MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
www.mikroe.com

AudioAmp 3 click

PID: MIKROE-3901

AudioAmp 3 Click is a stereo audio amplifier, capable of delivering up to 79W per channel with the 4Ω load. It is based on the TAS5414, a class-D integrated amplifier, which utilizes a highly efficient switching scheme. Advanced EMI Suppression with Spread Spectrum Control allows using ferrite bead filters instead of bulky inductors, still maintaining the required EMC levels. The TAS5414 IC is equipped with a set of protection features, allowing a reliable operation.

AudioAmp 3 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.

Specifications

Type	Amplifier
Applications	A perfect solution for different kinds of active desktop speakers, TV sets and PC monitors, and other types of consumer audio equipment. Due to its high efficiency, it can even be used as a sound reinforcement solution for various IoT applications.
On-board modules	TAS5414, an automotive, stereo, class-D audio amplifier, from Texas Instruments
Key Features	High efficiency, a set of protection features for reliable operation, it can be operated with the wide range of voltages, etc.
Interface	GPIO,I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V,External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[AudioAmp 3 click example on Libstock](#)

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

[TAS5414 datasheet](#)

[AudioAmp 3 click schematic](#)