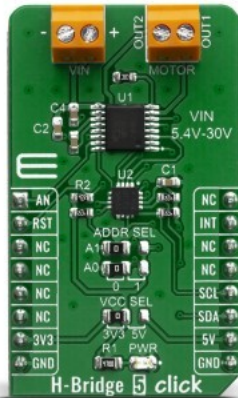


H-Bridge 5 Click



PID: MIKROE-3854

The **H-Bridge 5 Click** is designed for control DC motors and inductive loads. This Click board™ contains the MP6515GF-Z, a H-bridge motor driver from MPS. It features a Full H-Bridge driver with internal safety features including over-current protection, input over-voltage protection, under-voltage lockout (UVLO), and thermal shutdown. This click also contains the PCA9538A, a low-voltage 8-bit General Purpose Input/Output (GPIO) expander. The H-Bridge 5 click can be used for Solenoid Drivers and DC Brush Motor Drive.

The H-Bridge 5 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 excellence, 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	Solenoid Drivers and DC Brush Motor Drive
On-board modules	MP6515GF-Z, a H-bridge motor driver from MPS
Key Features	Simple and versatile logic Interfaces, 3.3V and 5V Compatible Logic Supply, Internal Full H-Bridge Driver, Fault Indication Output
Interface	Analog,I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[H-Bridge 5 click example on Libstock](#)

[H-Bridge 5 click 2D and 3D files](#)

[MP6515GF-Z datasheet](#)

[H-Bridge 5 click schematic](#)

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