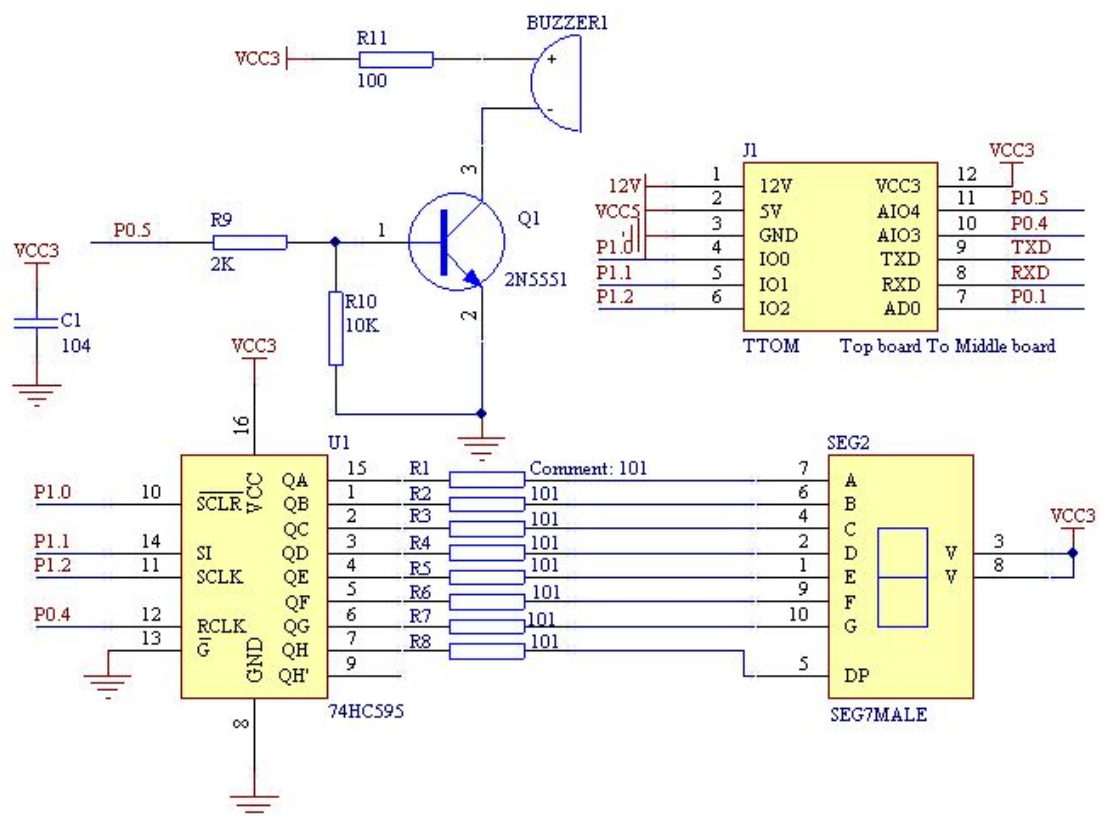
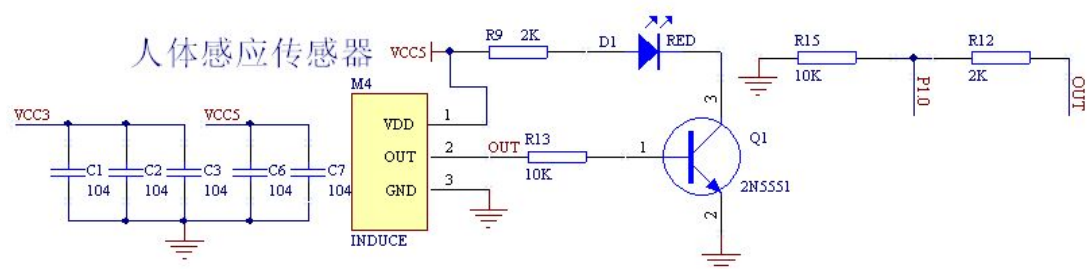
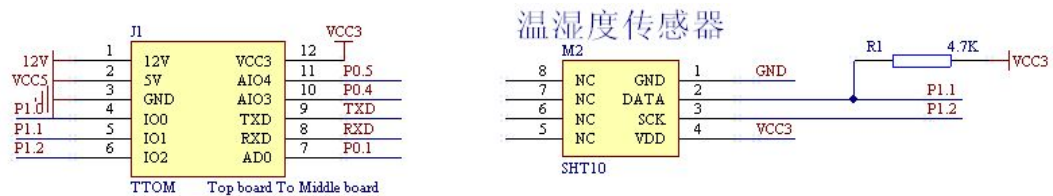


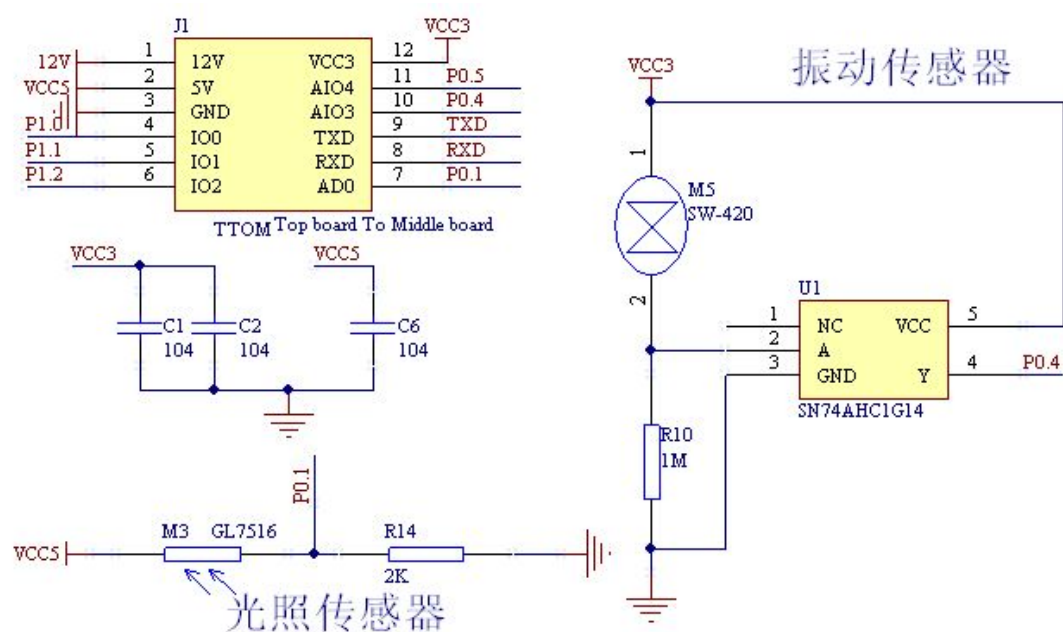
## 一、7 段数码管及蜂鸣器指示板



## 二、温湿度、人体感应传感器板

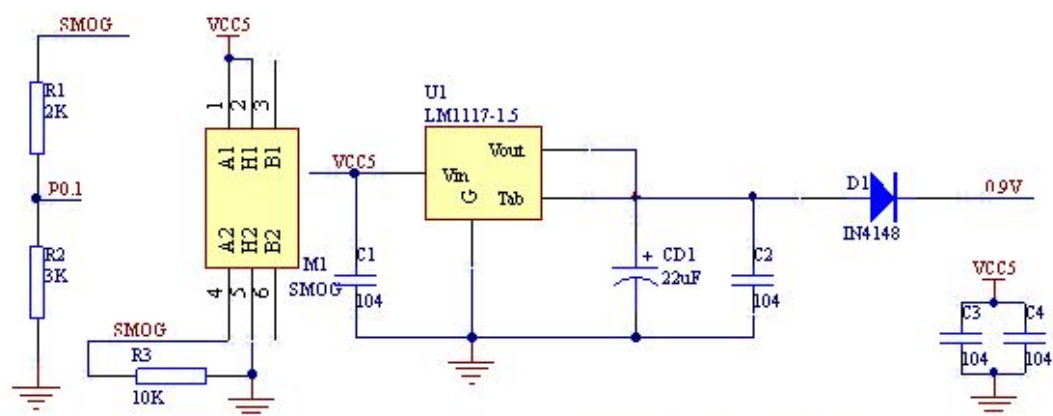


### 三、光照、振动传感器板

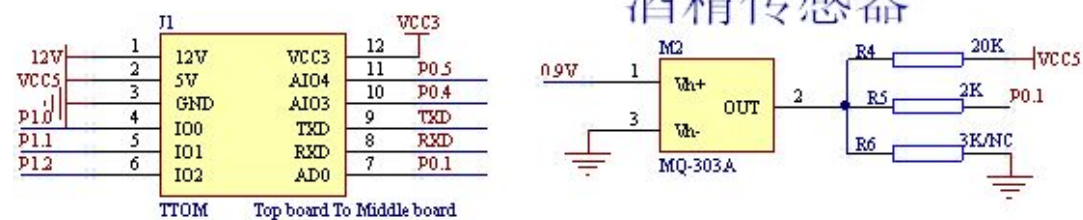


#### 四、烟雾、酒精传感器板

## 烟雾传感器

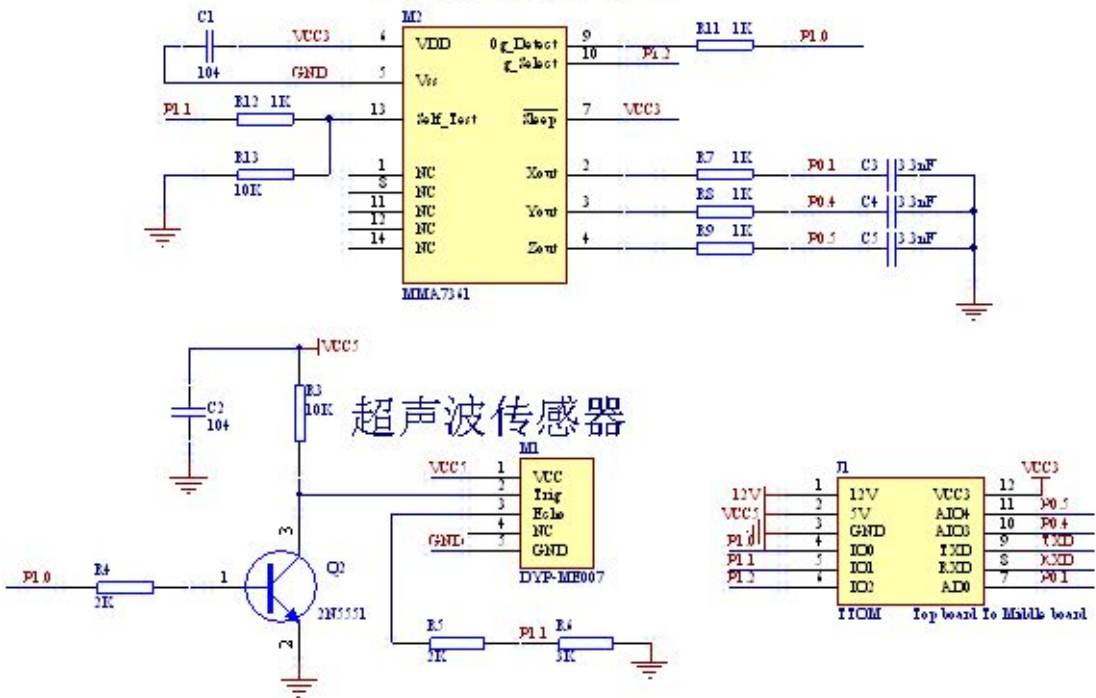


## 酒精传感器



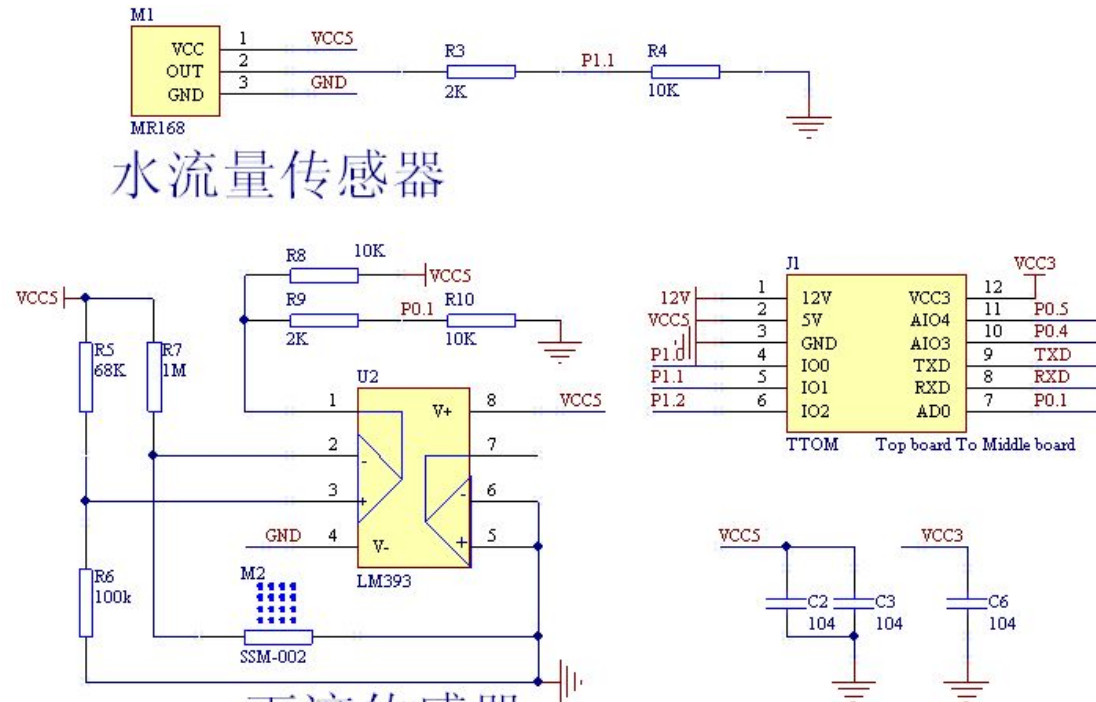
五、超声波、三轴加速度传感器板

三轴加速度传感器



六、水流量、雨滴传感器板

水流量传感器



雨滴传感器

The first diagram shows a 16-pin connector J1 connecting a microcontroller to a CO sensor module. The connections are as follows:

| Microcontroller Pin | Module Pin | Module Label |
|---------------------|------------|--------------|
| 12V                 | 1          | 12V          |
| VCC5                | 2          | 5V           |
| P1.0                | 3          | GND          |
| P1.1                | 4          | IO0          |
| P1.2                | 5          | IO1          |
|                     | 6          | IO2          |
|                     | 7          | AD0          |
|                     | 8          | RXD          |
|                     | 9          | TXD          |
|                     | 10         | P0.4         |
|                     | 11         | P0.5         |
|                     | 12         | VCC3         |

The second diagram shows a voltage divider circuit for the CO sensor's VCC pin. A 12V source is connected to a 2K resistor (R2), which is connected to the VCC pin (pin 1). A 3K resistor (R7) is connected between the VCC pin and ground, providing a 5V supply to the module.

The third diagram shows the CO sensor module's pin connections. The module has 6 pins labeled A1, H1, B1, A2, H2, B2. The connections are as follows:

| Module Pin | Label  |
|------------|--|
| 1          | VCC5   |
| 2          | GND  |
| 4          | CO   |
| 5          | CO (with 10K pull-down resistor R12 to ground) |

## 九、气象气体气压、压力传感器板

### 气象气体压力传感器

