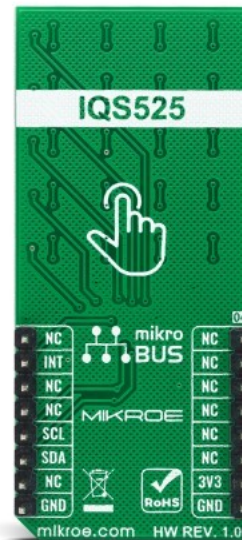# Touchpad 2 Click

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.

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