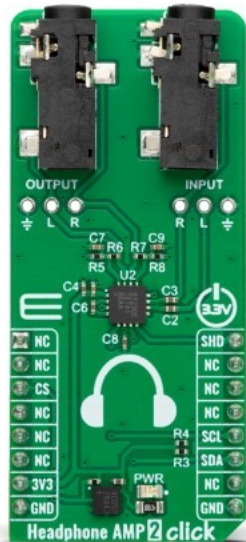


Headphone AMP 2 Click



PID: MIKROE-5577

Headphone AMP 2 Click is a compact add-on board that contains a stereo headphone amplifier. This board features the [MAX9723](#), a stereo DirectDrive headphone amplifier with BassMax, volume control, and I2C from [Analog Devices](#). The amplifier delivers 62mW into a 16Ω load, and features a high 90dB PSRR at 1KHz and a low 0.006% THD+N. It also features an integrated 32-level volume control, click-and-pop suppression, ±8kV HBM ESD-protected headphone outputs, short-circuit and thermal-overload protection, and more. This Click board™ makes the perfect solution for the development of PDA audio, portable players, mini-Disc players, and more.

Headphone AMP 2 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,Signal Processing
Applications	Can be used for the development of PDA audio, portable players, mini-Disc players, and more
On-board modules	MAX9723 - stereo DirectDrive headphone amplifier with BassMax, volume control, and I2C from Analog Devices
Key Features	DirectDrive headphone amplifier eliminates bulky DC-blocking capacitors, single supply operation, integrated 32-level volume control, high PSSR, low THD+N, click-and-pop suppression, short-circuit, and thermal-overload protection, software-enabled Bass Boost, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[Headphone AMP 2 click example on Libstock](#)

[MAX9723 datasheet](#)

[Headphone AMP 2 click schematic](#)

[Headphone AMP 2 click 2D and 3D files](#)

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