

ECG 7 Click



PID: MIKROE-5214

ECG 7 Click is a compact add-on board that records the heart's electrical activity. This board features the MCP6N16, a single zero-drift instrumentation amplifier with selectable gain from Microchip. In addition to the jack connector provided for connecting the cable with ECG electrodes, this Click board™ offers the possibility of connecting electrodes through screw terminals or an onboard header if the electrode connection does not match the jack connector. Besides, the user is allowed to process the output signal in analog or digital form. This Click board™ is suitable for medical remote diagnostic equipment applications, such as electrocardiogram (ECG) measurement.

ECG 7 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	Biometrics, ECG
Applications	Can be used for medical remote diagnostic equipment applications, such as electrocardiogram (ECG) measurement
On-board modules	MCP6N16 - single zero-drift instrumentation amplifier from Microchip
Key Features	Low power consumption, high DC precision, gain selection, allow to process the output signal in analog or digital form, flexible ECG signal connections, and more
Interface	Analog, I2C
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

[ECG 7 click 2D and 3D files](#)
[ECG 7 Click schematic](#)
[ECG 7 click example on Libstock](#)
[MCP6N16 datasheet](#)
[MCP3221 datasheet](#)
[MCP6002 datasheet](#)

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