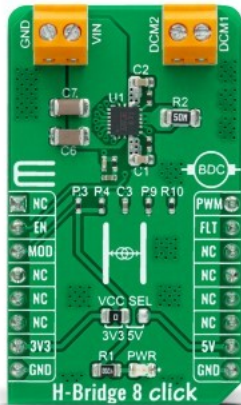


## H-Bridge 8 Click



PID: MIKROE-4775

**H-Bridge 8 Click** is a compact add-on board that contains H-bridge current regulator. This board features the [MP6519](#), a monolithic, step-down, current-source driver for applications that require accurate and fast current-response control from [MPS](#). It achieves excellent load and line regulation over a wide input supply range up to 28V. The four integrated MOSFET H-bridge control provide a fast dynamic load response and an ultra-high efficiency solution. Complete protection features include load open, load-short protection, over-current protection (OCP), over-temperature protection (OTP), and input over-voltage protection (OVP). This Click board™ is suitable as a current-regulator brushed DC motor/solenoid driver for various applications.

H-Bridge 8 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 applications that require accurate and fast current-response control
On-board modules	MP6519 - monolithic current-source driver for applications that require accurate and fast current-response control from MPS
Key Features	Low power consumption, excellent load and line regulation over wide input supply range, fast dynamic load response, ultra-high efficiency, controllable output polarity, various protection features, and more
Interface	GPIO,PWM
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V,External

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[H-Bridge 8 click example on Libstock](#)

[H-Bridge 8 click 2D and 3D files](#)

[MP6519 datasheet](#)

[H-Bridge 8 click schematic](#)

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