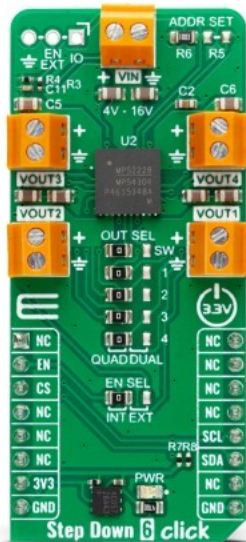


## Step Down 6 Click



PID: MIKROE-5776

**Step Down 6 Click** is a compact add-on board that converts higher voltages into lower ones. This board features the [MPM54304](#), a quad-output power module from [Monolithic Power Systems \(MPS\)](#). It is a quad-output, DC/DC step-down power module with up to 3A per output on channels 1 and 2 and up to 2A per channels 3 and 4, providing continuous current on all four channels. It also allows paralleling channels to achieve double current. This Click board™ makes the perfect solution for the development of FPGA power supplies, multi-rail power systems, MCU/DSP power supplies, and more.

Step Down 6 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 the development of FPGA power supplies, multi-rail power systems, MCU/DSP power supplies, and more
On-board modules	MPM54304 - quad-output power module from Monolithic Power Systems (MPS)
Key Features	Wide operating range, wide output range, straight and parallel continuous current output, interleaved operation, configurable multi-functional GPIO pin, configurable paralleling, switching frequency, output voltage, over-current, and over-voltage thresholds, power-on and power-off sequencing, Forced PWM or Auto-PWM/PFM, 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

[Step Down 6 click example on Libstock](#)

[Step Down 6 click schematic](#)

[Step Down 6 click 2D and 3D files](#)

[MPM54304 datasheet](#)

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