

# Principle Description

## — Main Index:

Power Adapter: 5.0V/0.5A

Power Dissipation: 0.259W

## — Circuit Description

### 1 Bluetooth 3.0 Wireless Keyboard

2 84 Keyboard Keys and two bottoms of POWER, Bluetooth CONNECT ,two LED indicator light(Red for Charge ,Blue for Bluetooth CONNECT)

3.1 Once a key or multi keys of keyboard are pressed or released, the signal change will be detected by MCU.

3.2 The MCU converts these signals into HID data packet.

3.3 The MCU send HID data packet to Bluetooth Module via uart interface.

3.4 The BT module transmits the modulation signal on frequency of 2.4GHz using FHSS modulation.

4.1 Once the receiver receives the modulation signal,it will demodulation the signal through Bluetooth Chip and will respond with signal to Bluetooth Stack..

4.2 The BT Stack converts the signal into an acceptable format received by PC.

4.3 The USB Port only has charger function.