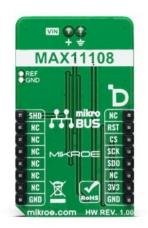


Time-saving embedded tools

MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia VAT: SR105917343 Registration No. 20490918 Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com www.mikroe.com







PID: MIKROE-5880

ADC 14 Click is a compact add-on board with a high-performance data converter. This board features the MAX11108A, a low-power serial ADC from Analog Devices. It includes a high-dynamic range sample-and-hold and a high-speed serial interface. This 12-bit resolution ADC with an integrated single-ended analog input connected to the ADC core can achieve up to 3Msps of conversion rate with no pipeline delay. This Click board[™] makes the perfect solution for the development of instrument data acquisition, mobile applications, portable data logging, medical instrumentation, communication systems, and more.

ADC 14 Click is supported by a <u>mikroSDK</u> compliant library, which includes functions that simplify software development. This <u>Click board</u> comes as a fully tested product, ready to be used on a system equipped with the <u>mikroBUS</u> 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.



ISO 27001: 2013 certification of informational security management system. ISO 14001: 2015 certification of environmental management system. OHSAS 18001: 2008 certification of occupational health and safety management system.



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



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Specifications

Туре	ADC
Applications	Can be used for the development of instrument data acquisition, mobile applications, portable data logging, medical instrumentation, communication systems, and more
On-board modules	MAX11108A - low-power serial ADC from Analog Devices
Key Features	Compact 12-bit ADC, low power consumption extends battery life, high speed, high conversion rate with no pipeline delay, single- ended ADC, high-dynamic range sample-and- hold, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V

Resources

<u>mikroBUS</u>™

<u>mikroSDK</u>

Click board[™] Catalog

Click boards[™]

<u>ClickID</u>

Downloads

MCP1501 datasheet

ADC 14 click example on Libstock

MAX11108A datasheet

ADC 14 click 2D and 3D files

ADC 14 click schematic

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