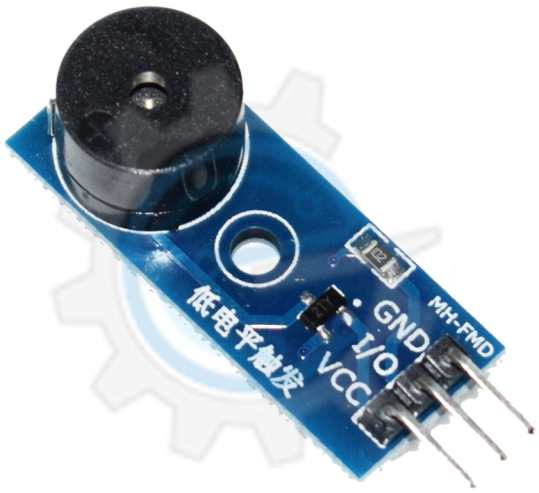
# High Quality
# Passive Buzzer module




The high quality passive buzzer module has no oscillation source, it needs a square wave frequency 2KHz to 5KHz to drive. Compatible in all gizDuino Boards and other arduino mcu.

**Specifications:**

***Input Voltage:*** 3.3V to 5V DC
***Buzzer type:*** Passive
***PCB Dimensions:*** 13.5 mm x 33mm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**Wiring Connections:**

**GizduinoV to Passive Buzzer**

| | |
|---|---|
| **+5V** | **VCC** |
| **D5** | **I/O** |
| **GND** | **GND** |

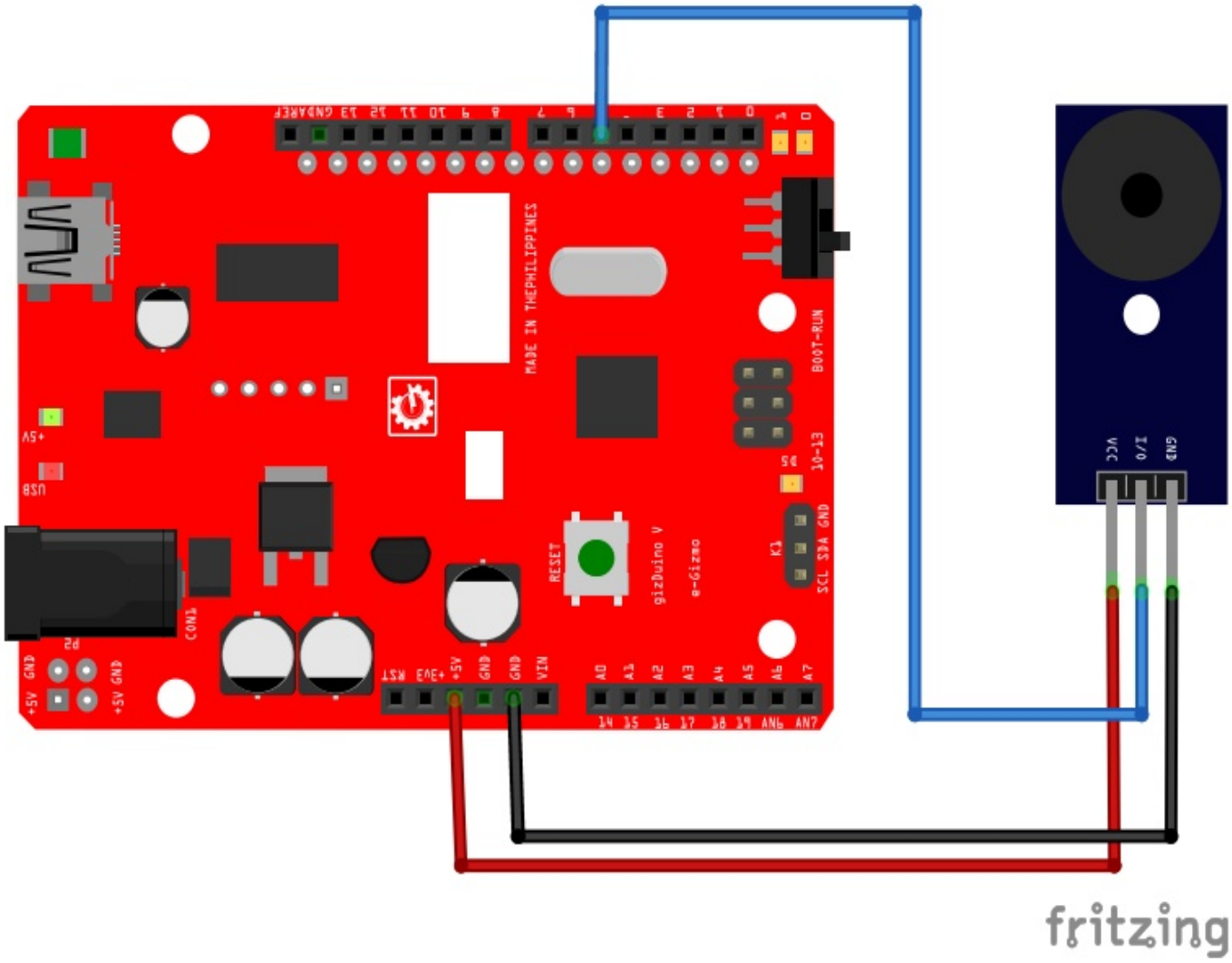


**Figure 1. Sample Wiring Diagram with GizDuino V ATmega328P.**


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```
//*********************************************//
//     High Quality Passive Buzzer             //
//                                             //
//   This is a sample sketch is for            //
// transmitting signal to the I/O pin of       //
// the buzzer to generate output tones.        //
//                                             //
//                Codes by:                    //
//     e-Gizmo Mechatronix Central             //
//          http://www.e-gizmo.net             //
//            Novemver 5, 2017                 //
//*********************************************//

int buzzer = 5;// setting controls the digital IO foot buzzer
void setup ()
{
  pinMode (buzzer, OUTPUT) ;// set the digital IO pin mode, OUTPUT out of Wen
}
void loop ()
{
  unsigned char i, j ;// define variables
  while (1)
  {
    for (i = 0; i <80; i++) // Wen a frequency sound
    {
      digitalWrite (buzzer, HIGH) ;// send voice
      delay (1) ;// Delay 1ms
      digitalWrite (buzzer, LOW) ;// do not send voice
      delay (1) ;// delay ms
    }
    for (i = 0; i <100; i++) // Wen Qie out another frequency sound
    {
      digitalWrite (buzzer, HIGH) ;// send voice
      delay (2) ;// delay 2ms
      digitalWrite (buzzer, LOW) ;// do not send voice
      delay (2) ;// delay 2ms
    }
  }
}
```


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