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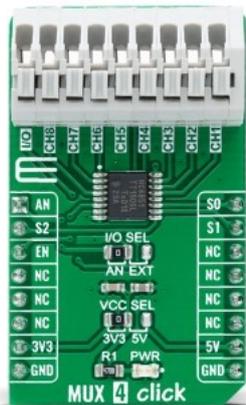www.mikroe.com

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.

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