

Step Down 8 Click



PID: MIKROE-5813

Step Down 8 Click is a compact add-on board that converts higher voltages into a lower voltage level. This board features the MAX25232, a mini buck converter from Analog Devices. It is designed to deliver up to 3A with 3.5V to 36V input voltages while using only 3.5µA quiescent current at no load. The MAX25232 integrates high-side and low-side switches and provides accurate output voltage in a range from 3 up to 18V. This Click board™ makes the perfect solution for developing automotive, industrial applications, high-voltage DC-DC converters, and many more.

Step Down 8 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 developing automotive, industrial applications, high-voltage DC-DC converters, and many more
On-board modules	MAX25232 - mini buck converter from Analog Devices
Key Features	Undervoltage lockout, soft-start, on-chip oscillator, skip-mode operation, highly efficient pulse-skipping mode, output voltage overshoot protection, forced-PWM mode, over-current protection, spread-spectrum option, wide voltage input, and output operating range, 3A output current, an onboard 8-bit digital potentiometer, 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

[Step Down 8 click example on Libstock](#)

[Step Down 8 click schematic](#)

[Step Down 8 click 2D and 3D files](#)

[MCP4661 datasheet](#)

[MAX25232 datasheet](#)

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