

## Joystick 3 Click



PID: MIKROE-5378

**Joystick 3 Click** is a compact add-on board that can fulfill your directional analog input needs. This board features [2765](#), a high-quality mini 2-axis analog output thumbstick from Adafruit Industries. This small joystick is a 'self-centering' analog-type with a black rocker cap similar to the PSP joysticks. It comprises two 10kΩ potentiometers, one for up/down and another for left/right direction. Knowing that this joystick represents an analog type, it connects with mikroBUS™ through the SPI interface through the MCP3204 12-bit A/D converter. This Click board™ is suitable for numerous applications as a human-machine interface device (HMI), robotics, and other control interfaces.

Joystick 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	Pushbutton/Switches
Applications	Can be used for numerous applications as a human-machine interface device (HMI), robotics, and other control interfaces
On-board modules	2765 - mini 2-axis analog-type thumbstick from Adafruit Industries
Key Features	Low power consumption, high quality, high mechanical and electrical durability, self-centering feature, 2-axis, SPI interface, and more
Interface	SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[Joystick 3 click example on Libstock](#)

[MCP3204 datasheet](#)

[2765 datasheet](#)

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

[Joystick 3 click schematic](#)

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