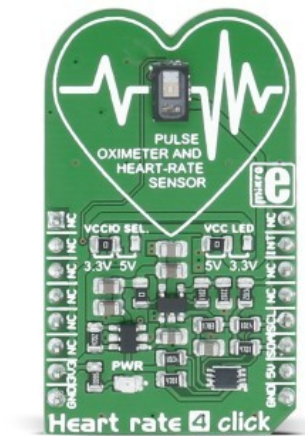


Heart rate 4 Click



PID: MIKROE-2510

Heart rate 4 click carries the [MAX30101](#) high-sensitivity pulse oximeter and heart-rate sensor from [Analog Devices](#).

The click is designed to run on either 3.3V or 5V power supply. It communicates with the target MCU over I2C interface, with additional functionality provided by INT pin on the mikroBUS™ line.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Biometrics
Applications	wearable devices, fitness assistant devices, biomedical devices, etc.
On-board modules	MAX30101 high-sensitivity pulse oximeter and heart-rate sensor
Key Features	Pulse oximetry or SpO2, low power consumption, programmable sample rate
Interface	GPIO,I2C
ClickID	Manifest,No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[Heart rate 3 click Learn Tutorial](#)

[MikroPlot Data Visualization Tool](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[MAX30101 datasheet](#)

[Heart rate 4 click schematic](#)

[Heart rate 4 click example on Libstock](#)

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