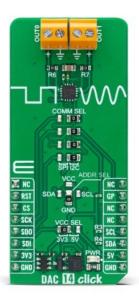


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## DAC 14 Click





PID: MIKROE-5525

**DAC 14 Click** is a compact add-on board providing highly accurate digital-to-analog conversion. This board features the <u>DAC53202</u>, a 10-bit dual-channel programmable voltage/current-output DAC from <u>Texas Instruments</u>. 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  $\underline{\mathsf{mikroSDK}}$  compliant library, which includes functions that simplify software development. This  $\underline{\mathsf{Click}}$  board $^{\mathsf{TM}}$  comes as a fully tested product, ready to be used on a system equipped with the  $\underline{\mathsf{mikroBUS}}^{\mathsf{TM}}$  socket.

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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## **Specifications**

Туре	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 powerdown 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

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health and safety management system.