

MP3 2 Click



PID: MIKROE-4159

The MP3 2 click is a Click board™ based on the KT403A, a compact audio SOC, from Shenzhen Qianle Microelectronics Technology, which integrates 16-bit MCU, audio decoder, and a DSP for decoding. With all of these components combined, KT403A uses hardware decoding, to guarantee good stability and tone quality. Besides that, it also provides various audio file operations for various audio file formats, such as .mp3 and .wav. These features make MP3 2 click an ideal solution for the applications where the audio playback device is needed, such as digital music players, camcorders, speakers, headphones, toys, and more.

MP3 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	MP3
Applications	Digital music players, camcorders, speakers, headphones, toys, and more.
On-board modules	KT403A serial MP3 module, from Shenzhen Qianle Microelectronics Technology Co. Ltd.
Key Features	MP3 Player, Streaming support for MP3 and WAV.
Interface	UART
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™ Standard specification](#)

[LibStock: mikroSDK](#)

[Click board catalog](#)

[Click boards™ Standard Page](#)

Downloads

[MP3 2 click 2D and 3D files](#)

[KT403A datasheet](#)

[MP3 2 click schematic](#)

[MP3 2 click example on Libstock](#)

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