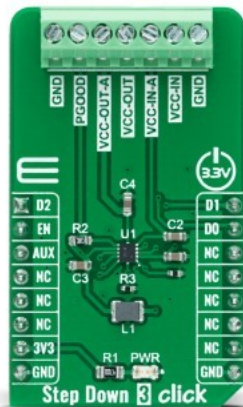


## Step Down 3 Click



PID: MIKROE-5169

**Step Down 3 Click** is a compact add-on board that steps down the voltage from its input to its output. This board features the [ST1PS03](#), a nano-quiescent miniaturized synchronous step-down converter with a load switch from [STMicroelectronics](#). The ST1PS03 can provide up to 400mA output current with an input voltage ranging from 1.8V to 5.5V, specifically designed for applications where high efficiency is crucial. It also embeds a controlled switch accessible from auxiliary channel input to supply a subsystem, output voltage from 1.6V to 3.3V set using three digital control inputs, and a Power Good signal to indicate stabilized output voltages. This Click board™ is suitable for power conversion solutions in personal tracking monitors, energy harvesting, industrial sensors, portable low power devices, and more.

Step Down 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 power conversion solutions in personal tracking monitors, energy harvesting, industrial sensors, portable low power devices, and more
On-board modules	ST1PS03 - ultra-low quiescent new generation buck converter from STMicroelectronics
Key Features	Nano-quiescent synchronous step-down converter, output voltage selection, Power Good indicator, load switch controlled by auxiliary channel, undervoltage lockout, low power consumption, high efficiency, and more
Interface	GPIO
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[Step Down 3 click example on Libstock](#)

[ST1PS03 datasheet](#)

[Step Down 3 click 2D and 3D files](#)

[Step Down 3 click schematic](#)

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