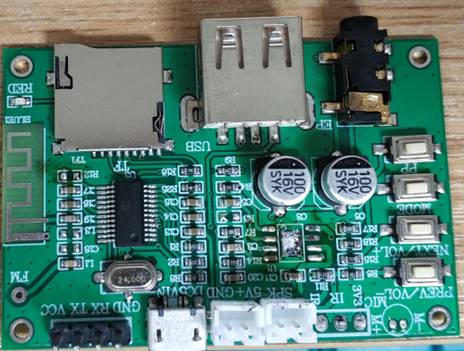
**Explanation of power consumption test for KT1025A chip**

**Test environment: BT201 module**



|  |  |  |
| --- | --- | --- |
| 1Remove the power amplifier, remove the status indicator  2The test power supply is 5V stable voltage power supply - - the precision is very good, the error is about 1mA. | | |
|  | | |
| **state** | **Detailed state** | **Electric current** |
| Bluetooth status | 1Dual-mode audio + BLE -- search status | 32mA |
| 2Dual-mode audio + BLE -- connection success state -- pause | 14mA |
| 3Dual-mode Audio + BLE -- Connection Successful State -- Play -- Unplugged Headphones Unloaded | 23mA |
| 4Pure BLE State -- Search State | 9mA |
| 5Pure BLE state -- Connection success state | 9mA |
| MP3 state | 1Playing TF Card--Playing State | 43mA |
| 2Play TF Card - in Suspension State | 38mA |
| 3Play U Disk - Play State | Depending on the U disk |

**2. Additional Test Details - Pure BLE Mode**

**1. We tried to reduce the clock 192MHZ of the main chip to 120MHZ, and found that it was still 9mA, without reducing power consumption.**

**2. We try to add the BLE broadcast cycle from 250ms to 625ms, and find that the power consumption has not decreased.**

**3. So it can be concluded that the lowest power consumption of pure ble is 9ma, which can not be reduced.**