

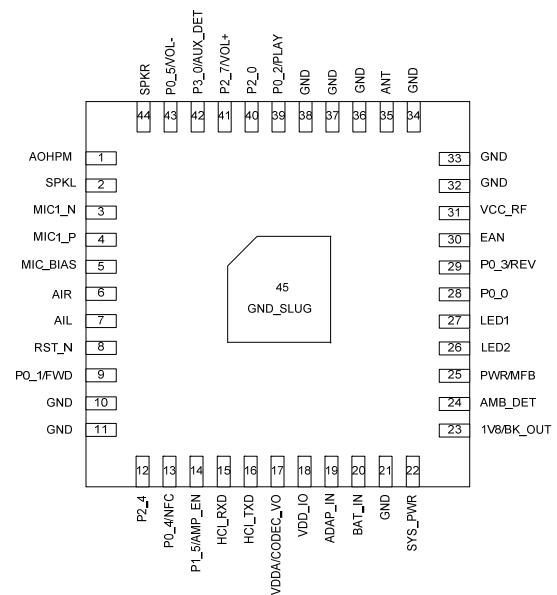
## Product Feature

- Complete, Fully Certified, Embedded 2.4 GHz Bluetooth® Version 4.1 Module
- Support 64 kb/s A-Law or  $\mu$ -Law PCM format, or CVSD (Continuous Variable Slope Delta Modulation) for SCO channel operation
- 20 bit DAC and 16 bit ADC codec
- 98dB SNR DAC playback
- Integrate 3V, 1.8V configurable switching regulator and LDO
- Built-in Lithium-ion battery charger (up to 350mA)
- Simple, UART interface & Multiple I/O pins for control and status
- A line-in port for external audio input
- Two LED drivers
- Noise & Echo suppression
- High speed HCI-UART (Universal Asynchronous Receiver Transmitter) interface (up to 921600bps)



## Brief Specification

- Size : 14.5mm X 14.5mm X 2mm
- Chipset : IS2020S
- Integrated 16MHz Crystal & 64Kb EEPROM
- BT : Tx 3dBm, Rx -90dBm
- Operating Conditions
  - Battery Supply Voltage : Typ 3.7V, Min 3.0V ~ Max 4.2V
  - Adapter Supply Voltage : Typ 5.0V, Min 4.5V ~ Max 5.5V
  - Temperature Range : -20 ~ +70°C
- BT Interface : UART



## Product Applications

- High Quality Stereo Wireless Headsets
- High Quality Mono Headsets
- Hands-Free Car Kits
- Bluetooth sound bar
- Bluetooth stereo speaker phone

