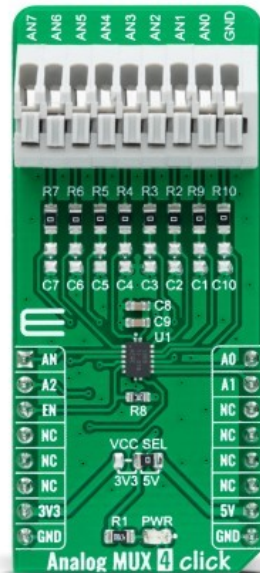


# Analog MUX 4 Click



PID: MIKROE-4795

**Analog MUX 4 Click** is a compact add-on board that switches one of many analog inputs to one digital output. This board features the [TMUX1308](#), a general-purpose 8:1 single-ended CMOS multiplexer (MUX) from [Texas Instruments](#). The TMUX1308 has an internal injection current control which eliminates the need for external diode and resistor networks to protect the switch and keep the input signals within the supply voltage. It also supports bidirectional analog and digital signals ranging from 0 to 5V, alongside several protection features allowing a reliable operation and protecting the device from potential damage. This Click board™ is suitable for various applications, from industrial to instrumentation, consumer, communications, and more.

Analog MUX 4 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             | Measurements,Port expander  |
| Applications     | Can be used for various applications, from industrial to instrumentation, consumer, communications, and more  |
| On-board modules | TMUX1308 - general-purpose 8:1 single-ended CMOS analog multiplexer from Texas Instruments  |
| Key Features     | Injection current control, back-powering protection, bidirectional signal path, Break-Before-Make switching, VCC range signal handling, TTL/CMOS-logic compatible, pin-controllable, and more |
| Interface        | Analog,GPIO   |
| ClickID          | No  |
| Compatibility    | mikroBUS™   |
| Click board size | L (57.15 x 25.4 mm)   |
| Input Voltage    | 3.3V or 5V  |

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[Analog MUX 4 click example on Libstock](#)

[TMUX1308 datasheet](#)

[Analog MUX 4 click schematic](#)

[Analog MUX 4 click 2D and 3D files](#)

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