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

# DC Motor 29 Click

PID: MIKROE-5905

**DC Motor 29 Click** is a compact add-on board that contains a high-performance DC motor driver. This board features the DRV8245P, an automotive H-Bridge driver with integrated current sense and diagnostic from Texas Instruments. It can be configured as a single full-bridge driver or independent half-bridge driver. The driver offers excellent power handling and thermal capability due to a BiCMOS high power process technology mode, in which it is designed. This Click board™ makes the perfect solution for the development of automotive brushed DC motors, solenoids, door modules, wiper motors, body control modules, steering systems, gas engine systems, and more.

DC Motor 29 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the mikroBUS™ standard. It comes with the mikroSDK open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this Click board™ apart is the groundbreaking ClickID feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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# Specifications

| Type | Brushed |
|---|---|
| Applications | Can be used for the development of automotive brushed DC motors, solenoids, door modules, wiper motors, body control modules, steering systems, gas engine systems, and more |
| On-board modules | DRV8245P - automotive H-Bridge driver with integrated current sense and diagnostic from Texas Instruments |
| Key Features | AEC-Q100 qualified for automotive applications, wide voltage operating range, configurable slew rate, and speed spectrum, integrated current sense, proportional load current output, protection and diagnostic features, and more |
| Interface | I2C,SPI |
| ClickID | Yes |
| Compatibility | mikroBUS™ |
| Click board size | L (57.15 x 25.4 mm) |
| Input Voltage | 3.3V or 5V,External |

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[TXS0104E datasheet](#)

[DC Motor 29 click example on Libstock](#)

[DC Motor 29 click 2D and 3D files](#)

[DRV8245 datasheet](#)

[PCA9538A datasheet](#)

[DC Motor 29 click schematic](#)