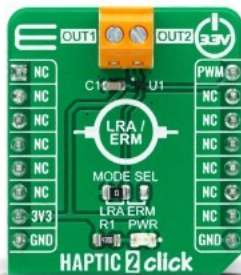


HAPTIC 2 Click



PID: MIKROE-4452

HAPTIC 2 Click is a compact add-on board that contains a linear vibration driver. This board features the LC898302AXA, a motor driver dedicated to LRA and ERM applications from [ON Semiconductor](#). Controlled by only one pin, it allows crisp vibration thanks to automatic braking and over-driving feature and ignores the deviation of resonance frequency thanks to auto-tuning function. The original driving waveform will enable you to reduce power consumption, and it is helpful to maintain battery lifetime. This Click board™ is suitable for numerous everyday applications such as indicator systems, game consoles, training equipment/simulators with haptics function, robotics and mechatronics, and many more.

HAPTIC 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™](#) 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	Haptic
Applications	Can be used for numerous everyday applications such as indicator systems, game consoles, training equipment/simulators with haptics function, robotics and mechatronics, and many more.
On-board modules	LC898302AXA - linear vibration motor driver dedicated to LRA (Linear Resonant Actuator) and ERM (Eccentric Rotating Mass) applications from ON Semiconductor
Key Features	Low power consumption, automatic adjustment to the resonance frequency for LRA, adjustable drive and brake voltage, low driving noise, available to drive a LRA and ERM, and more.
Interface	PWM
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[HAPTIC 2 click 2D and 3D files](#)

[LC898302AXA datasheet](#)

[HAPTIC 2 click schematic](#)

[HAPTIC 2 click example on Libstock](#)

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