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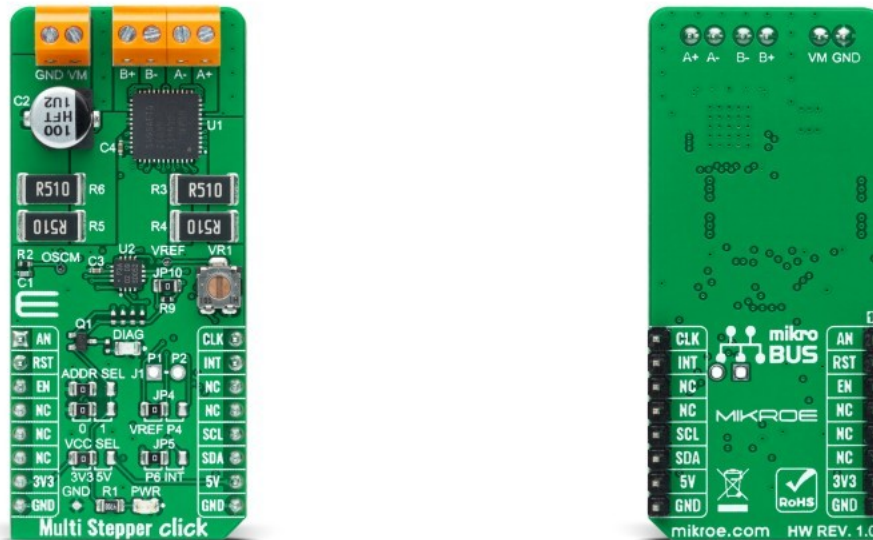www.mikroe.com

Multi Stepper Click - TB67S109

PID: MIKROE-5052

Multi Stepper Click is a compact add-on board that contains a bipolar stepper motor driver. This board features the TB67S109AFTG, CLOCK-in controlled bipolar stepping motor driver from Toshiba Semiconductor. It supports a PWM constant-current control drive and allows from full-step up to 1/32 steps resolution for less motor noise and smoother control. It has a wide operating voltage range of 10V to 47V with an output current capacity of 3A maximum in addition to several built-in error detection circuits. This Click board™ makes the perfect solution for stepping motors in various applications such as office automation, commercial, and industrial equipment.

Multi Stepper 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).

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Specifications

Type	Stepper
Applications	Can be used for stepping motors in various applications such as office automation, commercial, and industrial equipment
On-board modules	TB67S109AFTG - CLOCK-in controlled bipolar stepping motor driver from Toshiba Semiconductor
Key Features	Low power consumption, capable of controlling 1 bipolar stepping motor, from full-step up to 1/32 steps resolution, built-in clock decoder, integrated error detection circuits, and more
Interface	GPIO,I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	External,3.3V or 5V
Driving Signal	Clock
Voltage Max	50V
Current Max	4A
Micro Step	32
RDSOn	0.49
ADMD	Yes
MO	Yes
Error Signal (LO)	Yes
ULVO	No

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[TB67S109AFTG datasheet](#)

[PCA9555A datasheet](#)

[Multi Stepper Click - TB67S109 2D and 3D files](#)

[Multi Stepper Click - TB67S109 schematic](#)

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