

Touchpad 5 Click



PID: MIKROE-5199

Touchpad 5 Click is a compact add-on board that easily integrates projected capacitive touch into user's applications. This board features the [IQS550](#), a projected capacitive touch and proximity trackpad/touchscreen controller from [Azoteq](#). Its low power proximity detection allows a low power operation offering a complete touchscreen sensing solution with a 29x23mm trackpad dimension, best-in-class sensitivity, and power consumption. It is characterized by embedded gesture engine recognition for simple gestures (touch and snap on each channel, single- and multi-finger gestures) and built-in noise detection and filtering. This Click board™ is suitable for human-machine interfaces, capacitive keyboards, gesture-based interfaces, remote control trackpads, and more.

Touchpad 5 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, capacitive keyboards, gesture-based interfaces, remote control trackpads, and more |
| On-board modules | IQS550 - projected capacitive touch and proximity trackpad/touchscreen controller from Azoteq |
| Key Features | Proximity, touch and snap on each channel, multi-touch support up to 5 fingers, single and multi-finger gestures, high performance with high sensitivity, I2C interface, 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

[Touchpad 5 click example on Libstock](#)

[IQS550 datasheet](#)

[Touchpad 5 click 2D and 3D files](#)

[Touchpad 5 click schematic](#)

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