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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 constantcurrent source. It can easily drive high current LEDs and features onboard low-side external Nchannel 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 $\underline{\text{Click board}^{\, \text{\tiny{TM}}}}$ 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 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
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

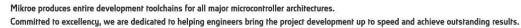
Downloads

LED Driver 17 click example on Libstock

LT3755 datasheet

LED Driver 17 click 2D and 3D files

LED Driver 17 click schematic







health and safety management system.