

## H-Bridge 15 Click



PID: MIKROE-5913

H-Bridge 15 Click is a compact add-on board with an H-Bridge gate driver, also known as a full-bridge pre-driver. This board features the [DRV8834](#), a dual-bridge stepper or DC motor driver from [Texas Instruments](#). It is capable of current-control driving of two DC motors or one stepper motor. The output current is 1.5A and up to 2.2A at peak per H-Bridge. Besides, it has a wide power supply voltage range from 2.5 to 10.8V. This Click board™ makes the perfect solution for the development of battery-powered toys, POS printers, video security cameras, robotics, and more.

H-Bridge 15 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.

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 the development of battery-powered toys, POS printers, video security cameras, robotics, and more
On-board modules	DRV8834 - dual-bridge stepper or DC motor driver from Texas Instruments.
Key Features	A dual H-Bridge current-control motor driver, can drive two DC motors or one stepper motor, two control modes, a wide power supply voltage range, two potentiometers for controlling the winding current, and more
Interface	I2C
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

[PCA9538A datasheet](#)

[H-Bridge 15 click example on Libstock](#)

[DRV8834 datasheet](#)

[H-Bridge 15 click 2D and 3D files](#)

[H-Bridge 15 Click schematic](#)

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