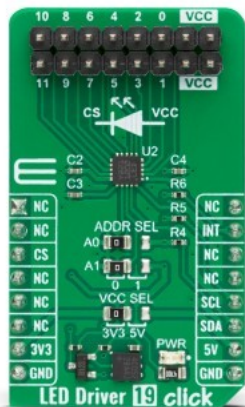


## LED Driver 19 Click



PID: MIKROE-5639

**LED Driver 19 Click** is a compact add-on board that simplifies the control of multiple LEDs. This board features the [LED1202](#), a 12-channel low quiescent current LED driver from [STMicroelectronics](#). It can output 5V, and each channel can provide up to 20mA with a headroom voltage of typically 350mV. Each channel is individually adjustable with 4096 pulse-width modulated (12-bit PWM) steps and has a programmable current value of all channels with a maximum of 20mA of LED current per channel. The 8-bit analog dimming individual control can also be used. This Click board™ makes the perfect solution for color mixing and backlight application for amusement products, LED status signalization, home automation projects, and many more.

LED Driver 19 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 more
On-board modules	LED1202 - 12-channel low quiescent current LED driver from STMicroelectronics
Key Features	12 individual LED channels, 12-bit PWM control, 8-bit analog control, thermal shutdown protection, low power consumption, 8 programmable pattern sequences in non-volatile memory, fault flag pin, high efficiency and performance, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[LED Driver 19 click schematic](#)

[LED1202 datasheet](#)

[LED Driver 19 click 2D and 3D files](#)

[LED Driver 19 click example on Libstock](#)

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