

Buck 23 Click



PID: MIKROE-5536

Buck 23 Click is a compact add-on board with a DC-DC power converter that steps down the voltage from its input to its output. This board features the [MAX20010C](#), a fully-integrated, high-efficiency, synchronous, step-down converter from [Analog Devices](#). The MAX20010C achieves 6A continuous output current over a wide input supply range from 3V to 5.5V. It offers $\pm 2\%$ output voltage accuracy and can operate efficiently over interface-configurable output voltage load range from 0.5V to 1.58V. The MAX20010C also offers programmable soft-start, overcurrent, and overtemperature protections. This Click board™ is suitable for point-of-load and post-regulation applications.

Buck 23 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 point-of-load and post-regulation applications
On-board modules	MAX20010C - synchronous step-down converter from Analog Devices
Key Features	High efficiency, 6A output current, excellent load regulation, broad output voltage range selectable by serial interface, protection features, wide input range, selectable power supply, 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 23 click 2D and 3D files](#)
[Buck 23 click schematic](#)
[Buck 23 click example on Libstock](#)
[MAX20010C datasheet](#)

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