

## MIC24055 Click



PID: MIKROE-2835

**MIC24055 click** is the buck regulator that can deliver continuous output current up to 8A and can step down voltages from up to 19V which makes this click board easy to use with many power sources commonly available. The amount of current it can deliver and the steady, ripple-free regulated voltage, make this click board a perfect choice for powering up devices which require high current, regulated power supply, such as servers and workstations, routers, telecom equipment and every other electronic device with similar power demands.

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	The MIC24055 click can be used for powering up devices which require regulated power source with sufficient current, such as servers and work stations, routers, telecom equipment and every other electronic device with similar power demands.
On-board modules	Microchip's MIC24055 constant-frequency synchronous buck regulator. Microchip's MCP4921 single channel, 12-bit DAC with the SPI interface.
Key Features	Continuous output current up to 8A, wide input range from 4.5V to 19V, power good (PG) output, short circuit protection, under-voltage protection, fast transient response.
Interface	Analog,GPIO,SPI
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

## Resources

[mikroBUS™ standard specifications](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[MIC24055 datasheet](#)

[MIC24055 click schematic](#)

[MIC24055 click example on Libstock](#)

[MIC24055 click 2D and 3D files](#)

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