



MIKROE-2036

MikroElektronika d.o.o.

[Buy Now](#)



Looking for a discount?

[Check out our current promotions!](#)

Give us a call

1-855-837-4225

International: 1-415-281-3866

Email Us

Sales and New Orders: sales@verical.com

Order Support: support@verical.com

Suppliers: [Visit our seller page](#)

Company Address

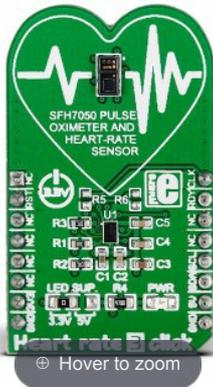
Arrow Electronics, Inc
9201 East Dry Creek Road
Centennial, CO 80112

Heart Rate 3 click

PID: MIKROE-2036

Weight: 24 g

Heart rate 3 click is a mikroBUS add-on board whose functionality is determined by two components: an OSRAM's SFH7050 pulse oximetry and heart rate monitoring module, and a TI AFE4404 (analog-front-end) IC specialized for bio-sensing.



Hover to zoom



Total Rating: ☆☆☆☆☆ **0/5 - 0 reviews**

Add Review

View Reviews

Quantity

1

Quantity	Unit Price
5	
20	

Add to Cart

Looking for customized version of this product?

If you have other questions about this product contact us here.

LEAVE A MESSAGE

DESCRIPTION

SPECIFICATION

TUTORIALS

REVIEWS

Table of contents

1. Downloads

The SFH7050 multichip package contains 3 LEDs and one photodiode separated with a light barrier to prevent optical crosstalk. When the three LEDs shine through a subject's finger, some of the light is absorbed by the pulsating blood.

The analog reading from the SFH7050 is forwarded to the AFE chip that is able to derive pulse readings from the intensity of the reflected light.

AFE4404 is highly-configurable and adaptable for different usage scenarios (different lighting conditions or skin tones) making Heart rate 3 click a robust heart rate monitoring solution.

The board communicates with the target MCU through the mikroBUS™ I2C interface, with additional functionality provided by RST, CLK and RDY pins.

Heart rate 3 click works on a 3.3V power supply, but an onboard jumper allows you to set the voltage for driving the SFH7050 LEDs at either 3.3V or 5V.

Downloads



Heart rate 3 click Examples [↗](#)



Heart rate 3 click Documentation [↗](#)

PRODUCTS IN THE SAME CATEGORY



SHT1x click

Add to cart



LightHz click

.90

Add to cart



Accel click

.00

Add to cart



THERMO click

.00

Add to cart



IrThermo click 5V

.00

Add to cart

Newsletter

Enter your e-mail



Follow us



About Us

[Company Facts](#)
[Leadership](#)
[Hedquarters](#)
[History](#)
[Distributors](#)

My account

[My orders](#)
[My credit slips](#)
[My addresses](#)
[My personal info](#)
[My vouchers](#)

Store Information

MikroElektronika d.o.o., Batajnički drum 23 11186 Belgrade Europe
 Call us now: +381 11 7857600
 Email: sales@mikroe.com
 VAT number: SR105917343

Copyright © 1998 - 2017. MikroElektronika d.o.o. | [Terms and Conditions](#) | [Privacy](#) | [Delivery](#) | [Software Licenses](#)

