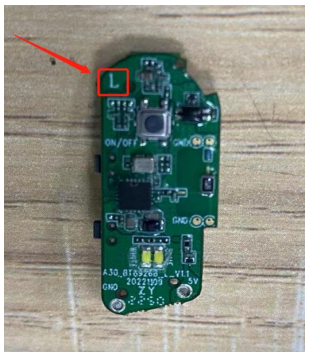
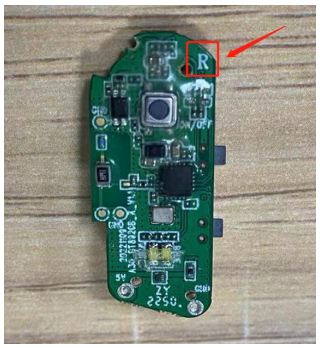
Left and right ear difference explanation

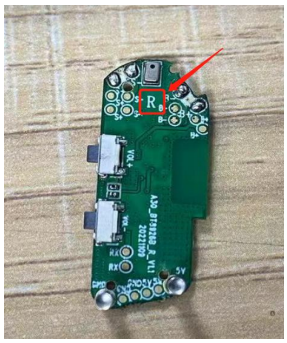
FCCID:2AXI9R8
ProductName:Truewirelessearbuds
Model:A30
Extensionmodel:
A30PLUS, A30PRO, A31, A32, R8, R8PLUS, A9, A9PLUS
All the models are the same except for the item name. The differences between the left and right ears are as follows:

1. BT8926B- Picture of left and right earphone motherboard (as shown below:)

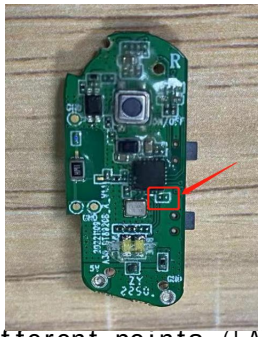
2. The left (L) and right (R) frames of the main board are mirror images, and the front and back sides are distinguished by silk screen L/R (see Figure:)







3. The left and right motherboard is a common schematic, a common software, hardware to distinguish the left and right ear function; The ADC2/PA7 is grounded for the left ear and suspended for the right ear (see figure:)



4. Different points (LAYOUT) :
1) The left and right battery pads (B+, B-), horn pads (S+, S-), side buttons, MIC and antenna are placed as mirror images;
2) IC, crystal vibration, lithium protection IC, inductance, test points are placed in different positions;
3) LAYOUT of each layer is different;
The pin output of the chip and the arrangement of the antenna cannot be completely mirrored. Therefore, in order to meet the symmetrical design of the product to meet the requirements of mirroring, there are some details differences in the placement of some components. These differences do not affect product functionality and RF performance
The circuit and parameters of the product are the same. In order to achieve the same effect on the left and right of the product, the design has made detailed adjustments on the placement.

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