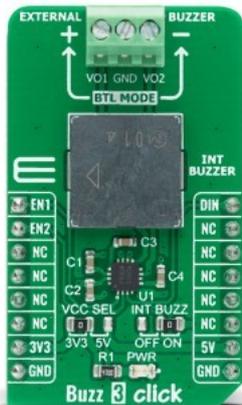


BUZZ 3 Click



PID: MIKROE-4390

Buzz 3 Click is a compact add-on board that contains a sounder driver that produces higher volume with a lower current. This board features the PAM8904, a piezo-sounder driver with an integrated Multi-Mode charge pump boost converter from Diodes Incorporated. With its wide input signal range of 20Hz to 300kHz, the PAM8904 can drive a sounder load of up to 15nF, providing a 9V output. It enables the selection of three different piezo sound pressure levels, keeps current consumption low, and extends battery life by employing built-in automatic shutdown and wake-up functions. This Click board™ is suitable for a variety of battery-powered applications, including medical systems, alarm clocks, home appliances, and security devices.

Buzz 3 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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	Speakers
Applications	Can be used for a variety of battery-powered applications, including medical systems, alarm clocks, home appliances, and security devices.
On-board modules	Buzz 3 Click is based on the PAM8904, a piezo-sounder driver with an integrated Multi-Mode charge pump boost converter from Diodes Incorporated.
Key Features	Low power consumption, high flexibility, built-in automatic shutdown and wake-up features, higher sound pressure level sound output, integrated charge-pump boost converter, and more.
Interface	GPIO, PWM
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Buzz 3 click 2D and 3D files](#)

[PAM8904 datasheet](#)

[Buzz 3 click schematic](#)

[Buzz 3 click example on Libstock](#)

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