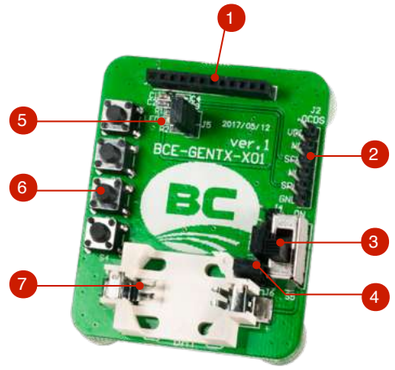
BEST MODULES Quick Start Guide

Name: RF Wireless Transmitting Module Evaluation Board

Model: BCE-GENTX-X01

https://www.bestmodulescorp.com

1 Component Description and Layout



1. Module Socket
2. OCDS Interface
3. Power Switch
4. LED2
5. LED1
6. 4 Keys
7. CR2032 Battery

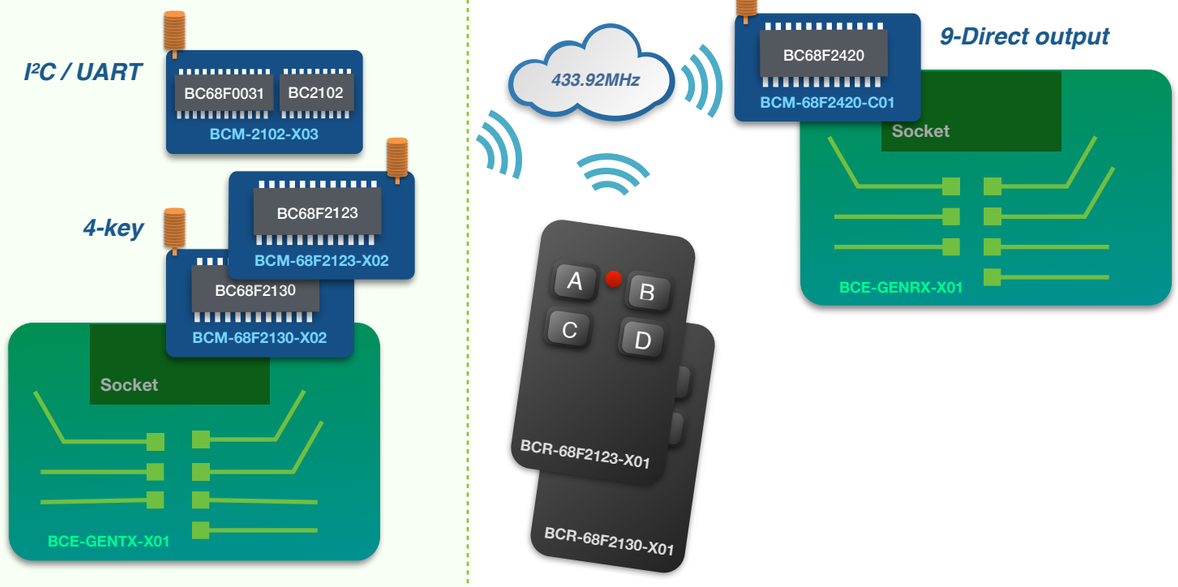
2 Pin Order

Pin #	Pin Name
1	GND
2	VDD
3	VDDRF
4	OCDSDA
5	OCDSCK
6	TX_LED
7	KEY1
8	KEY2
9	KEY3
10	KEY4
11	Reserved1
12	Reserved2

3 Product Description

This product uses a custom signal transmitting protocol and should therefore be used together with the following products, which need to be purchased separately:

- Parallel type 433MHz RF transmitting module: BCM-68F2123-X02 / BCM-68F2130-X02
- Serial type 433MHz RF transmitting module: BCM-2102-X03



Hyper link BC68F0031 | BC68F2123 | BC68F2130 | BC68F2420 | BC2401 | BC2102

4 Function Description

1. The Master MCU transmits RF signals using the 4 keys.
2. The 2 LEDs indicate the power-on state and the signal transmitting state.
3. An integrated OCDS interface is included which allows the device to connect to the Holtek e-Link or e-WriterPro tools. This allows application programs to be programmed into the module's MCU.

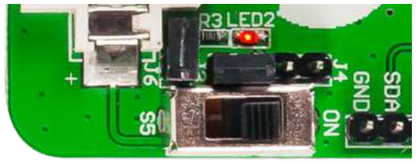
5 Insert the RF wireless Transmitting module into the socket on the evaluation board. Note that this needs to be purchased separately.

Note: For this operation the power should be off.

6 Insert the battery

7 Switch on the power

The power indicator LED2 will then be illuminated.



on

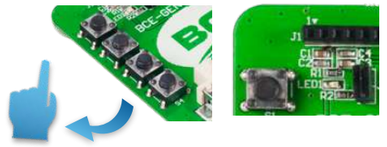
8 Match the modules

Press any key to transmit the corresponding RF signal, the signal transmitting indicator LED1 will then be illuminated.

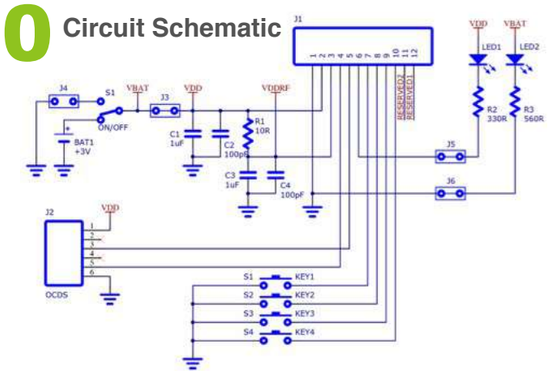
Note: The key should be pressed and held for at least 40ms to avoid the system ignoring the key action.

9 Signal Transmitting

Each time a key is pressed, the RF wireless Transmitting boardwill transmit the corresponding data packet twice. The transmission process will stop once the key is released, after which LED1 will turn off.



10 Circuit Schematic



11 Easy Trouble Shooting

1. If the power indicator LED does not illuminate after powering on, check the battery condition and the power switch.
2. If the RF signal transmitting LED does not illuminate after a key is pressed, check if the Transmitting boardis correctly installed.
3. If problems are unable to be resolved using the above methods, consult the "Technical Support" on the Best Module Official Website.

12 Specification

- Size (L × W × H)：54 × 46 × 16 mm
- Weight: 15.4 grams without battery
- Operating voltage: 2.2V ~3.6V
- Operating temperature: -40°C ~ +85°C