BTBee HC-06

-Bluetooth to Serial Port Bee Module

Overview

BTBee HC-06 is a serial port Bluetooth module (Salve) breakout board with a Bee shape, and it's compatible with any Bee sockets. It can directly plug into the Bee sockets and use the UART port for Bluetooth communication.
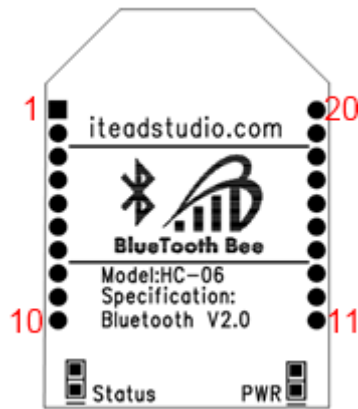
Specifications

Microprocessor	CSR BC417
PCB size	33.2mm X 24.4mm X 1.6mm
Indicators	PWR State
Power supply	3.3V DC
Communication Protocol	UART Bluetooth2.0
RoSH	Yes

Electrical Characteristics

Specification	Min	Type	Max	Unit
Input voltage	3	3.3	3.6	VDC
Current Consumption	–	20	40	mA

Hardware

Pin	Pad Name	Type	Description
1	VCC	P	Power supply
2	TX	O	Data output
3	RX	I	Data input
5	Reset	I	HC-06 reset
10	GND	G	Ground
4,6,7,8,9,11,12,13,14,15,16,17,18,19,20	NC	–	No connect

Indicators LED:

PWR : When power on, the PWR LED light.

State : When the module in standby mode , the State LED will flicker. When the serial port open, the State LED will always on.

AT command

Default:
 Slave, 9600 baud rate, N, 8, 1. Pincode 1234

AT command:
1. Communications Test :
Sent : AT
receive : OK

2. Change baud rate :
Sent : AT+BAUD1

receive : OK1200

Sent : AT+BAUD2
receive : OK2400
1---------1200
2---------2400
3---------4800
4---------9600
5---------19200
6---------38400
7---------57600
8---------115200
Baud rate setting can be save even power down.

3. Change Bluetooth device name:
Sent : AT+NAMEdevicename
receive : OKname
(devicename is the name you want the device to be , and it will be searched with this name)
Name setting can be save even power down.

4. Change Pincode:
Sent : AT+PINxxxx
receive : OKsetpin
(xxxx is the pin code you set)
Pin code can be save even power down.

Revision History

Rev.	Description	Release date
v1.0	Initial version	3/28/2011