

Time-saving embedded tools

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Step Down 9 Click





PID: MIKROE-5844

Step Down 9 Click is a compact add-on board that converts higher voltages into a lower voltage level. This board features the MAX20406, an automotive fully integrated synchronous silent switcher buck converter from <u>Analog Devices</u>. It is designed to deliver up to 6A with wide input voltages ranging from 3V up to 36V. The output voltages are programmable in a range of 0.8V to 10V and are available over the VOUT terminal. This Click board[™] makes the perfect solution for developing automotive infotainment systems, ADAS and other safety-critical components, industrial equipment, high-voltage DC-DC converters, and more.

Step Down 9 Click is supported by a <u>mikroSDK</u> compliant library, which includes functions that simplify software development. This <u>Click board</u> comes as a fully tested product, ready to be used on a system equipped with the <u>mikroBUS</u> 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).



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Specifications

Туре	Buck
Applications	Can be used for developing automotive infotainment systems, ADAS and other safety- critical components, industrial equipment, high-voltage DC-DC converters, and more
On-board modules	MAX20406 - an automotive fully integrated synchronous silent switcher buck converter from Analog Devices
Key Features	Wide input range, wide programmable adjusted output range, multiple functions for a small package, fixed soft start, high precision, dual-phase capability, superior EMI performance, spread-spectrum frequency modulation, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

<u>mikroBUS</u>™

<u>mikroSDK</u>

Click board[™] Catalog

Click boards™

Downloads

Step Down 9 click example on Libstock

MAX20406 datasheet

Step Down 9 click 2D and 3D files

Step Down 9 click schematic

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