DAC 14 Click

PID: MIKROE-5525

DAC 14 Click is a compact add-on board providing highly accurate digital-to-analog conversion. This board features the DAC53202, a 10-bit dual-channel programmable voltage/current-output DAC from Texas Instruments. The DAC53202 supports high-speed I2C and SPI serial interface alongside Hi-Z Power-Down mode and Hi-Z output during Power-OFF conditions. It has a programmable comparator mode for both DAC channels and one general-purpose I/O pin configurable as multiple functions allowing this smart DAC for processor-less applications. This Click board™ is suitable for communications equipment, enterprise servers, test and measurement, and general-purpose power-supply modules.

DAC 14 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.

Specifications

Type	DAC
Applications	Can be used for communications equipment, enterprise servers, test and measurement, and general-purpose power-supply modules
On-board modules	DAC53202 - 10-bit dual-channel buffered digital-to-analog converter from Texas Instruments
Key Features	Programmable outputs, flexible configuration, comparator mode for all channels, Hi-Z power-down mode, multifunction GPIO, selectable interface, and more
Interface	I2C,SPI
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click boards™

Downloads

DAC 14 click example on Libstock

DAC 14 click 2D and 3D files

DAC53202 datasheet

DAC 14 click schematic