MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918

Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

www.mikroe.com

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 <u>IOS227D</u>, a single-channel capacitive controller with an internal voltage regular and reference capacitor from Azoteg. 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 <u>Click board™</u> 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.







MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com

www.mikroe.com

Specifications

Туре	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™

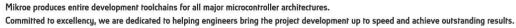
Downloads

Cap Touch 6 click example on Libstock

Cap Touch 6 click 2D and 3D files

IOS227D datasheet

Cap Touch 6 click schematic







health and safety management system.