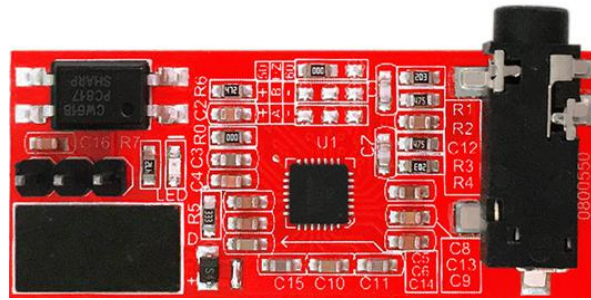


HL8059-3V DC-DC heart rate module



1、 Specification:

Operating voltage: DC 3V

Maintain current: 0.01uA

Working current: 1mA

Operating temperature range: -20 °C to +60 °C

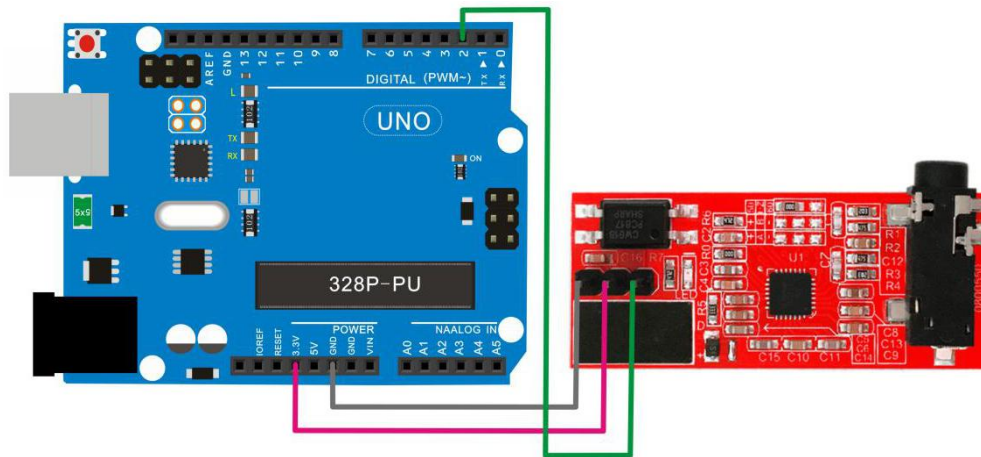
Chip: Use the exclusive professional heart rate processing chip

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);
}

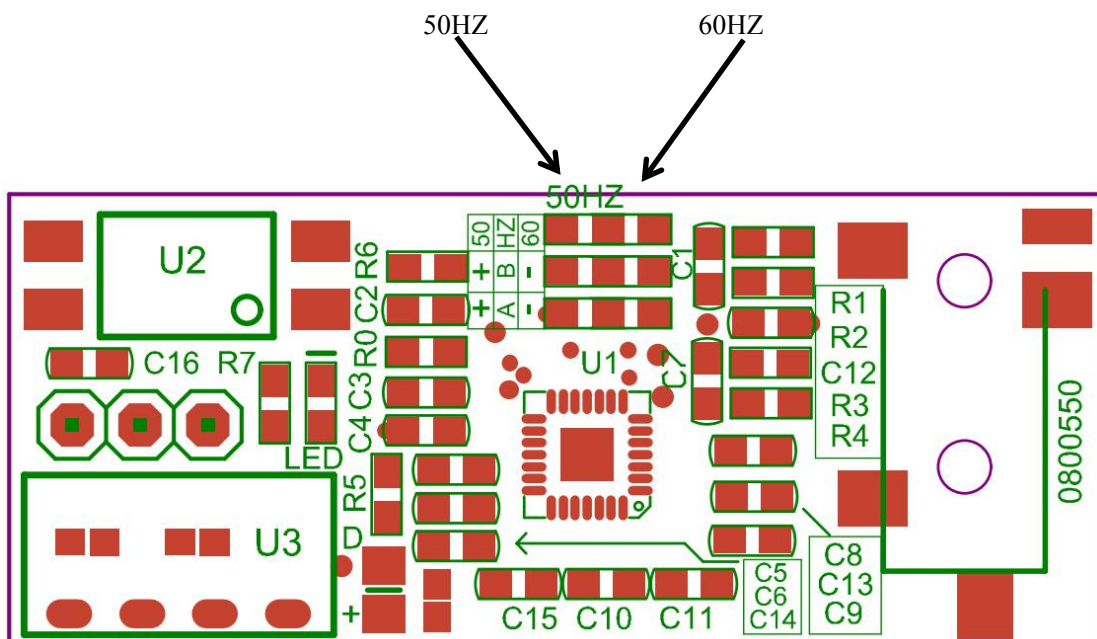
// -----
void loop()
{
}

// -----
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.

