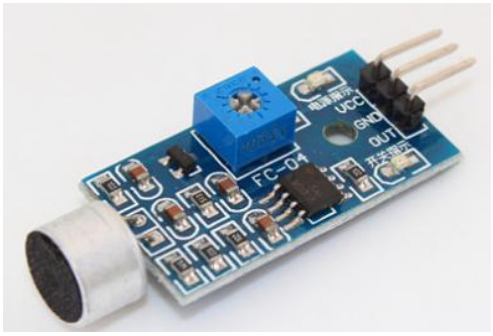
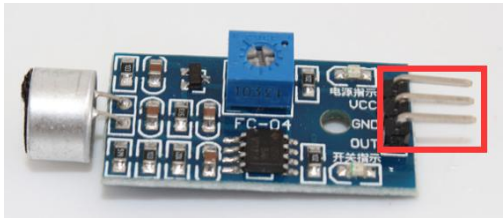
Sound sensor



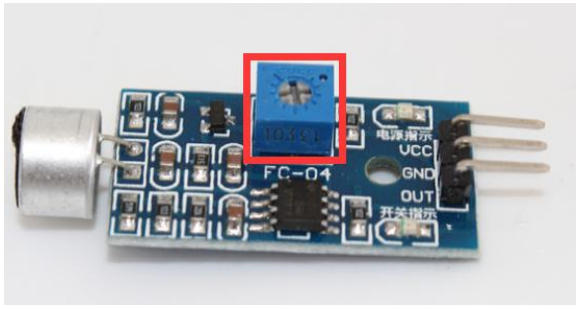
1. Description of Pin



1-1 Position of pin

Pin Name	Description
VCC	3.3V~5V power supply
GND	GND
OUT	Signal output

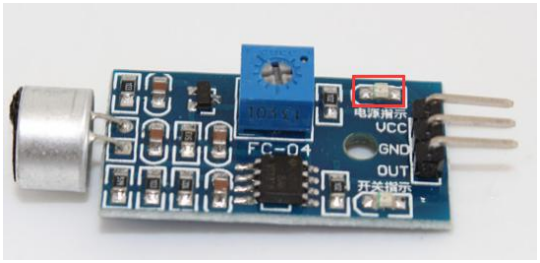
2. Potentiometer



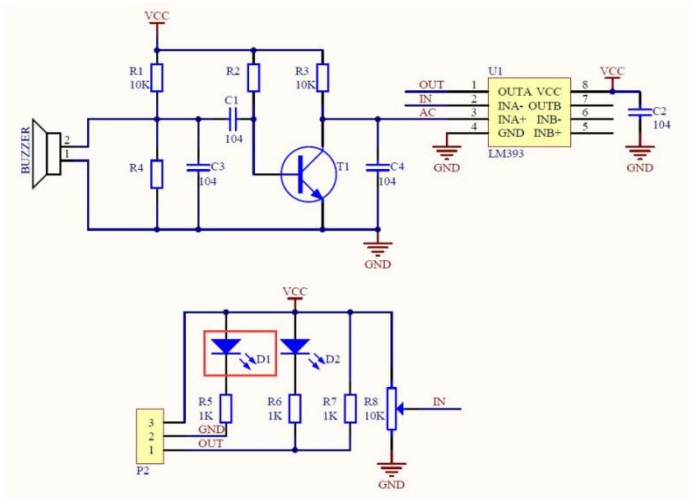
2-1 Position of Potentiometer

It is necessary to adjust the potentiometer of the sound sensor module to optimize the sensitivity.

3.Power indicator light



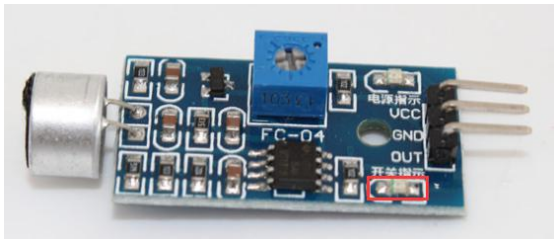
3-1 Position of indicator light



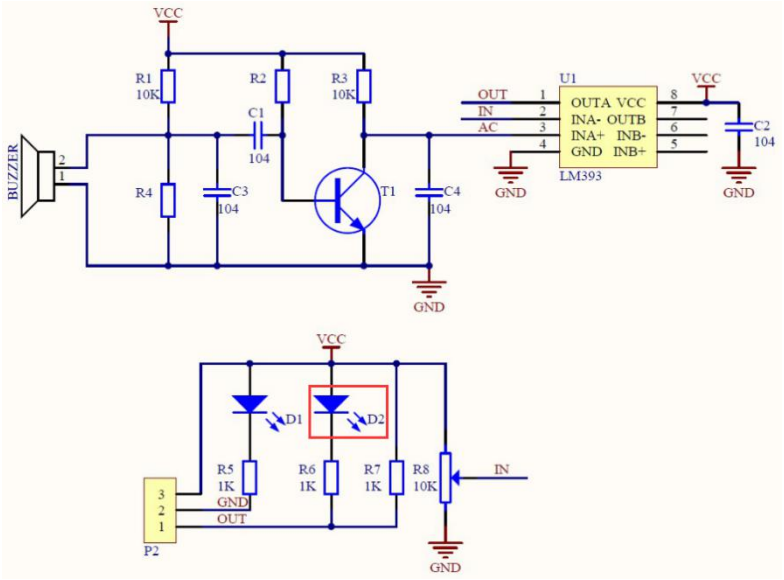
3-2 Schematic

This power indicator will illuminate when the module is powered normally.

4.Switch indicator light



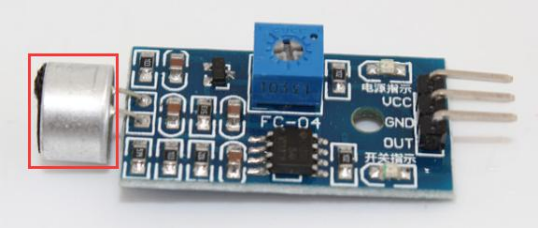
4-1 Position of indicator light



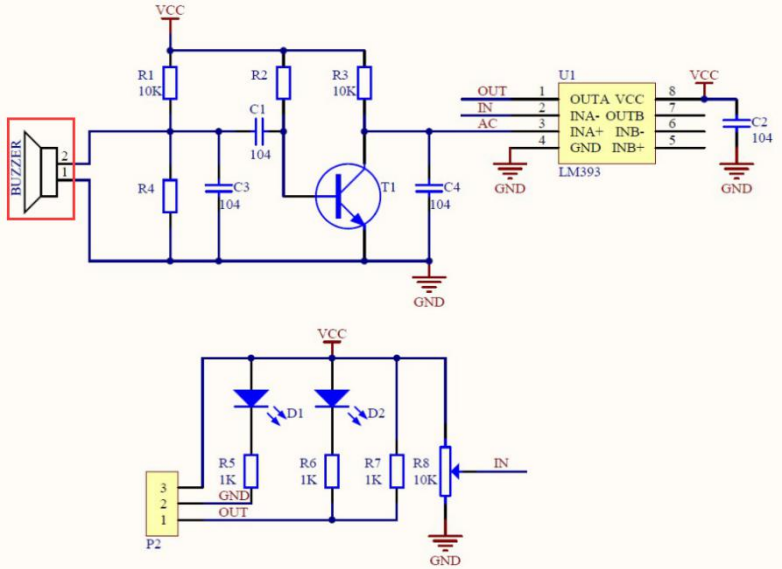
4-2 Schematic

When the sound level reaches the set threshold, this indicator will be illuminated, indicating that the module has recognized the sound in the current environment.

5.Sound receiving head



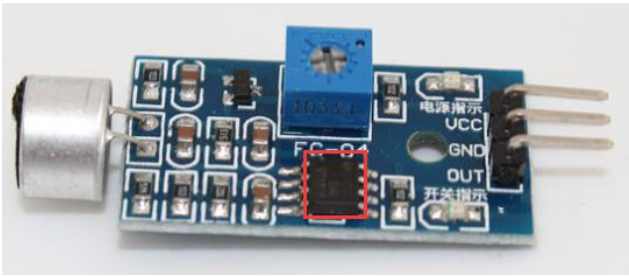
5-1 Position of receiving head



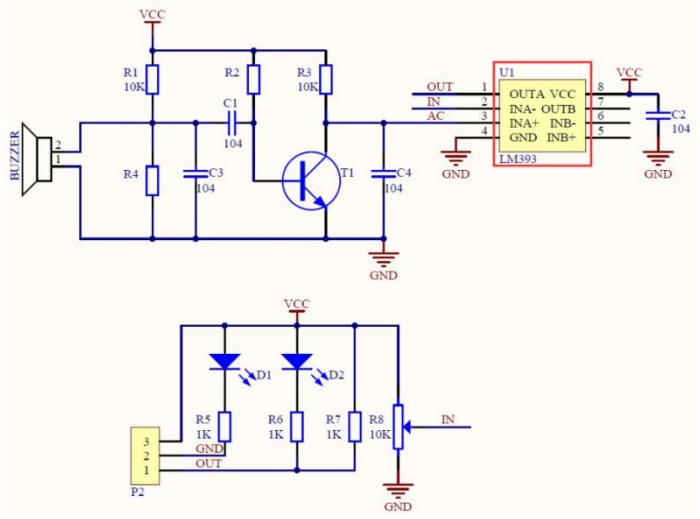
5-2 Schematic

The module receives sound by it, and the sound needs to face the receiver to obtain the best experimental results.

6.MCU



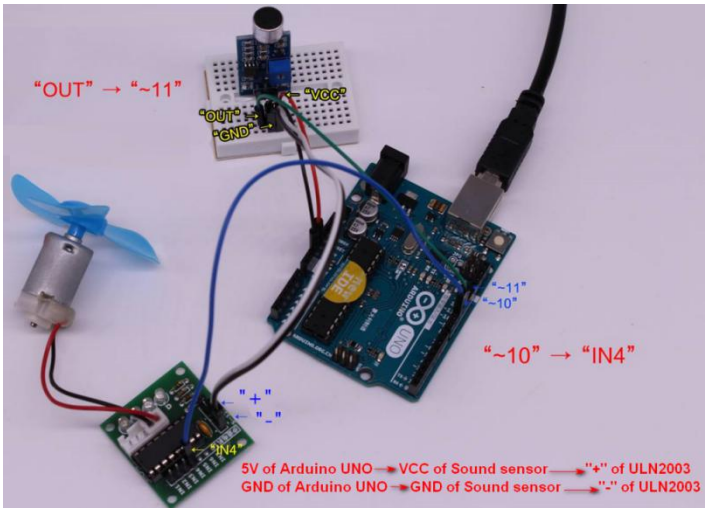
6-1 Position of MCU



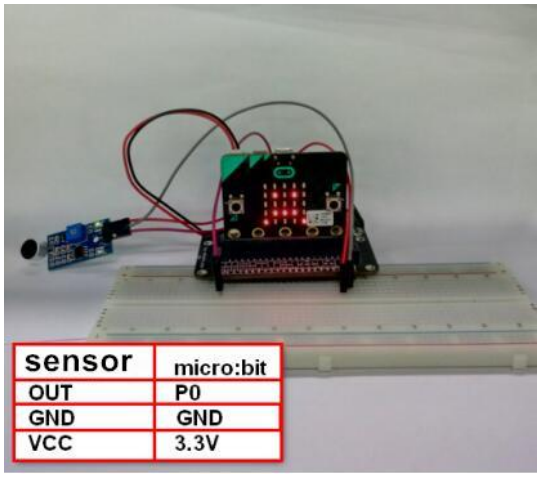
This master chip of module.

Hardware connection: (The definition of the pin can be changed in the program by yourself)

1.Connect to Arduino board.



2.Connect to Micro:bit board.



We will provide Arduino, Micro:bit driver source code.