MIKROELEKTRONIKA D.O.O, Batajnički drum 23, 11000 Belgrade, Serbia
VAT: SR105917343 Registration No. 20490918
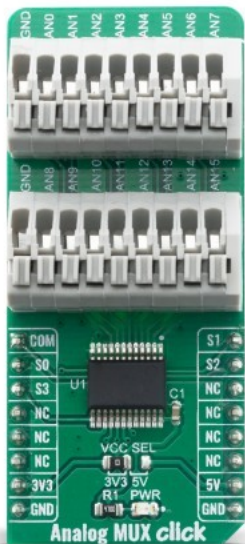Phone: + 381 11 78 57 600 Fax: + 381 11 63 09 644 E-mail: office@mikroe.com
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Analog MUX Click

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.

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Specifications

Type	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
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](#)