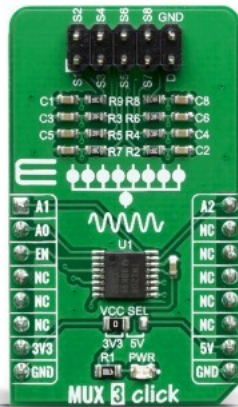


MUX 3 Click



PID: MIKROE-3916

MUX 3 Click is the general purpose multiplexer which offers multiplexing one input channel to eight single-ended output channels. Given the TMUX1208 wide operating supply options from 1.08 V to 5.5 V and support of bidirectional I/O signals, its allowing you use in a broad array of applications ranging from personal electronics to building automation applications such as: Heating, Smoke Detectors, Ventilation, Air Conditioning, Battery-Powered Equipment, Consumer Audio, etc.

MUX 3 Click board™ 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	DAC
Applications	Analog and Digital Multiplexing / Demultiplexing, HVAC: Heating, Ventilation, and Air Conditioning, Smoke Detectors, Video Surveillance, Electronic Point of Sale, Battery-Powered Equipment, Appliances, Consumer Audio
On-board modules	TMUX1208, a 5-V Bidirectional 8:1, 1-Channel Multiplexer from Texas Instruments
Key Features	Features such as the break-before-make switching action, electrostatic discharge protection up to 2kV, low on-resistance and low input current leakage, make this circuit a perfect solution for various switching applications, especially those that utilize differential signals
Interface	GPIO
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

[MUX 3 click example on Libstock](#)

[TMUX1208 datasheet](#)

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

[MUX 3 click schematic](#)

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