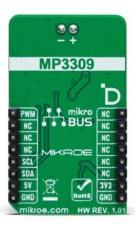


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LED Driver 15 Click





PID: MIKROE-5583

LED Driver 15 Click is a compact add-on board that simplifies the control of multiple LEDs. This board features the MP3309C, a fully integrated synchronous boost white LED driver with an I2C interface from Monolithic Power Systems. The MP3309C offers high efficiency, delivers up to 40mA of LED current, and operates from a voltage of mikroBUS™ power rails, supporting up to 8 white LEDs in series. It also features a programmable switching frequency to optimize efficiency, supports analog and PWM dimming, and has multiple built-in protection functions that protect the circuit during abnormalities. This Click board™ is suitable for backlight applications for various amusement products, LED status signalization, home automation projects, and other applications that need illumination with white light to conduct tasks like detection, recognition, and handling.

LED Driver 15 Click is supported by a $\frac{\text{mikroSDK}}{\text{compliant library}}$, which includes functions that simplify software development. This $\frac{\text{Click board}}{\text{comes}}$ comes as a fully tested product, ready to be used on a system equipped with the $\frac{\text{mikroBUS}}{\text{mikroBUS}}$ 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 various amusement products, LED status signalization, home automation projects, and other applications
On-board modules	MP3309C - synchronous boost white LED driver from Monolithic Power Systems
Key Features	WLED driver, programmable switching frequency, digitally set LED current, I2C interface, analog and PWM dimming, high efficiency and performance, low power consumption, protection features, and more
Interface	I2C,PWM
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

Downloads

LED Driver 15 click example on Libstock

LED Driver 15 click 2D and 3D files

MP3309C datasheet

LED Driver 15 click schematic

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