

VREG Click



PID: MIKROE-2443

VReg click is a digitally controlled DC Voltage regulator in mikroBUS™ form factor. The design is based on the well-known [LM317-M](#) circuit, with the addition of a 12-bit DAC, 12-bit ADC, and an Operational Amplifier. Two pairs of screw terminals serve as inputs and outputs.

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.



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ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Linear
Applications	Regulating linear power supplies for a wide variety of devices
On-board modules	LM317-M, MCP4921 12-bit DAC, MCP3204 12-bit ADC, ZXMP7A17K MOSFET, LMx58 Low-Power, Dual-Operational Amplifier
Key Features	Input Output screw terminals
Interface	SPI
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[VREG click example on Libstock](#)

[VREG click schematic](#)

[LM317M datasheet](#)

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