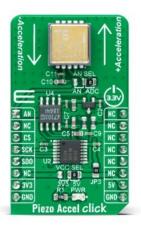


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Piezo Accel Click





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 $^{\text{TM}}$ can be used.

Piezo Accel Click is supported by a $\underline{\mathsf{mikroSDK}}$ compliant library, which includes functions that simplify software development. This $\underline{\mathsf{Click}}$ board $\underline{\mathsf{mikroBUS}}$ comes as a fully tested product, ready to be used on a system equipped with the $\underline{\mathsf{mikroBUS}}$ 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.





health and safety management system.



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Specifications

Туре	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

<u>mikroBUS™</u>

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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