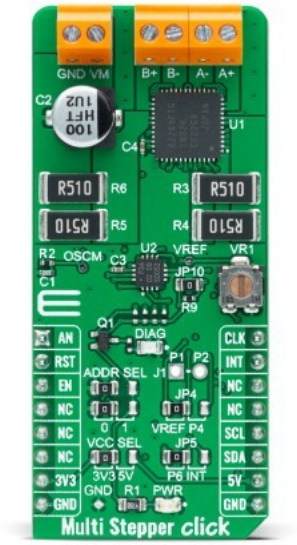
MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Multi Stepper Click - TB62269



PID: MIKROE-5039

Multi Stepper Click is a compact add-on board that contains a bipolar stepper motor driver. This board features the TB62269FTG, PWM method 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 38V with an output current capacity of 1.2A 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.

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Specifications

Type	Stepper
Applications	Can be used for stepping motors in various applications such as office automation, commercial, and industrial equipment
On-board modules	TB62269FTG - 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
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	40V
Current Max	1.8A
Micro Step	32
RDSOn	0.8
ADMD	No
MO	Yes
Error Signal (LO)	Yes
ULVO	No

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

Multi Stepper Click - TB62269 2D and 3D files

TB62269FTG datasheet

PCA9555A datasheet

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

Multi Stepper Click - TB62269 schematic

Multi Stepper Click - TB62269 example on Libstock