

Piezo Accel Click



PID: MIKROE-4559

Piezo Accel Click is a compact add-on board containing an acceleration sensor based on PE technology. This board features the 820M1-0025, a piezoelectric accelerometer designed for embedded monitoring and preventive maintenance applications from TE Connectivity Measurement Specialties. This accelerometer features a stable piezoceramic crystal sealed in a fully hermetic LCC package available in a range from $\pm 25g$ with a flat frequency response up to $>6kHz$. The piezoelectric technology used by this accelerometer has a proven track record for offering the reliable and long-term stable output required for condition monitoring applications where this Click board™ can be used.

Piezo Accel 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	Motion
Applications	Can be used for condition monitoring applications.
On-board modules	820M1-0025 - piezoelectric accelerometer designed for embedded monitoring and preventive maintenance applications from TE Connectivity
Key Features	Piezoelectric accelerometer, wide bandwidth, superior resolution to MEMS devices, low power consumption, and more.
Interface	Analog,SPI
ClickID	No
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

[Piezo Accel click 2D and 3D files](#)

[Piezo Accel click schematic](#)

[LTC1864 datasheet](#)

[820M1 datasheet](#)

[Piezo Accel click example on Libstock](#)

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