Keyes Brick Passive Buzzer(Pad Holes) with Anti-reverse Interface

1.Description

This is an ubiquitous passive buzzer with anti-reverse terminals , which mainly adopts a 12*8.5MM 5V 2K passive buzzer component.

For this kit, we provide a 3 pin cable to facilitate connection.

The passive buzzer isn’ t inclusive of internal oscillation circuit. When GND and VCC are plugged in, the input square waves of different frequencies (5V) at end S drive the buzzer to let out diverse sound.

Its central frequency is 2KHz.

The driving frequency is tied to central frequency, thereby, that means

the driving frequency and the frequency we hear is 2KHz as well.

Meanwhile, the location holes with 3mm in diameter on the module contribute you to fix the buzzer on the other devices.

Moreover, it is compatible with various MCU control boards, such as arduino series MCU. When in use, we can stack a sensor shield on the microcontroller, then connect module, shield and microcontroller together.

2. Specification

Wire length: 200mm

Working voltage: DC 5V

Interface: 2.54mm 3pin anti-reverse interface

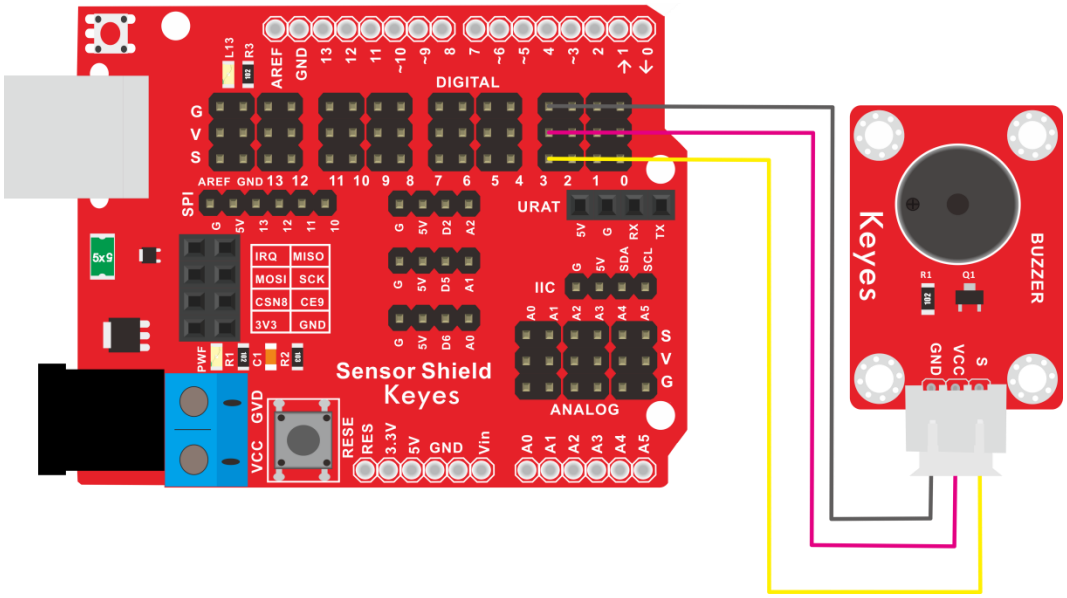
Location hole size: 3mm in diameter

Control signal: square wave, the center frequency is 2KHz

Size: 34*22*12mm

Weight: 3.9 g

3. Hook-up Diagram



4. Test Code

```
int buzzer=3;                    //define digital port 3
void setup()
{
pinMode(buzzer,OUTPUT);//set buzzer to OUTPUT
}
void loop()
{
unsigned char i,j;//define variable i , j
```

```
while(1)
{
for(i=0;i<80;i++)//   output a sound with frequency
{
digitalWrite(buzzer,HIGH);
delay(1);//delay 1ms
digitalWrite(buzzer,LOW);
delay(1);//delay 1ms
}
for(i=0;i<100;i++)// output another sound with frequency
{
digitalWrite(buzzer,HIGH);
delay(2);//delay 2ms
digitalWrite(buzzer,LOW);
delay(2);//delay 2ms
}
}
```

```
}
```

5. Test Result

Burn the test code, hook up the components according to the wiring diagram and power on, the passive buzzer will let out sound with 500Hz and 250Hz alternately.