



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Bluetooth Version 4.0 Audio Module



Product Brief

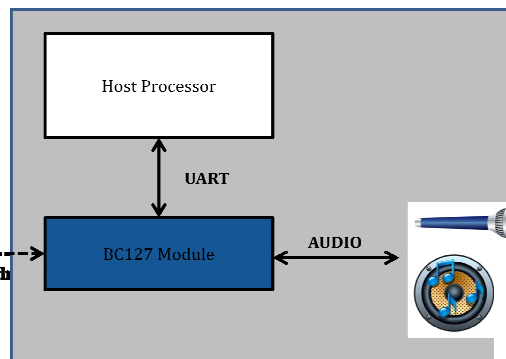
BC127 Certified Bluetooth Module with Integrated Antenna Connects to Phones and Delivers Handsfree, High quality Stereo Music, Data and Access to Phonebook in the Smallest Package Available.



It consists of a Class2 Bluetooth Radio, a DSP processor and is controlled by high level UART instructions or GPIOs. B127 supports all the high-end wireless Codecs such as aptX®, AAC, MP3 and SBC for high quality Audio. Profiles supported include HFP1.6 (Handsfree), HPF-AG, A2DP Sync and Source / AVRCP 1.4 (Music streaming Transmit and Received), PBAP (Access to Phonebook), MAP (Access to Text Messages), Bluetooth Low Energy GATT and Connection to Smart Phones such as Android (using the SPP profile) or iPhones®, iPads® and iPods® (using iAP1 and iAP2 protocols).

Bluetooth Accessory

**Smart Phone/
Laptop/Tablet**

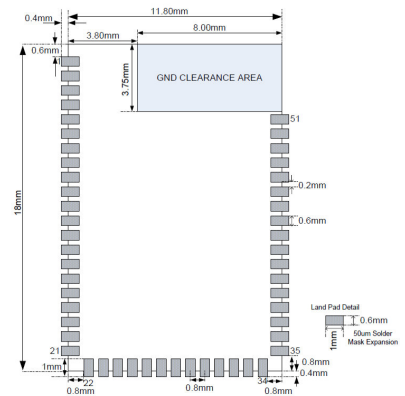




Product Brief

Main Features

- Dual Mode: Bluetooth and Bluetooth Low Energy (BLE)
- Backwards compatible with 1.1, 2.0, 2.1 + EDR and 3.0
- Embedded Bluetooth Protocol Stack
- Supports HFP, A2DP Sync, AVRCP, PBAP, MAP and SPP
- Supports HFP-Ag and A2DP Source for Transmit
- Supports IAP1/IAP2 profiles for connection to iOS devices
- Supports aptX, (inc. Low latency), aac, sbs and mp3 codecs
- Simple UART and GPIO interface for command and control
- Connects to external Codecs with I2S, PCM and SPDIF interfaces
- Input and Output can be Digital or Analog Audio
- Small form factor (11.8mm x 18mm)



Applications

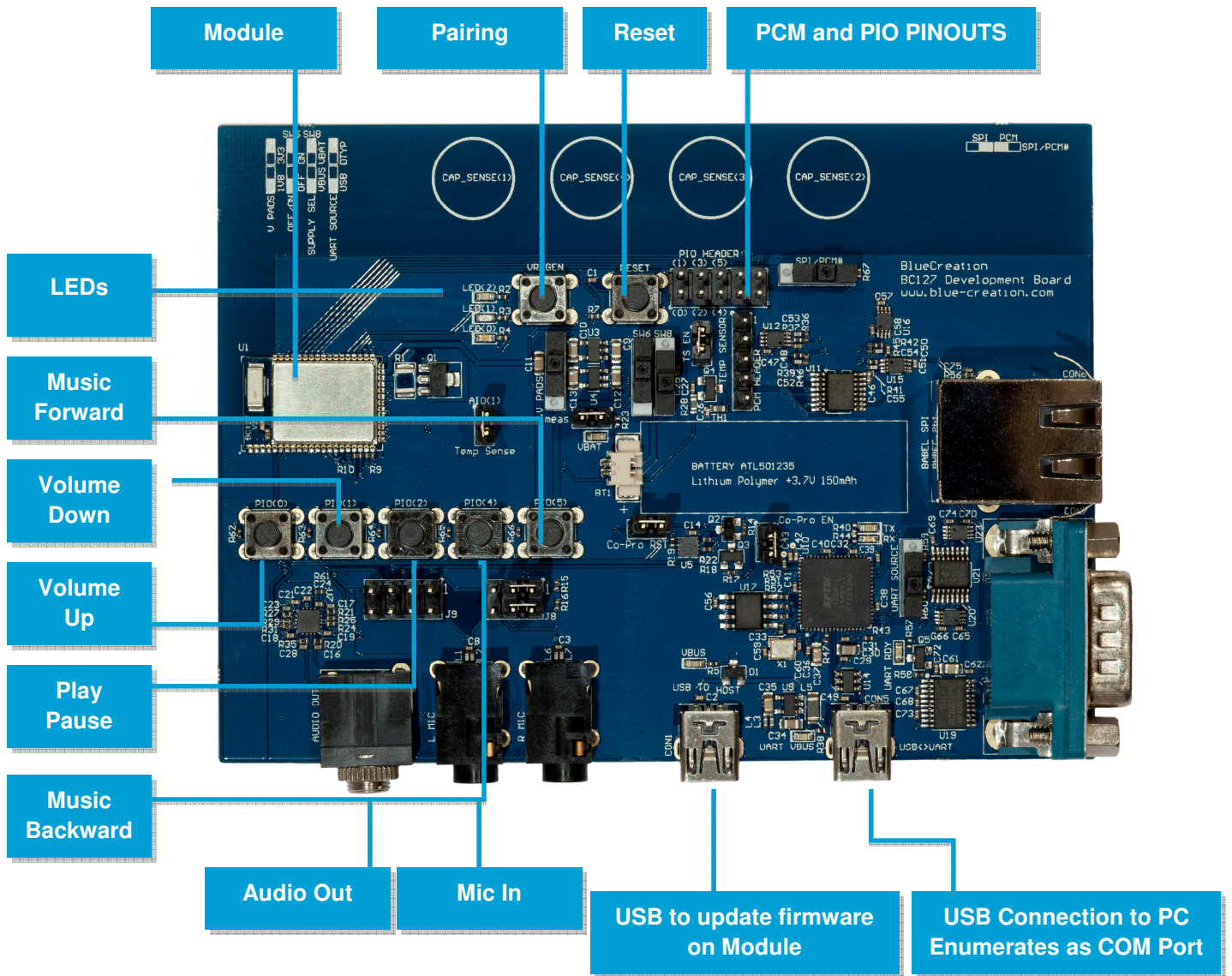
BC127 is ideal for any development that requires high quality Bluetooth Audio streaming or a dual mode solution to connect both to BLE enabled Smart Phones and Classic Bluetooth Smart Phones. Some of the typical applications are:

- Smart Phone Controlled Accessories
- Wireless Speakers and Headsets
- Intercom Push to Talk Gateways
- Wireless Docks and Sound Bars
- Dual Mode wireless Gateways
- General Bluetooth Controllers
- Remote Controls and Smart TVs





Development Kit





Ordering Information

Part number BC127

Order number	Description
BC127	Class2 Bluetooth 4.0 Module with integrated Antenna
BC127-DEVKIT-001	Development kit for the BC127 module