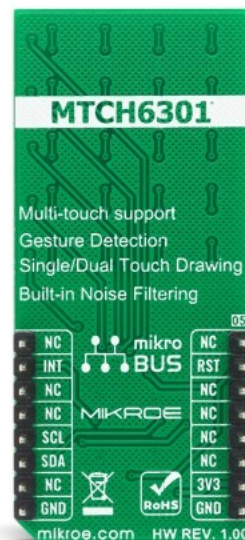


Touchpad 3 Click



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.

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	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
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

[MTCH6301 datasheet](#)

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

[Touchpad 3 click example on Libstock](#)

[Touchpad 3 click schematic](#)

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).