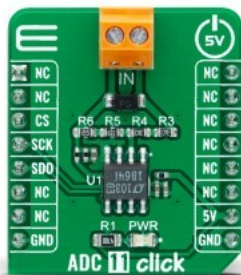


ADC 11 Click



PID: MIKROE-4593

ADC 11 Click is a compact add-on board that contains a high-performance data converter. This board features the [LTC1864](#), a 16-bit 250ksps analog-to-digital converter from [Analog Devices](#). With a typical supply current of only 850µA at the maximum sampling frequency, the LTC1864 is among the lowest power consumption ADCs available. After conversion, the LTC1864 goes into a low-power Sleep mode, further reducing the supply current. That's why it can run at proper micro-power levels in applications that do not require the maximum sampling rate of the LTC1864. This Click board™ is suitable for high-speed data acquisition, low power battery-operated instrumentation, isolated and remote data acquisition, and many other applications.

ADC 11 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.

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).

Specifications

Type	ADC
Applications	Can be used for high-speed data acquisition, low power battery-operated instrumentation, isolated and remote data acquisition, and many other applications.
On-board modules	LTC1864 - 16-bit successive approximation A/D converter with a sample-and-hold feature that operates on a single 5V supply from Analog Devices
Key Features	One channel 16bit 250ksps ADC, singl 5V supply, low supply current, auto-shutdown feature, SPI compatible interface, and more.
Interface	SPI
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[ADC 11 click 2D and 3D files](#)

[LTC1864 datasheet](#)

[ADC 11 click schematic](#)

[ADC 11 click example on Libstock](#)

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).