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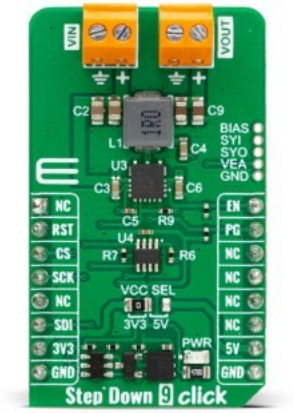
Step Down 9 Click



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 Analog Devices. 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 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.

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Specifications

Type	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

mikroBUS™

mikroSDK

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