

BH13 Bluetooth headset principle

1. Mono complete machine for the Bluetooth headset from 3.7 V/80mAH polymer battery for Broadcom's BCM2044 Bluetooth control, an integrated DC / DC, LDO and battery charging management circuits, used as a base-band control ARM7 , Bluetooth and RF integrated circuits.

2. Control IC and work in the shutdown pin A11 will have 1V8 power output, electricity supply to the complete machine in the off state is a state of deep sleep, standby current of about 160 uA. Current work around 14 mA, in the boot mode, A2 feet 1 V5 output RF power supply circuit, in the state of calls, part of the two power Audio: L4 output VDD_Audio feet and legs K4 AVDD output power supply to the internal audio CODEC circuit.

3. Entire headset MMI through a 24-LC128 the E2ROM storage, containing the LED's instructions, the button operation, prompt, and the volume of MIC, also part of the charging information.

4. Replication and testing is carried out through the mouth of the UR.