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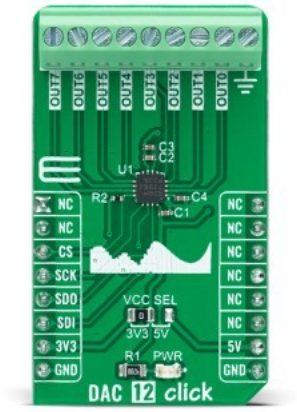
DAC 12 Click



PID: MIKROE-5097

DAC 12 Click is a compact add-on board that contains a highly accurate digital-to-analog converter. This board features the DAC60508, a general-purpose octal 12-bit analog voltage-output DAC from Texas Instruments. It includes a 2.5V, 5ppm/°C internal reference, eliminating the need for an external precision reference in most applications, and supports the SPI serial interface, which operates at clock rates up to 40MHz. A user interface-selectable gain configuration provides full-scale output voltages of 1.25V, 2.5V, or 5 V. This Click board™ represents an excellent choice for digital gain and offset adjustment applications, programmable voltage, and current sources, programmable reference, and many more.

DAC 12 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 digital gain and offset adjustment applications, programmable voltage, and current sources, programmable reference, and many more
On-board modules	DAC60508 - octal 12-bit analog voltage-output DAC from Texas Instruments
Key Features	Low power consumption, high performance, integrated 2.5V internal reference, high precision, flexible output configuration, SPI compatible interface, and more
Interface	SPI
ClickID	No
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 12 click example on Libstock

DAC60508 datasheet

DAC 12 click 2D and 3D files

DAC 12 click schematic