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.

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