



Button LED Red Module BB-BLED-R



GETTING STARTED GUIDE

V1.0

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1.0 Introduction

This is a simple LED-illuminated tactile button with a redcap. It's just like a basic tactile button or sometime we call it push button, but user has option to light it up in red. The LED is independent from the button, user need to control it to activate it.

2.0 Specification

- Operating voltage: DC 12V, 50mA
- PIN: A = Anode of LED, C = Cathode of LED, 1 = pin 1 of button, 2 = pin 2 of button

3.0 Packing List

- [BB-BLED-R module](#)
- 1 x 4 [header pin](#)

4.0 Requirements

It can be interface with any microcontroller with digital input such as [PIC](#), [SK40C](#), [SK28A](#), [SKds40A](#), [Arduino series](#).

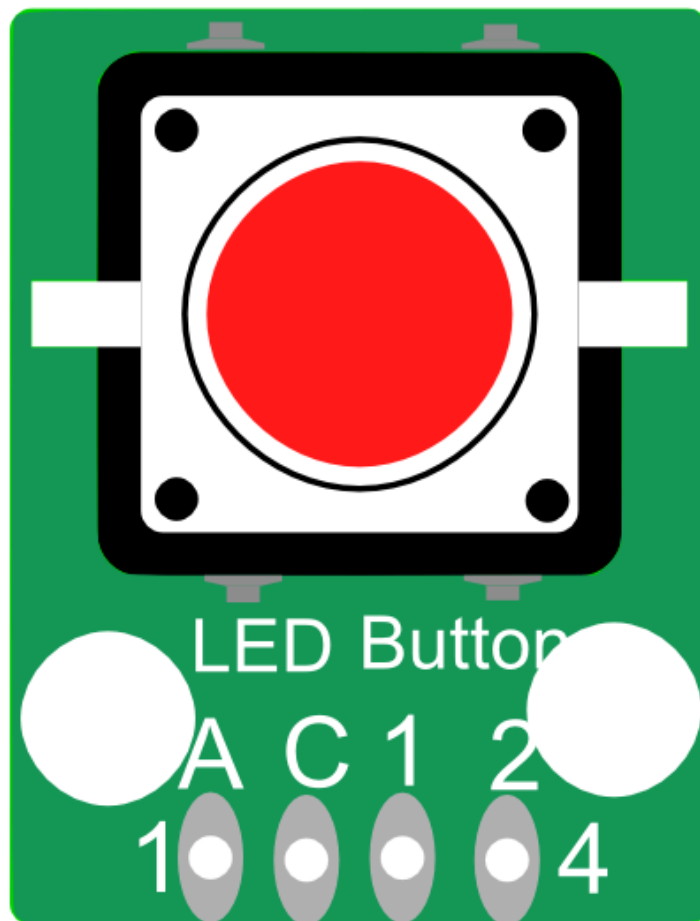
Necessary hardware to follow this guide:

- [BBFuino Board](#)
- [BB-BLED-R module](#)
- [Jumper wires](#)
- Resistors

5.0 Pin Assignment

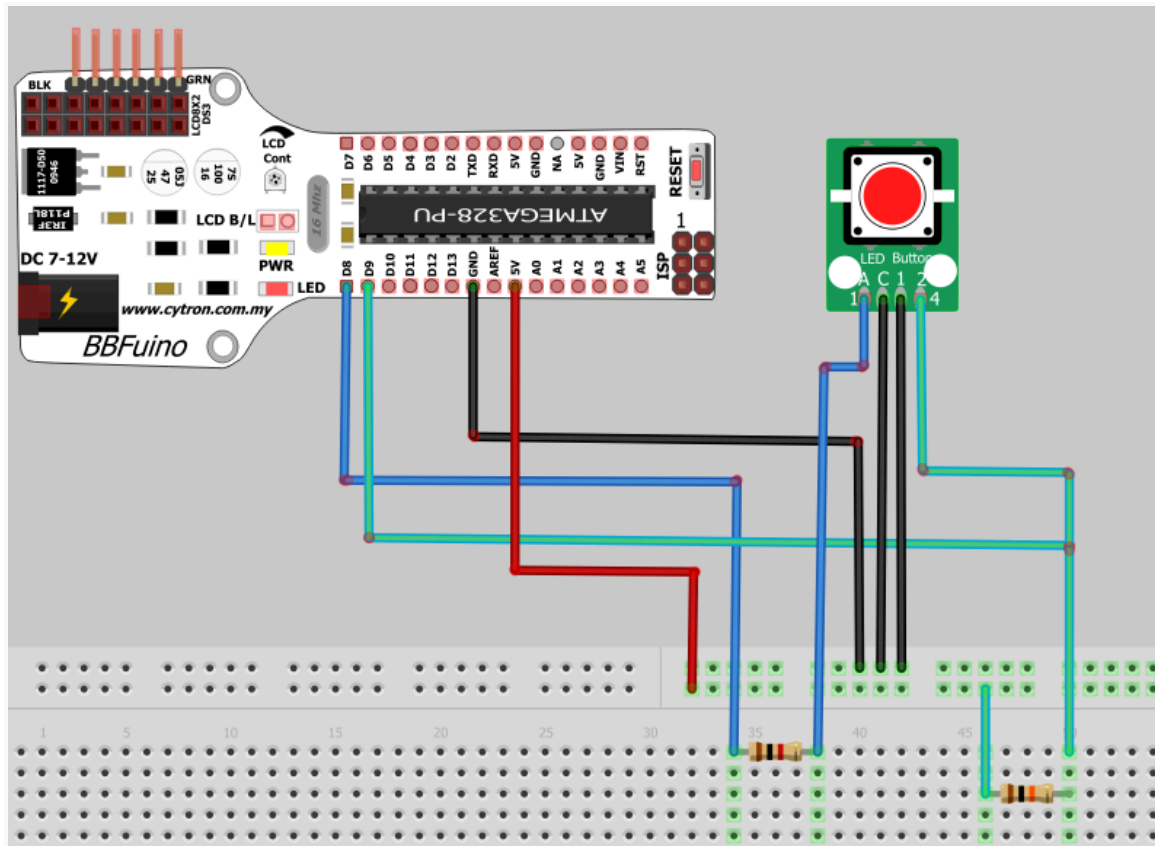
They are 4 pin at BB-BLED-R. User may use push button pin with option to light it up in red color.

1. LED A
2. LED C
3. Button 1
4. Button 2



Pin assignment for BB-BLED-B

6.0 Hardware Interface/Setup



Hardware Interface between BB-BLED-R and BB-Fuino

7.0 Example Code

This is an example code for BB-BLED. BB-BLED-R will light on when button is pressed.

```
void loop(){
  // read the state of the pushbutton value:
  buttonState = digitalRead(buttonPin);

  // check if the pushbutton is pressed.
  // if it is, the buttonState is LOW:
  if (buttonState == LOW) {
    // turn LED on:
    digitalWrite(ledPin, HIGH);
  }
  else {
    // turn LED off:
    digitalWrite(ledPin, LOW);
  }
}
```

8.0 WARRANTY

- Product warranty is valid for 12 months.
- Warranty only applies to manufacturing defect.
- Damaged caused by miss-use is not covered under warranty
- Warranty does not cover freight cost for both ways.

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