

LED Driver 11 Click



PID: MIKROE-4757

LED Driver 11 Click is a compact add-on board that simplifies the control of multiple LEDs. This board features the WLMDU9456001JT (172946001), a fully integrated constant current LED driver with the buck switching regulator and inductor in a single package from Würth Elektronik. It offers high efficiency, delivers up to 450mA of LED current, and operates from 4.5V input voltage up to 60V, supporting up to 16 LEDs in series. It is designed for fast PWM dimming for no color shift. This Click board™ is suitable for color mixing and backlight application for amusement products, LED status signalization, home automation projects, and many more.

LED Driver 11 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 color mixing and backlight application for amusement products, LED status signalization, home automation projects, and many more
On-board modules	WLMDU9456001JT (172946001) - fully integrated constant current LED driver with the buck switching regulator and inductor in a single package from Würth Elektronik
Key Features	Adjustable LED current, wide input/output voltage range, PWM/Analog dimming, integrated shielded inductor, onboard protection circuitry, and more
Interface	Analog,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 11 click example on Libstock](#)

[LED Driver 11 click schematic](#)

[WLMDU9456001JT datasheet](#)

[MCP4726 datasheet](#)

[LED Driver 11 click 2D and 3D files](#)

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