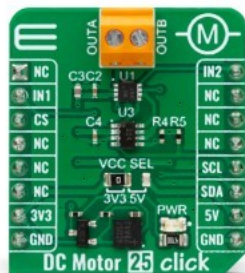# DC Motor 25 Click

PID: MIKROE-5523

DC Motor 25 Click is a compact add-on board with a brushed DC motor driver. This board features the A3908, a low-voltage bidirectional DC motor driver from Allegro Microsystems. The A3908 is rated for an operating voltage range compatible with mikroBUS™ power rails and output currents up to 500mA. The unique output full-bridge incorporates source-side linear operation to allow a constant voltage across the motor coil. Logic input pins are provided to control the motor direction of rotation, brake, and standby modes. It also has complete protection capabilities supporting robust and reliable operation. This Click board™ is suitable for controlling DC motors applications like robotic actuators and pumps, battery-powered toys and games, low-noise instrumentation systems, and many more.

DC Motor 25 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 robotic actuators and pumps, battery-powered toys and games, low-noise instrumentation systems, and more
On-board modules	A3908 - bidirectional DC motor driver from Allegro Microsystems
Key Features	Adjustable output current up to 500mA, driver control via logic pins, additional operational modes, internal protection, wide operating voltage range, low power consumption, and more
Interface	GPIO,I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

DC Motor 25 click example on Libstock

A3908 datasheet

DC Motor 25 click schematic

DC Motor 25 click 2D and 3D files

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).