

AudioAmp 8 Click



PID: MIKROE-4812

AudioAmp 8 Click is a compact add-on board that reproduces input audio signal at sound-producing output elements, with desired volume and power levels. This board features the [MA12070](#), a super-efficient audio power amplifier from [Infineon Technologies](#). This I2C configurable audio amplifier is based on proprietary multi-level switching technology, enabling low power loss during operation. It supports a supply voltage range from 4 to 26V, allowing it to be used in many applications. Besides, it is equipped with protection features, allowing a reliable operation. This Click board™ is suited for various types of consumer audio equipment applications.

AudioAmp 8 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	Amplifier
Applications	Can be used for various types of consumer audio equipment applications
On-board modules	MA12070 - super-efficient audio power amplifier from Infineon Technologies
Key Features	Proprietary multi-level switching technology, high power efficiency, high audio performance, low power consumption, flexible output stage configuration, protection feature, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	5V, External

Resources

[mikroBUS™](#)
[mikroSDK](#)
[Click board™ Catalog](#)
[Click boards™](#)

Downloads

[AudioAmp 8 click schematic](#)
[AudioAmp 8 click 2D and 3D files](#)
[MA12070 datasheet](#)
[AudioAmp 8 click example on Libstock](#)

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