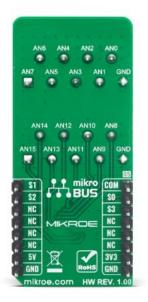MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
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Analog MUX Click

PID: MIKROE-4111

Analog MUX Click is a Click board™ that switches one of the sixteen inputs to one output. It employs the CD74HC4067, a High-Speed CMOS Logic 16-Channel Analog Multiplexer/Demultiplexer, produced by Texas Instruments. It offers rail-to-rail operation, allowing the input signal to swing up (and down) to the voltage of the power supply, with no distortion. Features such as the low on-resistance and low input current leakage, fast and balanced propagation delay and transition times and break-before-make switching action make this circuit a perfect solution for various switching applications, analog and digital signals.

Analog MUX 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	Automatization and process control, programmable logic controllers, digital multimeters, battery monitoring, and other applications that require analog signal switching.
On-board modules	CD74HC4067, a high-speed CMOS logic 16-channel analog multiplexer/demultiplexer, produced by Texas Instruments.
Key Features	low on-resistance and low input current leakage, fast and balanced propagation delay and transition times, break-before-make switching action
Interface	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 click 2D and 3D files](#)

[CD74HC4067 datasheet](#)

[Analog Mux click example on Libstock](#)

[Analog Mux click schematic](#)