

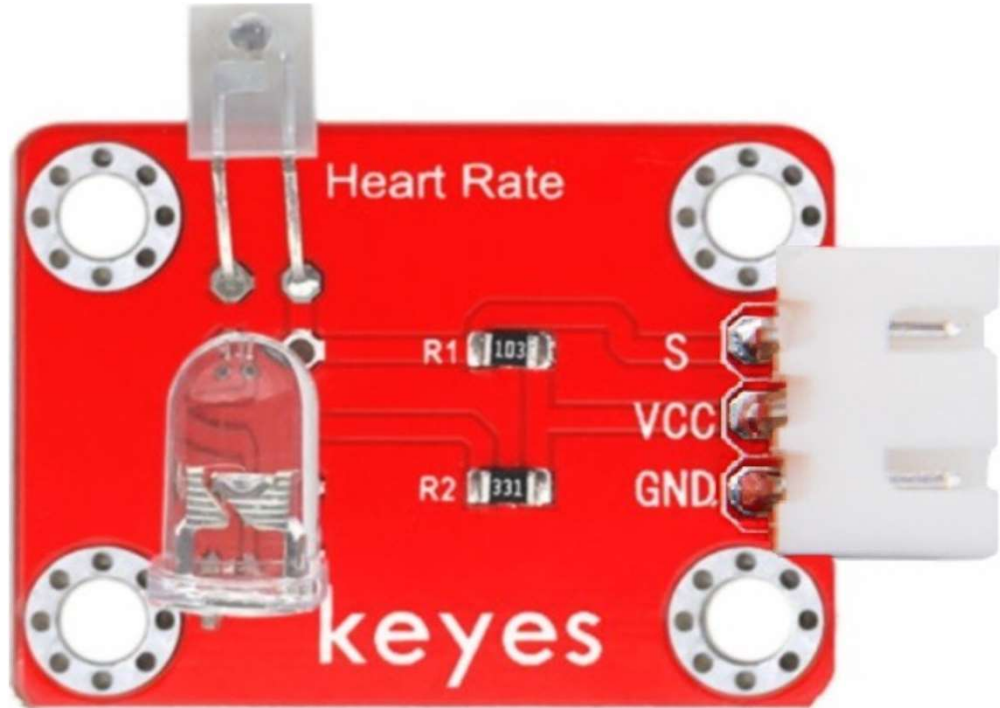
## KE2051 KEYES Finger detection heartbeat module

### Parameters:

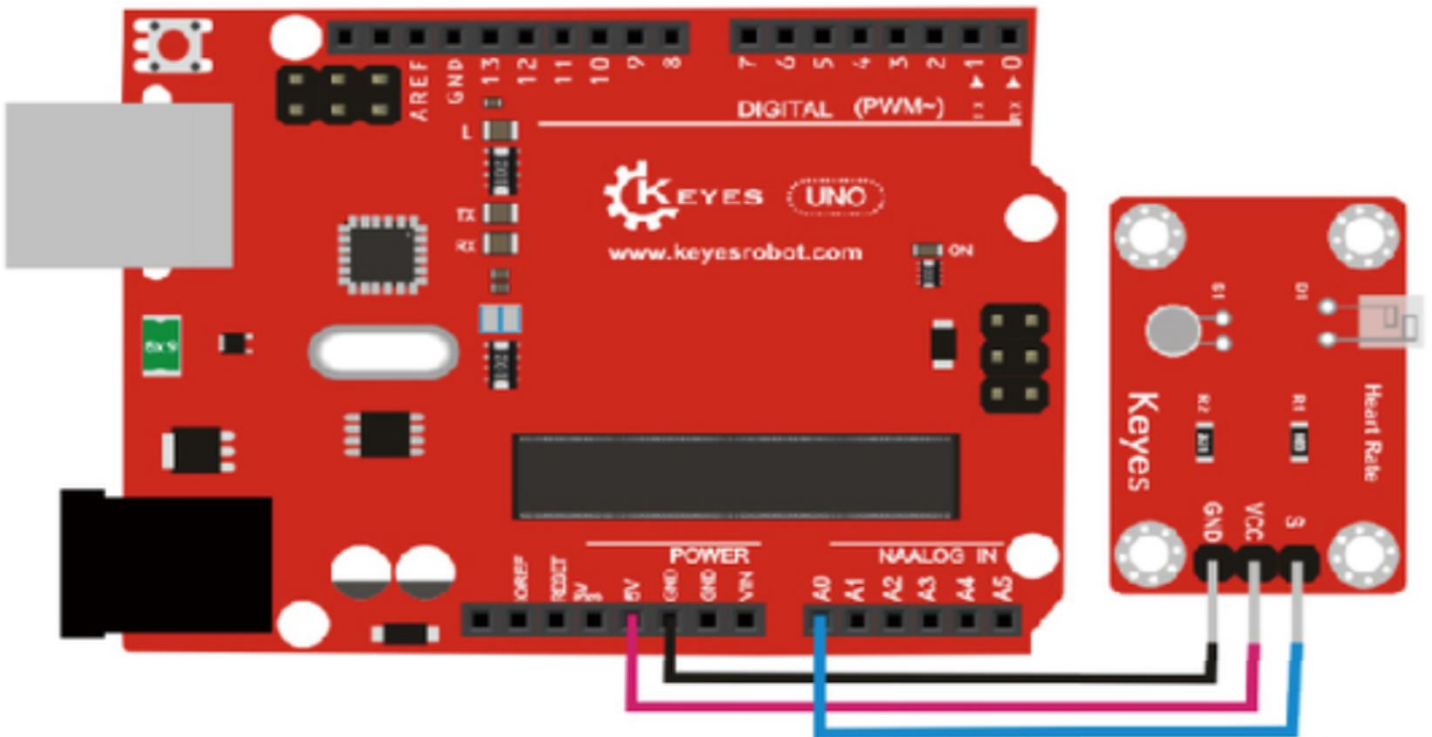
Working Voltage: 3.3 ~ 5VDC

Colour: Red

Size: 35x27x17mm.



### PINOUT Instruction:



### Sample Code:

```
int ledPin = 13;
int sensorPin = 0;
double alpha = 0.75;
int period = 20;
double change = 0.0;
void setup()
{
  pinMode(ledPin, OUTPUT);
  Serial.begin(115200);
}
void loop()
{
  static double oldValue = 0;
  static double oldChange = 0;
  int rawValue = analogRead(sensorPin);
  double value = alpha * oldValue + (1 - alpha) * rawValue;
  Serial.print(rawValue);
  Serial.print(",");
  Serial.println(value);
  oldValue = value;
  delay(period);
}
```

### Result:

Wire it up well as the above diagram, then upload well the code to the board and click the icon of serial monitor on the upper right corner of Arduino software.

Set the baud rate as 115200, you will see the data is displayed on the monitor. You can copy and paste the data to the excel, finally it will generate the corresponding picture shown below.

