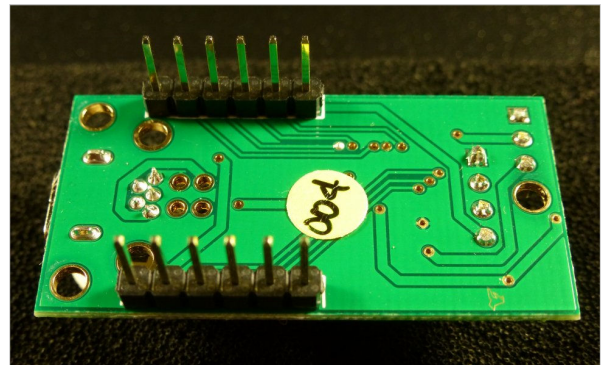




Unistep Technologies

USM - USB SERIAL UART DEVELOPMENT MODULE

USM is a mini USB development module based on the most recent FT232R USB UART IC from FTDI. USM module is designed to provide USB connectivity to circuits or devices that do not have this capability, and it is fully supported by the drivers and utilities available from FTDI for the FT232R IC. It is powered from the USB Bus and can supply power to external circuitry. The small footprint, 0.1" header pin spacing, and the quick connection port make it suitable for industrial applications, as well as for use at home and in educational institutions.



Features

- Full complement of TTL-level RS-232 data and handshake signals are supported.
- Small size and 0.1" positioning of header pins facilitates use on a prototyping board.
- A 4-pin connector on the top surface allows quick no-handshake serial asynchronous connections to external circuits.
- 5 V DC or 3.3 V DC UART I/O interface levels can be selected via an on-board jumper.
- Power, transmit and receive LED indicators for visual troubleshooting aids.
- Data rates from 300 BAUD to 3 MBAUD.
- Two CBUS I/O pins from the FT232R device available on the I/O pins.
- Both USB-B and USB Mini-B socket versions are available.
- USB 2.0 Full Speed compatible.
- The USB UART IC is supplied with a unique serial number for serialization applications.
- Lead-free (RoHS compliant).

Typical Applications

- Interfacing MCU / PLD / FPGA designs to USB
- USB to RS232 / RS422 / RS485 converters
- USB instrumentation
- USB industrial control
- Upgrading legacy peripherals to USB
- Use as a quick USB-to-RS232 TTL serial converter
- Companion to some Unistep ZigBee products to provide USB connectivity and power
- Data transfer cables and interfaces for Cellular and cordless phones
- USB smart card readers
- USB bar code readers
- USB wireless modems
- Set-top box USB-PC interfacing

Ordering Info

USM with USB-B Socket USM-BT-B10
USM with USB Mini-B Socket USM-MT-B10

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