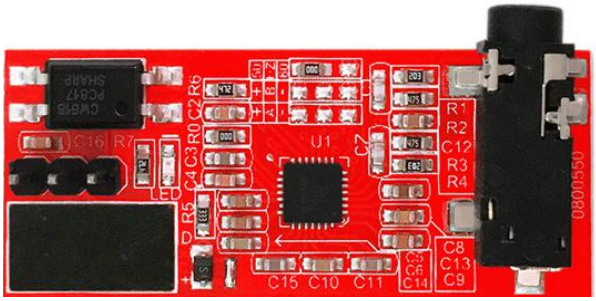
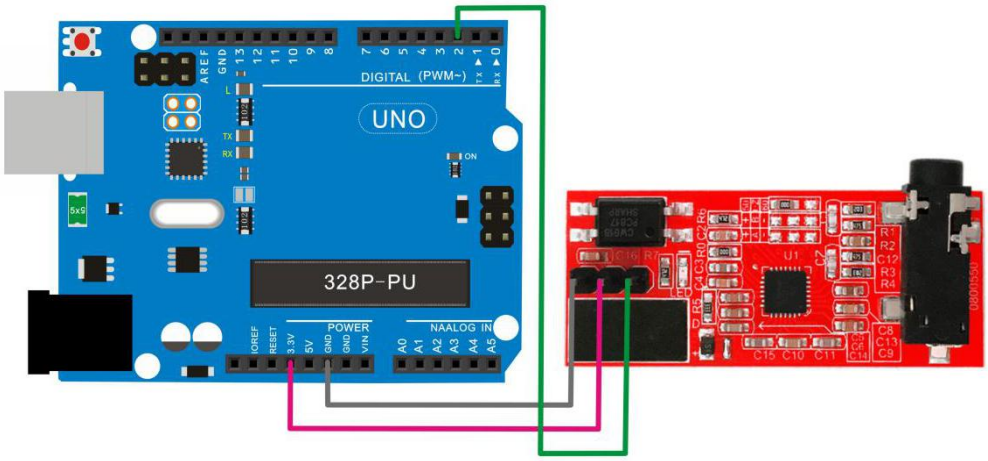
HL8059-3V DC-DC heart rate module



1、Specification:

Operating voltage: DC 3V
Maintain current: 0.01uA
Working current: 1mA
Operating temperature range: -20 ℃ to +60 ℃
Chip: Use the exclusive professional heart rate processing chip
Strong anti-interference: Can choose 50HZ or 60HZ power regulator DC3V power supply (through 50, 60HZ chip resistors)
Size: 41x18x13mm
Weight: 5g

2、Wiring



3、Test program

```
  long time = 0;
long old_time = 0;
long difference = 0;
int heart_reat = 0;

void setup()
{
```

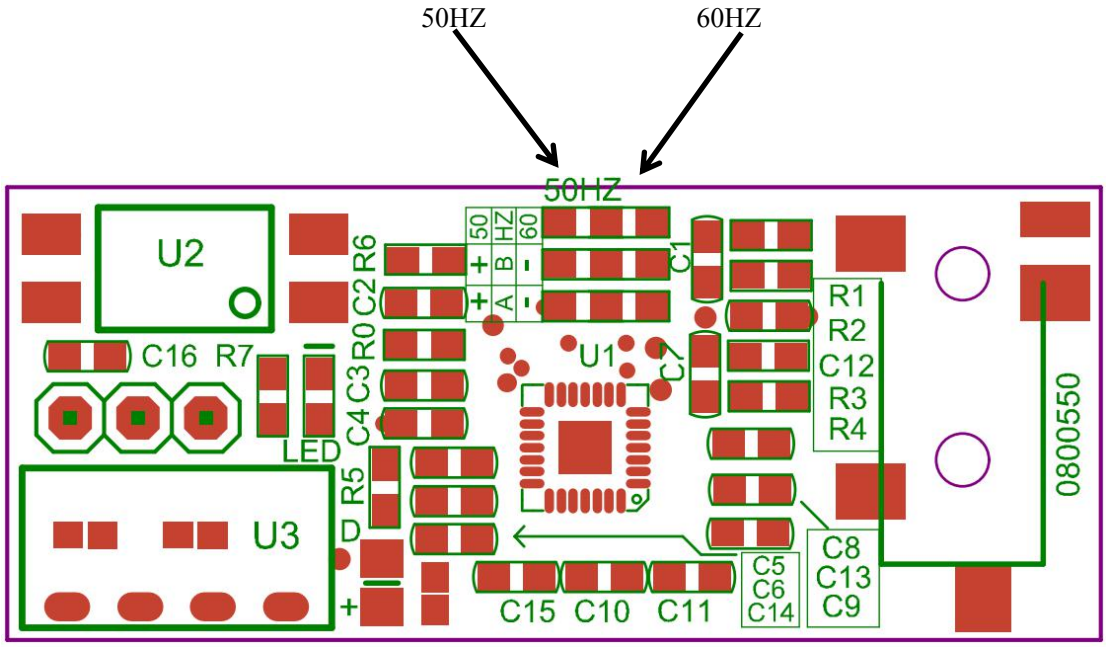
```
    Serial.begin(9600);
    pinMode(2, INPUT);
    attachInterrupt(0, falling, FALLING);
}

// ----------------------------------------------
void loop()
{
}

// ----------------------------------------------
void falling()
{
    time = millis();
    difference = time - old_time;
    old_time = millis();
    heart_reat = 60000 / difference;
    Serial.print(difference);
    Serial.print("    ");
    if(heart_reat < 200)
        Serial.println(heart_reat);
    else
        Serial.println("Over Max");
}
```

4、Setting method

Can choose 50HZ or 60HZ power regulator after the DC3V power supply:
By adjusting the location of the 0 assault patch, as shown below



6、Test result

Insert the cable into the hl8059-3v dc-dc heart rate module, the other end of the connection R to the right atrium, L to the left atrium, COM to the middle of the left and right atrium. Open arduino serial port, baud rate is 9600; On the test board, the D2 lamp was lit with the test man's heart rate, and the test man's heart rate was printed at the same time.