

## DC Motor 13 Click



PID: MIKROE-5101

**DC Motor 13 Click** is a compact add-on board with a brushed DC motor driver. This board features the TB67H481FNG, a dual-channel, H-bridge, brushed DC motor driver from [Toshiba Semiconductor](#). Fabricated with the BiCD process (DMOSFET is used for output power transistor), it covers a wide operating voltage range of 8.2V to 44V with a maximum output current capacity of 2A. It also offers many helpful features that support a robust and reliable operation, like the decay modes selection function, several protection features, and one anomaly detection indicator. This Click board™ makes the perfect solution for driving two brushed or one stepping motors in various applications such as consumer electronics and industrial equipment.

DC Motor 13 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).

## Specifications

Type	Brushed
Applications	Can be used for driving two brushed or one stepping motors in various applications such as consumer electronics and industrial equipment
On-board modules	TB67H481FNG - dual-channel, H-bridge, brushed DC motor driver from Toshiba Semiconductor
Key Features	Low power consumption, BiCD-based structure, high breakdown voltage/large current, power saving function, various protection features, selectable decay mode, error detection function, and more
Interface	GPIO,I2C
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

[DC Motor 13 click example on Libstock](#)

[DC Motor 13 click 2D and 3D files](#)

[TB67H481FNG datasheet](#)

[PCA9538A datasheet](#)

[DC Motor 13 click schematic](#)

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