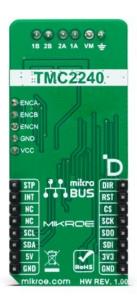
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918

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## Silent Step 4 Click





PID: MIKROE-5980

Silent Step 4 Click is a compact add-on board representing a completely integrated step motor driver solution. This board features the TMC2240, a smart integrated stepper driver from Analog Devices. The driver is based on a 256 micro-steps built-in indexer, two fully integrated H-Bridges, and non-dissipative integrated current sensing (ICS). The two H-Bridges can drive motors of up to 36V and 3A at max. This Click board™ makes the perfect solution for the development of textile industry machines, lab and factory automation, 3D printers, and more.

Silent Step 4 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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	Stepper
Applications	Can be used for the development of textile industry machines, lab and factory automation, 3D printers, and more
On-board modules	TMC2240 - smart integrated stepper driver from Analog Devices
Key Features	Two H-Bridges, fully integrated lossless current sensing, wide external voltage range, incremental encoder interface, high micro-step resolution, thermal shutdown, short protection, diagnostics, StallGuard2, StallGuard4, overvoltage protection, and more
Interface	I2C,SPI
ClickID	Yes
Compatibility	mikroBUS™
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V,External

www.mikroe.com

## Resources

<u>mikroBUS™</u>

**mikroSDK** 

Click board™ Catalog

Click boards™

## **Downloads**

PCA9538A datasheet

TMC2240 datasheet

Silent Step 4 click 2D and 3D files

Silent Step 4 click schematic

Silent Step 4 click example on Libstock

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health and safety management system.