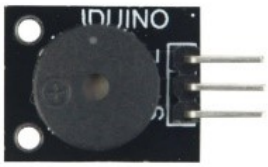
Passive Buzzer(SE044)



1 Introduction

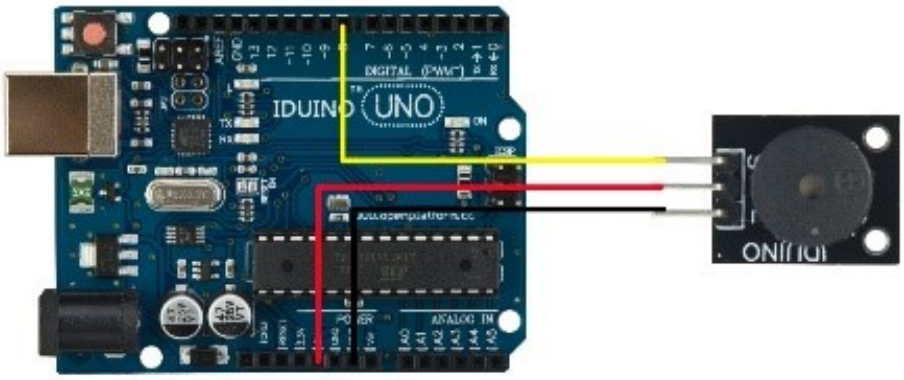
This module is similar with the Active Buzzer, the only difference is that this module only can be driven square wave signal, not DC signal.

2 pinout

Pin	Description
S	Signal input pin, which can be driven by square wave signal
+	Power(3.3V/5V), you may not see this mark on the board, it's the middle pin
-	Ground

3 Example

Here is a example that driven the Passive buzzer sound. The connection as below:

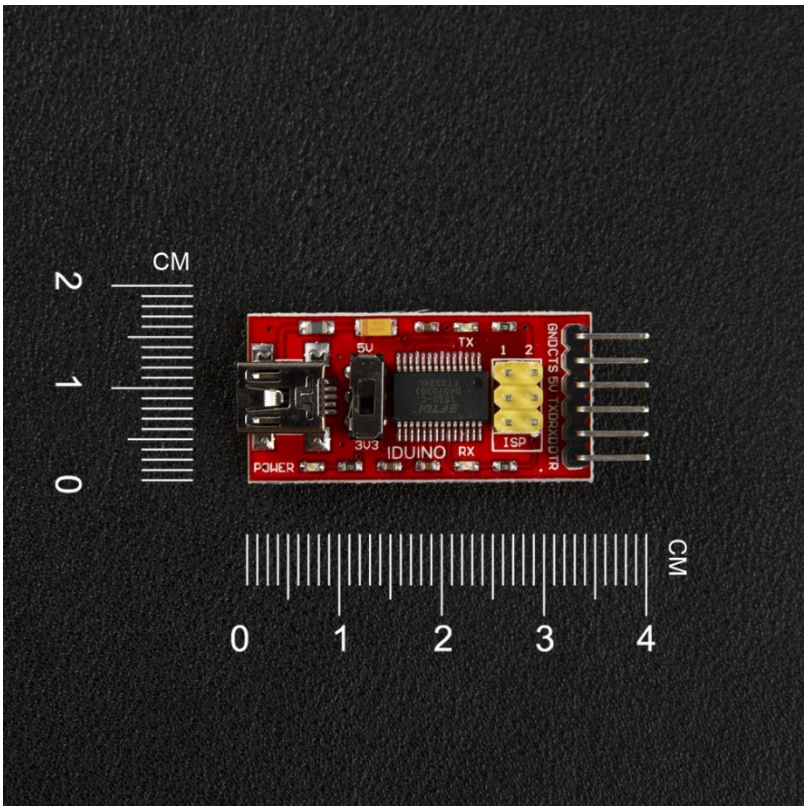


********Code begin********

```
int buzzer = 8 ;// 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
    }
  }
}
```

********Code End********



Description:

This board converts a USB connection into a 5 volt Serial TX and RX that you can

connect straight to the Arduino Mini, Arduino Ethernet or other microcontrollers, allowing them to talk to the computer.
One of the nice features of this board is a jumper on the back of the board that allows the board to be configured to either 3.3V or 5V (both power output and IO level). This board ship default to 5V, but you can cut the default trace and add a solder jumper if you need to switch to 3.3V.

Specification

- Chip: FT232RL
- RXD/TXD transceiver communication indicator
- USB power supply, can choose 5V or 3.3V
- With over current protection, using 500MA self-restore fuse
- Pin definition: DTR,RXD,TX,VCC,CTS,GND