

LED Flash 3 Click



PID: MIKROE-5922

LED Flash 3 Click is a compact add-on board representing a powerful flash/torch solution. This board features the KTD2691, an inductor-less, single-flash LED driver from Kinetic Technologies. It includes one current source that can drive up to 1.5A of LED flash current or up to 376mA of torch current. No matter the mode used, it allows you to control the output current in 128 levels. This Click board™ makes the perfect solution for developing flash or torch lights for various hand-held devices, such as small camera lights, a cell phone flashlight, a signal light, a bicycle light, a car taillight, and more.

LED Flash 3 Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets this [Click board™](#) apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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 Segment
Applications	Can be used for the development of flash or torch lights for various hand-held devices, such as small camera lights, a cell phone flashlight, or a signal light, a bicycle light, a car taillight, and more
On-board modules	KTD2691 - inductorless single-flash LED driver from Kinetic Technologies
Key Features	I2C interface programming and hardware strobe control, single-channel programmable current source, flash and torch modes, input low voltage protection, flash time-out protection, LED open/short protection, external LED connection, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS™
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click boards™](#)

Downloads

[LED Flash 3 click example on Libstock](#)
[LED Flash 3 click 2D and 3D files](#)
[XPCWHT-L1-R250-00A01 datasheet](#)
[KTD2691 datasheet](#)
[LED Flash 3 click schematic](#)

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