

Piezo Driver Click



PID: MIKROE-5896

Piezo Driver Click is a compact add-on board that allows you easy system configuration for driving a two-terminal or three-terminal piezo sounder with few external components. This board features the [PAM8906](#), a piezo sounder driver with self-excitation mode from [Diodes Incorporated](#). It has a built-in boost converter capable of driving a piezo sounder with up to 12V. This way, it can provide an optimized solution with a higher Sound Pressure Level (SPL) for louder output sound and lower quiescent current, along with an auto turn-on/off feature for extended battery runtime. This Click board™ makes the perfect solution for the development of smoke, gas, water alarms, industrial security alarms, air humidifiers or ultrasonic-related piezo driver applications, security devices, home applications, and more.

Piezo Driver Click is fully compatible with the mikroBUS™ socket and can be used on any host system supporting the [mikroBUS™](#) standard. It comes with the [mikroSDK](#) open-source libraries, offering unparalleled flexibility for evaluation and customization. What sets Piezo Driver Click apart is the groundbreaking [ClickID](#) feature, enabling your host system to seamlessly and automatically detect and identify this add-on board.

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	Speakers
Applications	Can be used for the development of smoke, gas, water alarms, industrial security alarms, air humidifiers or ultrasonic-related piezo driver applications, security devices, home applications, and more
On-board modules	PAM8906 - piezo sounder driver with self-excitation mode from Diodes Incorporated
Key Features	Piezo driver with self-excitation mode, can drive two-terminal or three-terminal piezo sounders, automatic shutdown, and wake-up, high-speed driver with very short turn ON/OFF times, integrated boost converter, and more
Interface	PWM
ClickID	Yes
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Piezo Driver click example on Libstock](#)

[Piezo Driver click schematic](#)

[PAM8906 datasheet](#)

[Piezo Driver click 2D and 3D files](#)

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).