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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 $^{\text{TM}}$ 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 $^{\text{TM}}$ is suitable for medical remote diagnostic equipment applications, such as electrocardiogram (ECG) measurement.

ECG 7 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	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

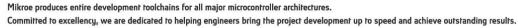
ECG 7 Click schematic

ECG 7 click example on Libstock

MCP6N16 datasheet

MCP3221 datasheet

MCP6002 datasheet







health and safety management system.