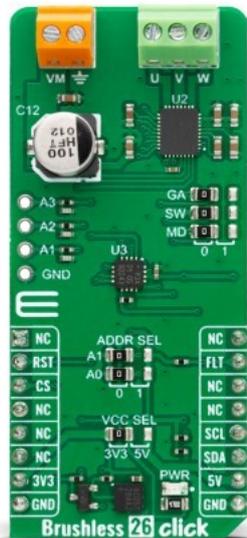


## Brushless 26 Click



PID: MIKROE-5843

**Brushless 26 Click** is a compact add-on board that controls brushless DC motors with any MCU. This board features the DRV8317H, a three-phase PWM motor driver from Texas Instruments. It provides three integrated MOSFET half-bridges for driving three-phase brushless DC (BLDC) motors with 5V, 9V, 12V, or 18V DC rails or 2s to 4s batteries. It comes with an integrated three-phase current sensing, eliminating the need for an external sense resistor. This Click board™ makes the perfect solution for the development of brushless DC (BLDC) motor modules, air purifiers, dishwasher pumps, vacuum robots, washer and dryer pumps, coffee machines, and more.

Brushless 26 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	Brushless
Applications	Can be used for the development of brushless DC (BLDC) motor modules, air purifiers, dishwasher pumps, vacuum robots, washer and dryer pumps, coffee machines, and more
On-board modules	DRV8317H - three-phase PWM motor driver from Texas Instruments
Key Features	Three-phase BLDC motor driver, configurable slew rate for EMI mitigation, programmable current sensing, supports up to 200kHz PWM frequency, integrated shoot-through protection, wide power supply voltage operating range, multiple control interface options, integrated current sensing, and more
Interface	I2C
ClickID	Yes
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

[Brushless 26 click example on Libstock](#)

[Brushless 26 click 2D and 3D files](#)

[PCA9538A datasheet](#)

[DRV8317 datasheet](#)

[Brushless 26 click schematic](#)

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