

LED Driver 17 Click



PID: MIKROE-5565

LED Driver 17 Click is a compact add-on board that offers a simple solution for controlling multiple LEDs, making it an ideal choice for various applications. This board features the LTR3755, a highly efficient DC/DC controller from Analog Devices that operates as a constant-current source. It can easily drive high current LEDs and features onboard low-side external N-channel power MOSFETs driven from an internal regulated supply. The LED Driver 17 Click is capable of stable operation over a wide supply range and offers several LED protection features, including overvoltage and overcurrent protection. Additionally, the frequency adjust pin allows users to program the switching frequency from 100kHz to 1MHz, optimizing efficiency and performance. This Click board™ is a versatile product that can be used in various settings, including architectural lighting and general lighting applications. It is also an excellent choice for hobbyists and professionals looking to control multiple LEDs.

LED Driver 17 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 applications that demand high power output, such as commercial and industrial lighting
On-board modules	LTR3755 - DC/DC controller from Analog Devices
Key Features	Buck mode LED driver, 500mA, PWM dimming, wide input voltage supply, output voltage suitable for 16V high power LEDs, protection features, adjustable switching frequency, fault detection and indication, and more
Interface	PWM
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™](#)

[ClickID](#)

Downloads

[LED Driver 17 click example on Libstock](#)

[LT3755 datasheet](#)

[LED Driver 17 click 2D and 3D files](#)

[LED Driver 17 click schematic](#)

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