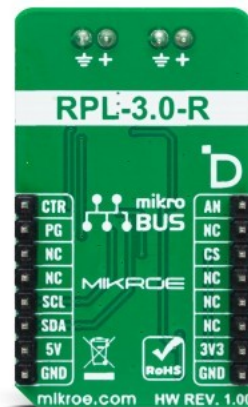


## Nano Power 3 Click



PID: MIKROE-5783

**Nano Power 3 Click** is a compact add-on board that steps down voltages from its input (supply) to output (load). This board features the RPL-3.0-R, a buck converter with an integrated inductor from Recom Power. This thermally-enhanced converter uses, as input, voltage from 4 up to 18VDC, thus allowing 5V and 12V supply rails to be used. The output voltage can be set in the range from 1V up to 4.7V, with a maximum output current of 3A and efficiency of 89%. This Click board™ makes the perfect solution for distributed power architectures, portable equipment in telecom, industrial applications, and more.

Nano Power 3 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	Buck
Applications	Can be used for distributed power architectures, portable equipment in telecom, industrial applications, and more
On-board modules	RPL-3.0-R - buck converter with an integrated inductor from Recom Power
Key Features	Wide voltage input range, wide voltage output range including voltages of 1V, the current output of up to 3A, overvoltage, and under-voltage protection, power-good indicator, an onboard digital potentiometer with 256 wiper positions, and more
Interface	I2C
ClickID	Yes
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

[Nano Power 3 click example on Libstock](#)

[MAX5419 datasheet](#)

[RPL-3.0-R datasheet](#)

[Nano Power 3 click 2D and 3D files](#)

[Nano Power 3 click schematic](#)

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