

DC Motor 14 Click



PID: MIKROE-3982

DC MOTOR 14 Click is a PWM chopper type brushed DC motor driver, labeled as TB67H450AFNG. This IC includes one channel of motor output block, using a wide range of supply voltages, while delivering reasonably high current to the connected DC motors. Low ON-resistance MOSFETs and a PWM control help the TB67H450AFNG exhibit lower heat generation thus efficient motor drive. Furthermore, the TB67H450AFNG has two inputs, IN1 and IN2, which allow for selection of the four operation modes; forward (clockwise), reverse (counter-clockwise), short brake, and stop modes.

The Click board™ is supported by the mikroSDK compliant library, which includes functions that simplify software development. The Click board™ comes as a fully tested product, ready to be used on a system equipped with mikroBUS™.

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	Usable for various RC cars and boats, small to medium-sized robots, drones, and similar applications. as well as for driving motors in air or water pumps, air conditioners, ventilation systems, handheld tools, etc.
On-board modules	DC MOTOR 14 click is a PWM chopper type brushed DC motor driver, labeled as TB67H450AFNG. This IC includes one channel of motor output block, using a wide range of supply voltages, while delivering reasonably high current to the connected DC motors.
Key Features	Complete DC brushed motor driving solution with reasonably high current capability, a wide range of power supply voltages supported
Interface	GPIO
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[DC Motor 14 click example on Libstock](#)

[DC Motor 14 click 2D and 3D files](#)

[TB67H450AFNG datasheet](#)

[DC Motor 14 click schematic](#)

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