

SEED-102990649

MAXREFDES117#: HEART-RATE AND PULSE-OXIMETRY MONITOR



PRODUCT DETAILS

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.