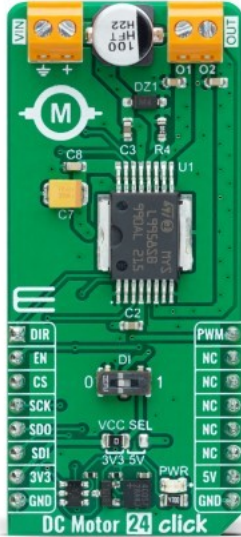


DC Motor 24 Click



PID: MIKROE-5537

DC Motor 24 Click is a compact add-on board with a brushed DC motor driver. This board features the [L9958](#), an SPI-controlled H-bridge from [STMicroelectronics](#). The L9958 is rated for an operating voltage range from 4V to 28V, with direct PWM motor control and current regulation threshold set by the SPI interface from 2.5A to 8.6A. It also has complete diagnostic and protection capabilities supporting the robust and reliable operation. This Click board™ is suitable for controlling DC and stepper motors in safety-critical automotive applications and under extreme environmental conditions.

DC Motor 24 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 controlling DC and stepper motors in safety-critical automotive applications and under extreme environmental conditions
On-board modules	L9958 - fully integrated motor driver for DC and stepper motors from STMicroelectronics
Key Features	SPI-programmable current threshold, direct PWM control, selectable motor direction, freewheeling condition, full protection and diagnostics, and more
Interface	PWM,SPI
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 24 click example on Libstock](#)

[DC Motor 24 click 2D and 3D files](#)

[L9958 datasheet](#)

[DC Motor 24 click schematic](#)

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