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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 <u>BD18337EFV-M</u>, 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 <u>Click board™</u> 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.









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Specifications

Туре	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

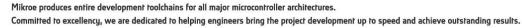
LED Driver 14 click example on Libstock

LED Driver 14 click schematic

MCP4661 datasheet

BD18337EFV-M datasheet

LED Driver 14 click 2D and 3D files







health and safety management system.