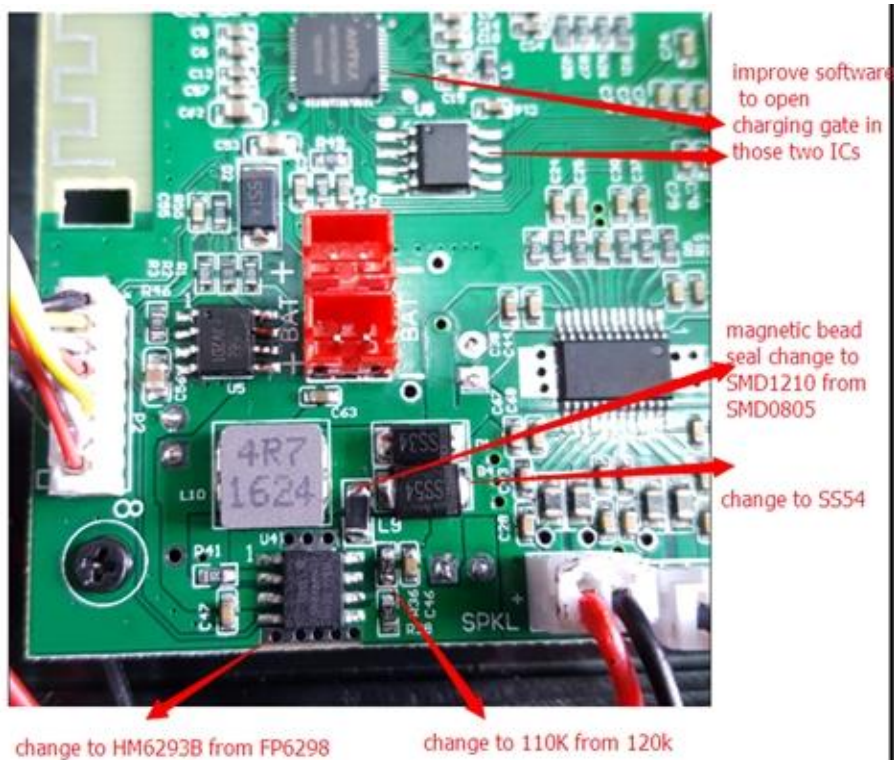
### **Improved method:**

3. Position D4, change to "SS54 DO-214AA" current 5A to "SS34 DO-214AC current 3A"
4. Position U4, change to "HM6293B SOP8 charging IC from "FP6298 charging IC SOP8"
5. Position L9, change to "100M/120R SMD1206 IDC:5A" from "100M/120R SMD0805 IDC:5A"
6. Position R36, change to "110K $\Omega$   $\pm$ 1% 0603" to "120K $\Omega$   $\pm$ 1% 0603"
7. improve software to open charging gate on IC AK1050T & 25F08

Reference PCBA image:



Old PCBA



Improved PCBA

All changes only about power charging part , these change don't affect RF function and Performance.



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