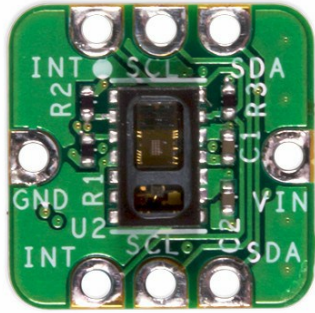




## MAXREFDES117#: HEART-RATE AND PULSE-OXIMETRY MONITOR

SKU 102990649



★★★★★ [Read all 5 reviews](#)

IN STOCK 6 Available

− 1 +

ADD TO CART

Best-sellers

Description

Technical Details

Reviews

Questions and Answers

View History

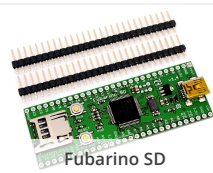
### Best-sellers



Seeeduino Mega(ATmega2...



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### Description

#### What is MAXREFDES117#: HEART-RATE AND PULSE-OXIMETRY MONITOR

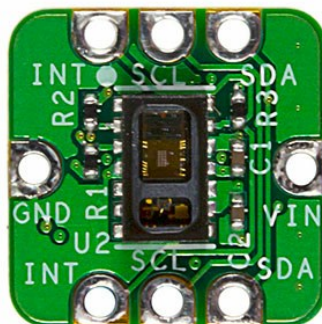
The MAXREFDES117# reference design is a low power, optical heart-rate module complete with integrated red and IR LEDs, and a power supply. It is designed by Maxim Integrated and manufactured by Seeed Studio.

This tiny board, perfect for wearable projects, may be placed on a finger or earlobe to accurately detect heart rate. This versatile module works with both Arduino and mbed platforms for quick testing, development and system integration. A basic, open-source heart-rate and SpO2 algorithm is included in the example firmware.

The board features 8 sewing tap pads for attachment and quick electrical connection to a development platform.

As with all Maxim reference designs, the BOM, schematics, layout files, and Gerber files are all available from the [Design Resources tab](#).

About Maxim Integrated. At Maxim, we invent highly integrated solutions that make technology seamless. We channel our collective expertise to stretch the limits of technology, understand your needs, and help you get to market faster.



#### Key Features

- Optical Heart-Rate Monitor and Pulse Oximetry Solution



|         |          |
|---------|----------|
| Weight  | G.W 3.5g |
| Battery | Exclude  |

## Reviews

★★★★★

extremely small and powerful component I haven't tested the SPO2 capabilities (the sample algorithm is very limited), but you can clearly see the heart beat in both signals, red and infrared, even in other places than finger tip. Online documentation is excellent.

April 18,2017 by [\\*\\*\\*\\*\\*.salvi.work@gmail.com](#)

Was this review helpful ?  0

★★★★★

Good value Slightly handicapped in the sense that the sensor was not Grove Shield ready. Needed to buy a soldering kit and some very minor parts to get going. Also, had to brush up my soldering skills that were lying dormant.

January 05,2017 by [\\*\\*\\*\\*\\*s@gmail.com](#)

Was this review helpful ?  0


**Seed Customer Service:**  
 Thanks for your comment

★★★★★

October 06,2017 by [piro](#)

Was this review helpful ?  0

★★★★★

September 04,2017 by [Anonymous User](#)

Was this review helpful ?  0

★★★★★

August 23,2017 by [\\*\\*\\*\\*\\*1.1@gmail.com](#)

Was this review helpful ?  0

## Questions and Answers

Have a question about this? Ask people who own it.



## View History



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