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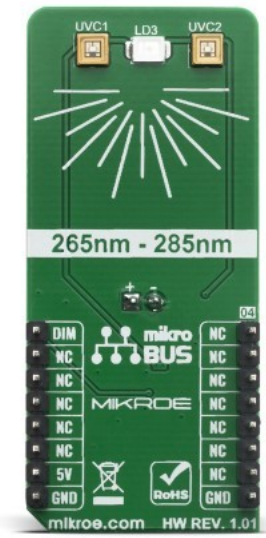
UVC Light Click



PID: MIKROE-4177

UVC Light Click is Click board™ with ultraviolet LEDs with 275nm wavelength. UVC radiation refers to wavelengths shorter than 280 nm. Because of the spectral sensitivity of DNA, only the UVC region demonstrates significant germicidal properties. As evident by multiple research studies and reports, when biological organisms are exposed to deep UV light in the range of 200 nm to 300 nm it is absorbed by DNA, RNA, and proteins. With two 0.7W (1.4W combined power) UVC Light Click is perfect solution as a small surface desinfection tool.

UVC Light Click board™ 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.

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Specifications

Type	LED Drivers,UVC Light
Applications	Disinfection, chemical and biological analysis and many more
On-board modules	3535UVC1W, TPS61169
Key Features	Deep Ultraviolet LED, Flat View Angle, Peak Wavelength at 275nm
Interface	GPIO
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V

Resources

mikroBUS™ Standard specification

LibStock: mikroSDK

Click board catalog

Click boards™ Standard Page

Downloads

UVC Light click 2D and 3D files

TPS61169 datasheets

MC34671 datasheets

UVC Light click example on Libstock

UVC Light click schematic