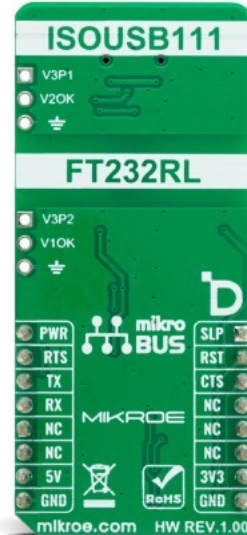


## USB UART ISO Click



PID: MIKROE-5815

**USB UART ISO Click** is a compact add-on board that offers a completely isolated differential pair of lines of the USB physical interface. This board features the [ISOUSB111](#), a full/low-speed isolated USB repeater from [Texas Instruments](#). It is a USB 2.0-compliant device that supports low-speed (1.5Mbps) and full-speed (12Mbps) signaling, USB On-The-Go (OtG), and Type-C Dual Role Port (DRP). In addition, this Click board™ comes with the [FT232R](#), a USB UART IC from FTDI, making it a complete USB-to-UART isolated solution. This Click board™ makes the perfect solution for the development of USB hub, host, peripheral, and cable isolation applications.

USB UART ISO 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             | Isolators,USB   |
| Applications     | Can be used for the development of USB hub, host, peripheral, and cable isolation applications  |
| On-board modules | ISOUSB111 - full/low-speed isolated USB repeater from Texas Instruments FT232R - USB to UART bridge from FTDI   |
| Key Features     | USB 2.0-compliant, supports low and high-speed signaling, supports automatic speed and connection detection, supports automatic role reversal for USB On-the-Go, and Type-C dual role port, insulation barrier for high voltage protection, entire USB protocol is handled on the UART chip, and more |
| Interface        | UART,USB  |
| ClickID          | Yes   |
| 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

[USB UART ISO click example on Libstock](#)

[ISOUSB111 datasheet](#)

[FT232R datasheet](#)

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

[USB UART ISO click schematic](#)

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).