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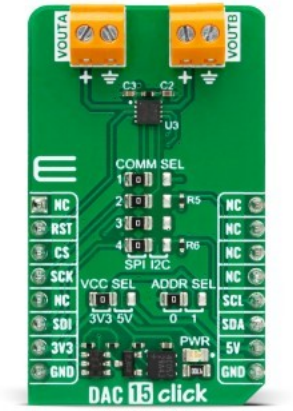
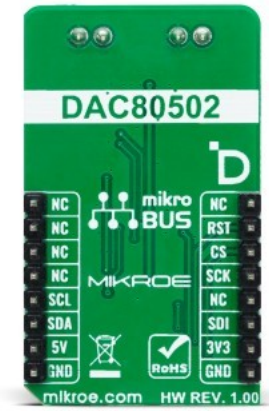
DAC 15 Click





PID: MIKROE-5825

DAC 15 Click is a compact add-on board that provides a highly accurate digital-to-analog conversion on two channels. This board features the DAC80502, a dual 16-bit 1-LSB INL voltage-output DAC from Texas Instruments. The DAC operates at a wide power supply range and is a low-power device with as low as 1mA per channel at 5.5V. It also includes a 2.5V, 5-ppm/°C internal reference, giving a full-scale voltage buffered output ranges of 1.25V, 2.5V, and 5.5V. This Click board™ makes the perfect solution for the development of oscilloscopes, battery testers, semiconductor testers, data acquisition, small cell base stations, analog output modules, DC power supplies, and more.

DAC 15 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	DAC
Applications	Can be used for the development of oscilloscopes, battery testers, semiconductor testers, data acquisition, small cell base stations, analog output modules, DC power supplies, and more
On-board modules	DAC80502 - dual 16-bit 1-LSB INL voltage-output DAC from Texas Instruments
Key Features	Dual output, wide power supply, buffered output range, integrated precision reference, power-on-reset, low glitch energy, rail-to-rail ladder architecture, several operating modes, and more
Interface	I2C,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

DAC 15 click example on Libstock

DAC80502 datasheet

DAC 15 click 2D and 3D files

DAC 15 click schematic