

CapSense 2 Click



PID: MIKROE-4982

CapSense 2 Click is a compact add-on board that easily integrates projected capacitive touch into user's applications. This board features the CAP1114, a multi-channel capacitive touch sensor that takes human body capacitance as an input and directly provides the real-time sensor information via the I2C serial interface from Microchip. This board contains capacitive sensing elements, a 7-segment slider, two buttons, and four LED indicators that visually detect the activation on some of these parts. This Click board™ offers reliable and accurate sensing for any application that uses capacitive touch sensing functions.

CapSense 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.

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 reliable and accurate sensing for any application that uses capacitive touch sensing functions
On-board modules	CAP1114 - multi-channel capacitive touch sensor from Microchip
Key Features	Slider with acceleration and position detection, programmable sensitivity, low power consumption, automatic recalibration, I2C interface, two touch buttons, LED indicators, 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

[CapSense 2 click example on Libstock](#)
[CAP1114 datasheet](#)
[CapSense 2 click schematic](#)
[CapSense 2 click 2D and 3D files](#)

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