

DIGI POT 14 Click



PID: MIKROE-5814

DIGI POT 14 Click is a compact add-on board that contains a digitally controlled potentiometer. This board features the [TPL0102](#), a dual-channel digital potentiometer with non-volatile memory from [Texas Instruments](#). It is a 100K resistance end-to-end potentiometer with a 256-position resolution, where the wiper position can be stored in EEPROM. It can operate from both 3.3V and 5V power supplies and provides a typical 92ppm/°C end-to-end nominal resistance temperature coefficient and only 4ppm/°C ratiometric. This Click board™ makes the perfect solution for developing adjustable gain amplifiers and offset timing, adjustable power supplies, precision calibration of set point thresholds, sensor timing and calibration, and more.

DIGI POT 14 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 for developing adjustable gain amplifiers and offset timing, adjustable power supplies, precision calibration of set point thresholds, sensor timing and calibration, and more
On-board modules	TPL0102 - dual-channel digital potentiometer with non-volatile memory from Texas Instruments
Key Features	Dual-channel, linear-taper digital potentiometer, can be used as a three-terminal potentiometer, or a two-terminal rheostat, non-volatile memory for storing wiper position, 256-position resolution, single-supply, fast power-up response time to wiper settings, 100K end-to-end resistance, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[DIGI POT 14 click example on Libstock](#)

[TPL0102-EP datasheet](#)

[DIGI POT 14 click 2D and 3D files](#)

[DIGI POT 14 click schematic](#)

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