

MUX 4 Click



PID: MIKROE-4754

MUX 4 Click is a compact add-on board that contains a precise analog multiplexing IC. This board features the 74HC4851, 8-channel analog multiplexer/demultiplexer with injection-current effect control from [Nexperia USA Inc.](#) This Click board™ comes with three digital select inputs, active-LOW enable input, eight independent inputs/outputs, and a common input/output. It also features an injection-current effect control, which has excellent value in automotive applications where voltages above the supply voltage are common. This Click board™ is suitable for a wide range of analog or digital mux/demux applications, from industrial and instrumentation, consumer, communications, and automotive systems.

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	DAC
Applications	Can be used for a wide range of analog or digital mux/demux applications, from industrial and instrumentation, consumer, communications, and automotive systems
On-board modules	74HC4851 - precise 8-channel analog multiplexer/demultiplexer from Nexperia USA Inc
Key Features	Low power consumption, injection-current effect control, high speed, pin-controllable, eight channels, common I/O channel signal selection, and more
Interface	Analog,GPIO
ClickID	No
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

[74HC4851 datasheet](#)

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

[MUX 4 click schematic](#)

[MUX 4 click example on Libstock](#)

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