

Stepper 8 Click



PID: MIKROE-4157

Stepper 8 Click is a motor control add on board based on [TC78H670FTG](#) from [Toshiba](#), a clock-in and serial controlled Bipolar Stepping Motor Driver which can drive a 128 micro-stepping motor with a power supply ranging from 2.5V to 16V for wide range of applications includes USB-powered, battery-powered, and standard 9-12V system devices. A perfect solution for driving stepper motors in security cameras, portable printers, handheld scanners, pico-projectors, smartphones and many more.

Stepper 8 Click board™ 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	Security cameras, portable printers, handheld scanners, pico-projectors, smartphones and many more
On-board modules	TC78H670FTG
Key Features	Advanced Current Detection System, Built-in Dual H Bridges, Low on-resistance, Multi error detect functions
Interface	GPIO,I2C,SPI
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[TC78H670FTG datasheet](#)

[PCA9538 datasheet](#)

[TC7WH157 datasheet](#)

[Stepper 8 click 2D and 3D files](#)

[Stepper 8 click example on Libstock](#)

[Stepper 8 click schematic](#)

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