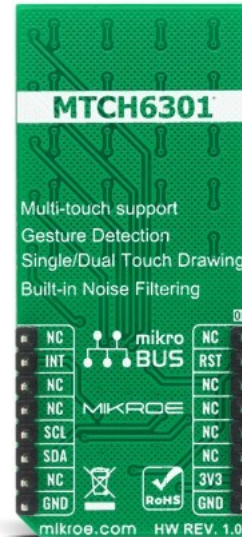# Touchpad 3 Click

PID: MIKROE-4382

Touchpad 3 Click is a compact add-on board that allows users to easily integrate projected capacitive touch into their applications. This board features the MTCH6301, a turnkey capacitive touch controller that makes it easy for users to use popular multitouch and gesture interfaces from Microchip. This controller's sophisticated combination of Self and Mutual capacitive scanning for XY touchscreens and touchpads enables several features, including single and dual-touch drawing, the reporting of 11 single-finger gestures, and the detection of up to 10 touches. This Click board™ is suitable for human-machine interfaces, keypad or scrolling functions, single-finger gesture-based interfaces, and more.

Touchpad 3 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.

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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	Touchpad 3 Click is based on the MTCH6301, a turnkey capacitive touch controller that allows users to quickly and easily integrate projected capacitive touch into their applications from Microchip.
Key Features	Multi-touch feature, gesture detection and reporting, single and dual touch drawing, self and mutual signal acquisition, and more.
Interface	I2C
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

MTCH6301 datasheet

Touchpad 3 click 2D and 3D files

Touchpad 3 click example on Libstock

Touchpad 3 click schematic