

## GainAMP 2 click



PID: MIKROE-2859

**GainAMP 2 click** is a 6-channel programmable gain amplifier, used to amplify signals on any of the 6 non-inverting input channels up to 32x, in eight discrete steps. The gain can be set via the SPI communication interface. The click has a high signal to noise ratio, a good bandwidth, and very low gain error. These features make it an ideal solution for amplifying sensitive low signals from various sources.

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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	Amplifier
Applications	Used for low and sensitive signal amplification, such as the signals from various sensors, can be used as an analog input expander for a MCU or as an input amplifying stage of the ADC.
On-board modules	MCP6S26 - rail-to-rail I/O, low noise programmable gain amplifier
Key Features	Six multiplexed non-inverting analog input channels, with programmable gain, rail-to-rail inputs and outputs with no phase shifting and very good bandwidth, low THD, and great SNR
Interface	Analog, SPI
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™ standard specifications](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[GainAMP 2 click example on Libstock](#)

[MCP6S26 datasheet](#)

[GainAMP 2 click schematic](#)

[GainAMP 2 click 2D and 3D files](#)

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