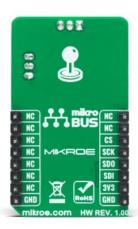


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## Joystick 3 Click





PID: MIKROE-5378

**Joystick 3 Click** is a compact add-on board that can fulfill your directional analog input needs. This board features  $\underline{2765}$ , 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  $10k\Omega$  potentiometers, one for up/down and another for left/right direction. Knowing that this joystick represents an analog type, it connects with mikroBUS<sup>TM</sup> 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  $\underline{\mathsf{mikroSDK}}$  compliant library, which includes functions that simplify software development. This  $\underline{\mathsf{Click}}$  board $^{\mathsf{TM}}$  comes as a fully tested product, ready to be used on a system equipped with the  $\underline{\mathsf{mikroBUS}}^{\mathsf{TM}}$  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.





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## **Specifications**

Туре	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

<u>mikroBUS™</u>

**mikroSDK** 

Click board™ Catalog

Click Boards™

## **Downloads**

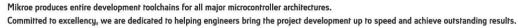
Joystick 3 click example on Libstock

MCP3204 datasheet

2765 datasheet

Joystick 3 click 2D and 3D files

<u>Joystick 3 click schematic</u>







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