

## Multi Stepper Click - TB67S209



PID: MIKROE-5042

**Multi Stepper Click** is a compact add-on board that contains a bipolar stepper motor driver. This board features the TB67S209FTG, CLOCK-in controlled bipolar stepping motor driver from Toshiba Semiconductor. It supports a PWM constant-current control drive, selectable mixed decay mode, 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.

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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	Can be used for stepping motors in various applications such as office automation, commercial, and industrial equipment
On-board modules	TB67S209FTG - 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, selectable mixed decay mode, integrated error detection circuits, and more
Interface	GPIO,I2C
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V,External
Driving Signal	Clock
Voltage Max	50V
Current Max	4A
Micro Step	32
RDSOn	0.49
ADMD	No
MO	Yes
Error Signal (LO)	Yes
ULVO	Yes

## Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click boards™](#)

## Downloads

[Multi Stepper Click - TB67S209 schematic](#)
[TB67S209FTG datasheet](#)
[PCA9555A datasheet](#)

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[Multi Stepper Click - TB67S209 2D and 3D files](#)

[Multi Stepper Click - TB67S209 example on Libstock](#)

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