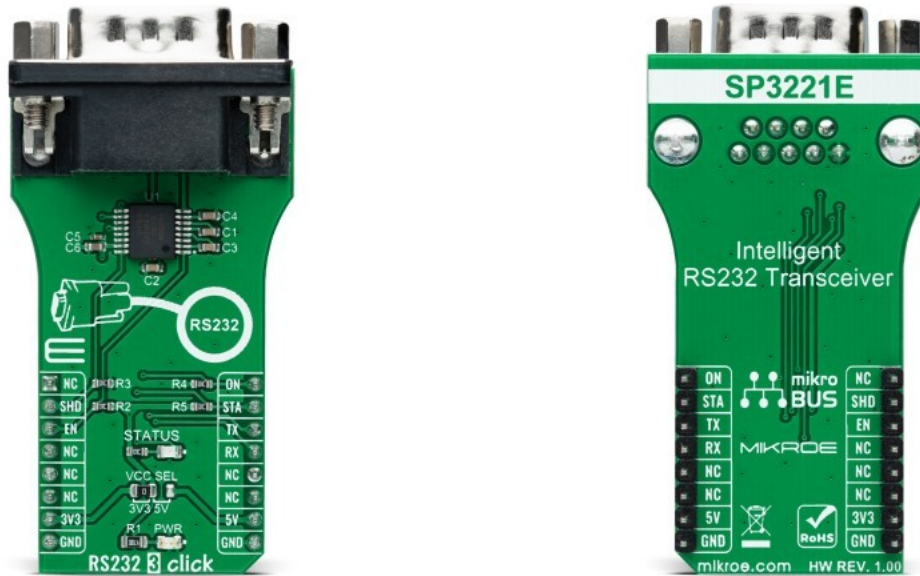


RS232 3 Click



PID: MIKROE-5109

RS232 3 Click is a compact add-on board representing a universal usable RS232 transceiver. This board features the SP3221E, a low-power RS232 transceiver from MaxLinear. The SP3221E uses an internal high-efficiency, charge-pump power supply and is compliant with EIA/TIA-232-F standards when powered by any of the mikroBUS™ power rails. The AUTO ON-LINE® feature allows the SP3221E to automatically "Wake-Up" from a Shutdown state when an RS232 cable is connected and a peripheral device is turned on. When not connected or not in use, the SP3221E will automatically shut down, drawing less supply current. This Click board™ is suitable for low-power serial communications, portable serial devices, point-of-sale equipment, and many more applications.

RS232 3 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	RS232
Applications	Can be used for low-power serial communications, portable serial devices, point-of-sale equipment, and many more applications
On-board modules	SP3221E - low-power RS232 transceiver from MaxLinear
Key Features	EIA/TIA-232-F standards, AUTO ON-LINE® circuitry automatically wakes up from a shutdown, minimum 250kbps data rate under load, Regulated charge pump yields stable RS-232 outputs regardless of power supply, and more
Interface	UART
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

[RS232 3 click example on Libstock](#)

[SP3221E datasheet](#)

[RS232 3 click 2D and 3D files](#)

[RS232 3 click schematic](#)

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