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.

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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
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

mikroBUS™
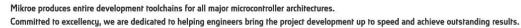
mikroSDK

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