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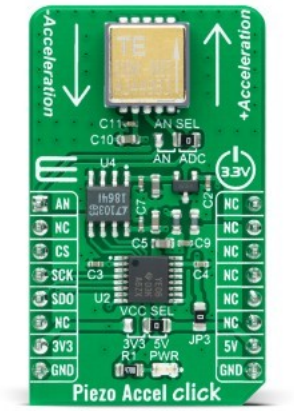
# Piezo Accel Click





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 ±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.

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# 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