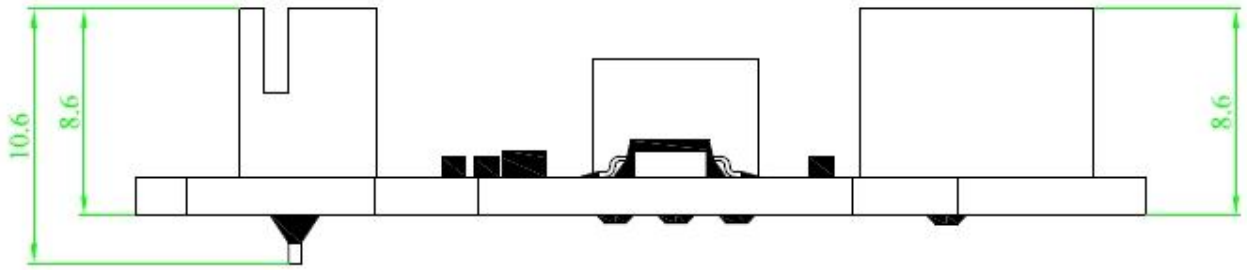
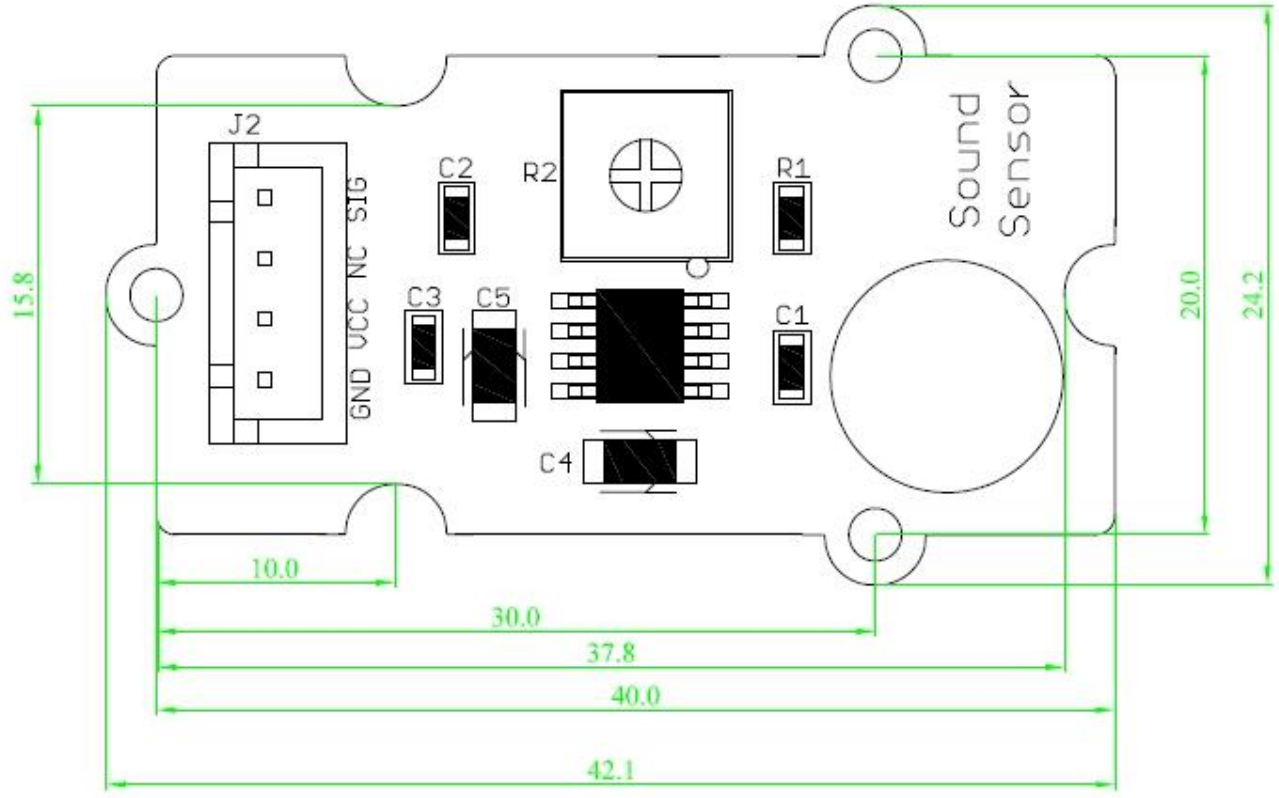
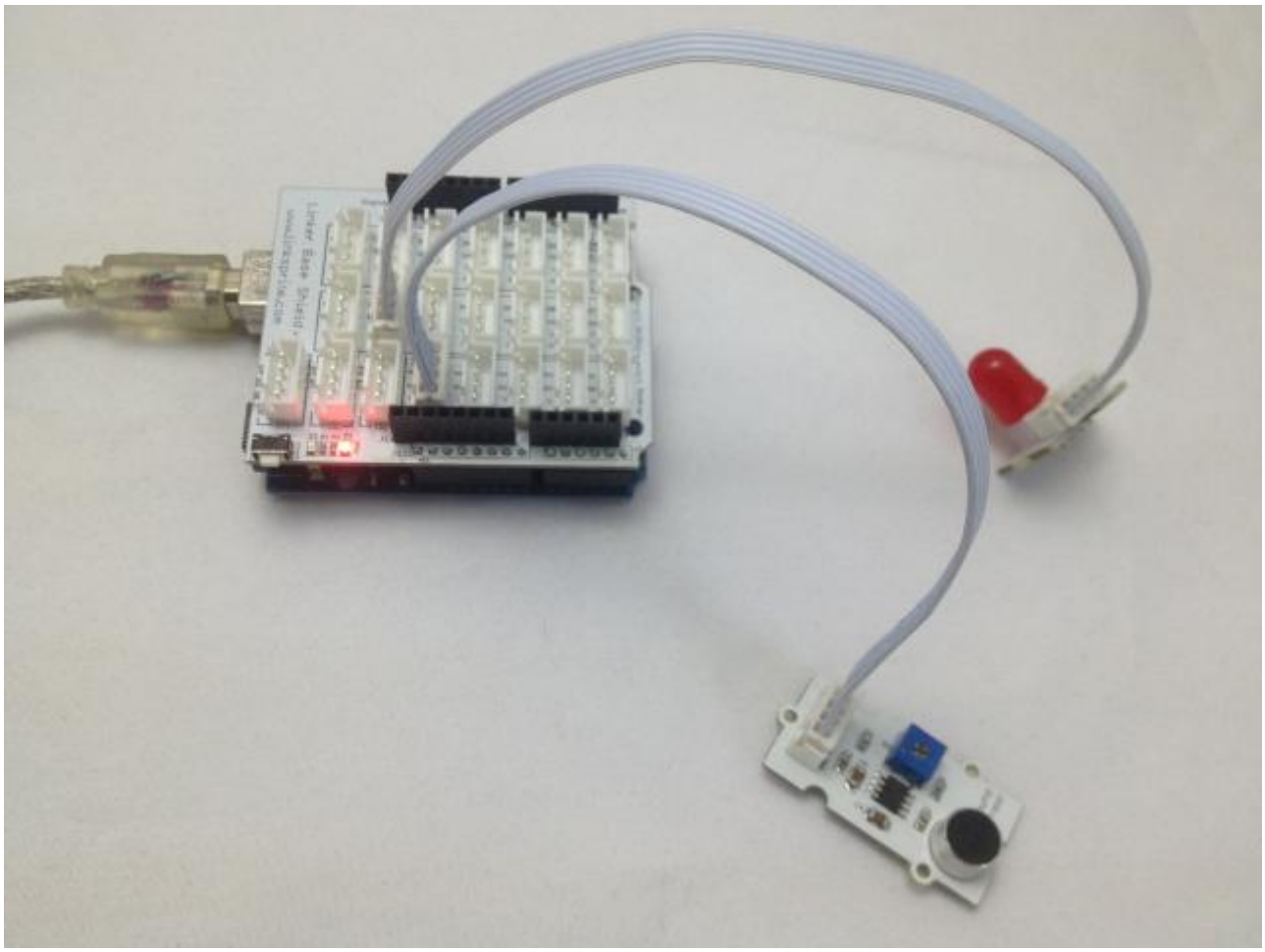
Sound Sensor

Introduction

The Sound sensor module is a simple microphone. Based on the power amplifier LM386 and the electret microphone, it can be used to detect the sound strength of the environment. The value of output can be adjusted by a potentiometer.





Application Ideas

```
const int ledPin =  12;      // the number of the LED pin
const int thresholdvalue=400;//The threshold to turn the led on
void setup() {
     pinMode(ledPin, OUTPUT);
}

void loop() {
  int sensorValue = analogRead(A0);//use A0 to read the electrical signal
  if(sensorValue>thresholdvalue)
  digitalWrite(ledPin,HIGH);//if the value read from A0 is larger than
400,then light the LED
  delay(20);
  digitalWrite(ledPin,LOW);
}
```