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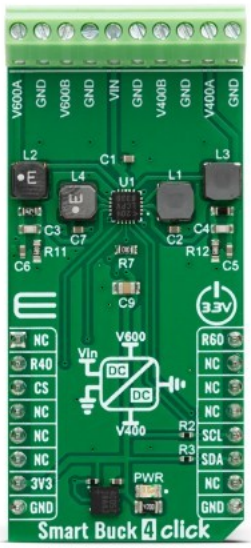
Smart Buck 4 Click



PID: MIKROE-5750

Smart Buck 4 Click is a compact add-on board that contains a high-frequency synchronous step-down DC-DC converter. This board features the LTS3562, a quad synchronous step-down DC-DC regulator from Analog Devices. It uses voltages in the range of 2.85V up to 5.5V as input. As output, the converter can scale voltage from 425mV up to 3.755V in 25mV steps, retaining up to 600mA of output current, operating at 2.5MHz of the typical switching frequency. This Click board™ makes the perfect solution for the development of DSPs power supplies, portable devices, dynamic voltage scaling, and more.

Smart Buck 4 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 the development of DSPs power supplies, portable devices, dynamic voltage scaling, and more
On-board modules	LTS3562 - quad synchronous step-down DC-DC regulator from Analog Devices
Key Features	Highest efficiency, excellent DC output voltage, four independently programmable regulators, two of them with programmable feedback voltage, two with programmable output voltage, fixed switching frequency in pulse skip mode, power-on-reset output, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,External

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

Smart Buck 4 click example on Libstock

Smart Buck 4 click schematic

Smart Buck 4 click 2D and 3D files

LTC3562 datasheet