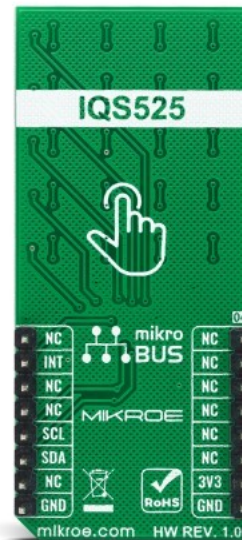


Touchpad 2 Click



PID: MIKROE-4594

Touchpad 2 Click is a compact add-on board that easily integrates projected capacitive touch into their applications. This board features the IQS525, a projected capacitive touch and proximity trackpad/touchscreen controller from [Azoteq](#). It features best in class sensitivity, signal-to-noise ratio, and automatic tuning of electrodes, in addition to the multi-touch and multi-hover feature. This Click board™ is characterized by embedded gesture engine recognition for simple gestures (tap, swipes, hold), as well as built-in noise detection and filtering. This Click board™ is suitable for human-machine interfaces, keypad or scrolling functions, single-finger gesture-based interfaces, and more.

Touchpad 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	Capacitive
Applications	Can be used for human-machine interfaces, keypad or scrolling functions, single-finger gesture-based interfaces, and more.
On-board modules	IQS525 - capacitive sensing controller designed for multitouch application using projected capacitance touch panel from Azoteq
Key Features	Multi-touch and multi-hover support, automatic drift compensation, embedded gesture engine recognition for simple gestures (tap, swipes, hold), and more.
Interface	I2C
ClickID	No
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[TouchPad 2 click schematic](#)

[IQS525 datasheet](#)

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

[TouchPad 2 click example on Libstock](#)

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