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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 μ 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 $^{\text{TM}}$ 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 $^{\text{\tiny M}}$ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS $^{\text{\tiny M}}$ 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.









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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
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

www.mikroe.com

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

Vibra Sense 2 click 2D and 3D files

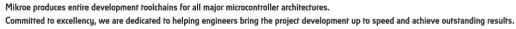
Vibra Sense 2 click example on Libstock

MCP3221 datasheet

MCP6282 datasheet

Vibra Sense 2 click schematic

LDT0-028K datasheet







health and safety management system.