PULSE SENSOR
EASY TO USE HEART RATE SENSOR & KIT

General Description

The Pulse Sensor is the original low-cost optical heart rate sensor (PPG) for Arduino and other microcontrollers. It’s designed and made by World Famous Electronics, who actively maintain extensive example projects and code at: www.pulsesensor.com

Features

- Includes Kit accessories for high-quality sensor readings
- Designed for Plug and Play
- Small size and embeddable into wearables
- Works with any MCU with an ADC
- Works with 3 Volts or 5 Volts
- Well-documented Arduino library

Absolute Maximum Ratings

<table>
<thead>
<tr>
<th></th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>-40</td>
<td></td>
<td>+85</td>
<td>°C</td>
</tr>
<tr>
<td>Input Voltage Range</td>
<td>3</td>
<td></td>
<td>5.5</td>
<td>V</td>
</tr>
<tr>
<td>Output Voltage Range</td>
<td>0.3</td>
<td>Vdd</td>
<td>Vdd</td>
<td>V</td>
</tr>
<tr>
<td>Supply Current</td>
<td>3</td>
<td></td>
<td>4</td>
<td>mA</td>
</tr>
</tbody>
</table>

Pulse Sensor Kit Contents

Pulse Sensor Optical Heart Rate Monitor

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Physical Dimensions PCB inch(mm)

- 0.625 (15.8)
- 0.150 (3.6)

Light Sensor

Circuit

Cable Specs

- Length 610 mm (24 inches)
- 26 Gauge
- PVC Insulation, Ribbon Style
- Male Header Termination
  - Black Wire = GND
  - Red Wire = Vdd
  - Purple Wire = Pulse Signal

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