

Cap Touch 6 Click



PID: MIKROE-5517

Cap Touch 6 Click is a compact add-on board that easily integrates projected capacitive touch into users' applications. This board features the [IQS227D](#), a single-channel capacitive controller with an internal voltage regular and reference capacitor from [Azoteq](#). Besides the capacitive sensing area, this board also has output pins for proximity and touch events with their corresponding LED indicators. The IQS227D automatically tracks slow varying environmental changes via various filters. This Click board™ offers reliable and accurate sensing for any human-machine interface application that uses capacitive touch sensing functions.

Cap Touch 6 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 any human-machine interface application that uses capacitive touch sensing functions
On-board modules	IQS227D - single-channel capacitive touch and proximity controller from Azoteq
Key Features	Low power mode while sensing proximity, automatic tuning of sense electrode, advanced on-chip digital signal processing, low power consumption, touch and proximity LED indicators, protective acrylic plexiglass layer, and more
Interface	GPIO
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Cap Touch 6 click example on Libstock](#)

[Cap Touch 6 click 2D and 3D files](#)

[IQS227D datasheet](#)

[Cap Touch 6 click schematic](#)

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