

Stepper 14 Click



PID: MIKROE-4125

The **Stepper 14 Click** is a Click board™ that features the [DRV8847PWP](#), a step motor driver, from [Texas Instruments](#). This Click board™ provides a bipolar step motor control. It features an H-bridge bipolar step motor driver, which supports full-, half-, quarter-, or eighth-step modes. This click board™ also carries a port expander so that the communication can be done with a minimal number of pins, through the mikroBUS™ I2C bus. This click board™ offers thermal protection, integrated kickback voltage protection, it has a wide range of input voltage, protection against current shoot-through the H-Bridge and high current capability. These features make Stepper 14 click an ideal solution for driving motors in any application that demands a precise and safe step motor driver.

Stepper 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	Stepper
Applications	Refrigerator damper and ice maker, Washers, dryers and dishwashers, Electronic point-of-sale (ePOS) printers , Stage lighting equipment, Miniature circuit breakers and smart meters etc.
On-board modules	DRV8847PWPR Dual Full-Bridge 18V, 1A, Stepper Motor Driver, from Texas Instruments; PCA9538A 8bit I/O Expander with Serial Interface, from NXP
Key Features	Dual H-bridge motor driver, Single or dual brushed DC motors, One bipolar stepper motor, Solenoid loads, Multiple control interface options.
Interface	GPIO,I2C
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

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

[PCA9538A datasheet](#)

[DRV8847 datasheet](#)

[Stepper 14 click example on Libstock](#)

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).

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Power Management IC Development Tools](#) category:

Click to view products by [MikroElektronika](#) manufacturer:

Other Similar products are found below :

[EVB-EP5348UI](#) [MIC23451-AAAYFL EV](#) [MIC5281YMME EV](#) [124352-HMC860LP3E](#) [DA9063-EVAL](#) [ADP122-3.3-EVALZ](#) [ADP130-0.8-EVALZ](#) [ADP130-1.8-EVALZ](#) [ADP1740-1.5-EVALZ](#) [ADP1870-0.3-EVALZ](#) [ADP1874-0.3-EVALZ](#) [ADP199CB-EVALZ](#) [ADP2102-1.25-EVALZ](#) [ADP2102-1.875EVALZ](#) [ADP2102-1.8-EVALZ](#) [ADP2102-2-EVALZ](#) [ADP2102-3-EVALZ](#) [ADP2102-4-EVALZ](#) [AS3606-DB](#) [BQ25010EVM](#) [BQ3055EVM](#) [ISLUSBI2CKIT1Z](#) [LP38512TS-1.8EV](#) [EVAL-ADM1186-1MBZ](#) [EVAL-ADM1186-2MBZ](#) [ADP122UJZ-REDYKIT](#) [ADP166Z-REDYKIT](#) [ADP170-1.8-EVALZ](#) [ADP171-EVALZ](#) [ADP1853-EVALZ](#) [ADP1873-0.3-EVALZ](#) [ADP198CP-EVALZ](#) [ADP2102-1.0-EVALZ](#) [ADP2102-1-EVALZ](#) [ADP2107-1.8-EVALZ](#) [ADP5020CP-EVALZ](#) [CC-ACC-DBMX-51](#) [ATPL230A-EK](#) [MIC23250-S4YMT EV](#) [MIC26603YJL EV](#) [MIC33050-SYHL EV](#) [TPS60100EVM-131](#) [TPS65010EVM-230](#) [TPS71933-28EVM-213](#) [TPS72728YFFEVM-407](#) [TPS79318YEQEVM](#) [UCC28810EVM-002](#) [XILINXPWR-083](#) [LMR22007YMINI-EVM](#) [LP38501ATJ-EV](#)