

UART MUX Click



PID: MIKROE-3878

The **UART Mux click** is a Click board™ that switches the UART pins (RX and TX) from the mikroBUS™ to one of the four available outputs. It employs the SN74LV4052A, a Dual 4-Channel Multiplexer and Demultiplexer from Texas Instruments. It is designed for 2-V to 5.5-V VCC operation. Some of the typical applications for the SN74LV4052A include signal gating, chopping, modulation or demodulation (modem), and signal multiplexing for analog-to-digital and digital-to-analog conversion systems, which makes it ideal for multiplexing the UART pins from the mikroBUS™ to the multiple outputs.

The UART 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	DAC
Applications	Telecommunications, Infotainment, Signal Gating and Isolation, Home Appliances, Programmable Logic Circuits, Modulation and Demodulation
On-board modules	SN74LV4052A, a Dual 4-Channel Analog Multiplexer and Demultiplexer from Texas Instruments
Key Features	High On-Off Output-Voltage Ratio, Extremely Low Input Current, 2-V to 5.5-V VCC Operation
Interface	GPIO,UART
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

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

[SN74LV4052A datasheet](#)

[UART MUX Click schematic](#)

[UART MUX click example on Libstock](#)

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).