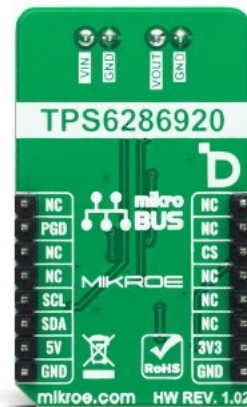
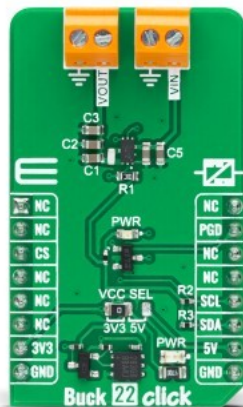


## Buck 22 Click



PID: MIKROE-5446

**Buck 22 Click** is a compact add-on board that steps down the voltage from its input (supply) to its output (load). This board features the [TPS62869](#), a high-frequency synchronous step-down converter with an I2C interface from [Texas Instruments](#), providing an efficient, adaptive, and high power-density solution. The TPS62869 operates in PWM mode at medium to heavy loads (also for the slightest output voltage ripple), and it automatically enters Power-Save Mode operation at light load to maintain high efficiency over the entire output load current range. With its DCS-Control™ architecture, excellent load transient performance and tight output voltage accuracy are achieved alongside adjustable output voltage range from 0.8V to 3.35V with a 10mV step size. This Click board™ is used to derive the required input voltage from a higher voltage source for FPGAs, ASICs, video chipsets, solid-state drives, and many more.

Buck 22 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 to derive the required input voltage from a higher voltage source for FPGAs, ASICs, video chipsets, solid-state drives, and more
On-board modules	TPS62869 - synchronous step-down converter with an I2C interface from Texas Instruments
Key Features	DCS-Control topology for fast transient response, adjustable output voltage, 1% output voltage accuracy, 2.4MHz switching frequency, I2C interface, Power-Save Mode, Power-Good indicator, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V, External

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[Buck 22 click example on Libstock](#)

[TPS62869 datasheet](#)

[Buck 22 click 2D and 3D files](#)

[Buck 22 click schematic](#)

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