

LED Driver 14 Click



PID: MIKROE-4996

LED Driver 14 Click is a compact add-on board that simplifies the control of multiple LEDs. This board features the [BD18337EFV-M](#), a reliable four-channel constant current LED driver from [Rohm Semiconductor](#). It is powered by an external power supply in the range of 5.5V to 20V, providing a maximum output current of 150mA per channel. The BD18337EFV-M also comes with the possibility for up to 3 LEDs in series on its output OUTx pin and built-in energy sharing control, selectable operational mode, and multiple built-in protection functions that protect the circuit during abnormalities. This Click board™ is ideal for LED rear lamps (turn/stop), fog lamps, and turn signals for automotive applications.

LED Driver 14 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	LED Drivers
Applications	Can be used for LED rear lamps (turn/stop), fog lamps, and turn signals for automotive applications
On-board modules	BD18337EFV-M - four-channel constant current LED driver from Rohm Semiconductor
Key Features	Built-in energy sharing control, high reliability, PWM or analog dimming control, license lamp mode, protection features, and more
Interface	I2C,PWM
ClickID	No
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

[LED Driver 14 click example on Libstock](#)

[LED Driver 14 click schematic](#)

[MCP4661 datasheet](#)

[BD18337EFV-M datasheet](#)

[LED Driver 14 click 2D and 3D files](#)

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