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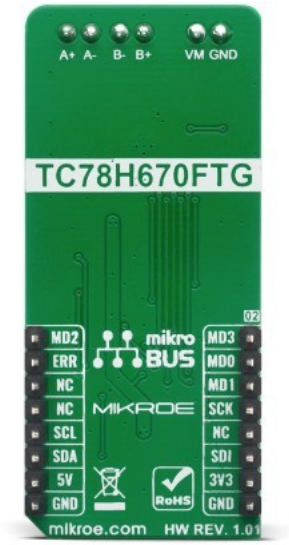
Stepper 8 Click



PID: MIKROE-4157

Stepper 8 Click is a motor control add on board based on TC78H670FT 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.

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Specifications

Type	Stepper
Applications	Security cameras, portable printers, handheld scanners, pico-projectors, smartphones and many more
On-board modules	TC78H670FT
Key Features	Advanced Current Detection System, Built-in Dual H Bridges, Low on-resistance, Multi error detect functions
Interface	I2C,SPI,GPIO
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™ Standard specification

LibStock: mikroSDK

Click board catalog

Click boards™ Standard Page

Downloads

TC78H670FTG datasheet

PCA9538 datasheet

TC7WH157 datasheet

Stepper 8 click 2D and 3D files

Stepper 8 click example on Libstock

Stepper 8 click schematic