

DIGI POT 8 Click



PID: MIKROE-4596

DIGI POT 8 Click is a compact add-on board used as a digitally controlled potentiometer. This board features the [AD5206](#), 6-channel 256-position digitally controlled variable resistor device from [Analog Devices](#). Each channel of the AD5206 contains a fixed resistor with a wiper contact that taps the fixed resistor value of 100kΩ at a point determined by a digital code loaded into the SPI-compatible serial-input register. This Click board™ can be used as mechanical potentiometer replacements, voltage-to-current conversions, gain and offset adjustment, and many other applications.

DIGI POT 8 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	Digital potentiometer
Applications	Can be used as mechanical potentiometer replacements, voltage-to-current conversions, gain and offset adjustment, and many other applications
On-board modules	AD5206 - 6-channel 256-position digitally controlled device that performs the same electronic adjustment function as a potentiometer or variable resistor from Analog Devices
Key Features	256 positions, 6 independently programmable channels, potentiometer replacement, terminal resistance of 100kΩ, SPI compatible, and more
Interface	Analog
ClickID	No
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

[DIGI POT 8 click 2D and 3D files](#)
[DIGI POT 8 click schematic](#)
[DIGI POT 8 click example on Libstock](#)
[AD5206 datasheet](#)

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