

## SHF20 Operation Description

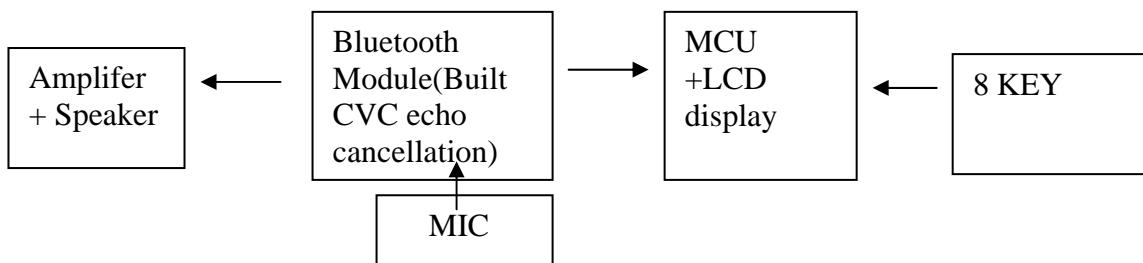
The SHF20 use the Bluetooth Technology to connect with Mobile which have built in Bluetooth. Using the HFP & HSP profile of Bluetooth to have call function.

The followings are the function subject:

- 1, call ID display when there is a incoming call
- 2, reject call
- 3, receive call
- 4, end call
- 5, volume control
- 6, last num redial
- 7, speed Dialing
- 8, wireless read phonebook from Mobile using OPP profile
- 9, active the voice dialing when mobile support this function
- 10, showing mobile phone status
- 11, microphone gain control

The function theory as below:

- 1, function diagram



- 2, The unit use the bluetooth technology to connect with mobile (built in bluetooth). Use CVC technology to do ECHO cancellation, MCU will receive the data from Bluetooth module then drive the Lcd to display the Call ID

Description of EUT : Bluetooth Handfree

Description of Antenna : fixed, built-in antenna, -1.0dBi

Power Supply : DC 12V or 3.7 V from rechargeable battery

Operation Frequency : 2402 MHz ~ 2480 MHz

Number of Channels : 79

Type of Modulation : FHSS

Output Power Class : Class 2