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# Vibra Sense 2 Click





PID: MIKROE-4355

Vibra Sense 2 Click is a compact add-on board that contains a piezo sensor suitable for vibration measurements. This board features the LDT0-028K, a flexible 28  $\mu m$  thick piezoelectric PVDF polymer film with screen-printed silver ink electrodes, laminated to a 0.125 mm polyester substrate, and fitted with two crimped contacts from TE Connectivity. The sensing element of the LDT0-028K comprises a cantilever beam loaded by an additional mass to offer high sensitivity at low frequencies. Some features of this Click board™ like flexibility, high sensitivity, and performance make it an excellent choice for vibrating sensing applications, security systems, body movement, and many more.

Vibra Sense 2 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<sup>™</sup> 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	Force
Applications	Can be used for vibrating sensing applications, security systems, body movement, and many more.
On-board modules	Vibra Sense 2 Click is based on the LDT0-028K, a flexible 28 µm thick piezoelectric PVDF polymer film with screen-printed silver ink electrodes, laminated to a 0.125 mm polyester substrate, and fitted with two crimped contacts from TE Connectivity.
Key Features	Low power consumption, high sensitivity, excellent measuring performance, high receptivity for strong impacts with a wide dynamic range, and more.
Interface	I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

#### **Resources**

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

#### **Downloads**

Vibra Sense 2 click 2D and 3D files

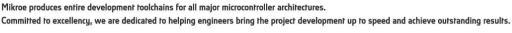
Vibra Sense 2 click example on Libstock

MCP3221 datasheet

MCP6282 datasheet

Vibra Sense 2 click schematic

LDT0-028K datasheet







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