

Features

- Low-Power 3.3V CMOS Design
- On-Board 5V to 3.3V Voltage Regulator
- Single 12 MHz Crystal
- USB Specification 1.1 Compliant.
- WHQL Certified
- Supports Data Rates from 75 bps to 3 Mbps
- External RS-232 Transceiver Shut Down
- Re-configurable Vendor Specific Parameters (Vendor-ID, Product-ID, Release #)
- Support for 4 string descriptors (Language-ID, Manufacture-ID, Product Name, Serial Number)
- Supports Remote-Wakeup and Power Management Features
- I²C Interface for EEPROM
- Low-profile 28-Pin SSOP Package

General Description

The MCS7703 controller provides bridging between the Universal Serial Bus (USB) input and an enhanced UART port. This device contains all the necessary logic to communicate with the host computer via the USB Bus.

In addition, the MCS7703 contains a 3.3V regulator and operates in Bus-Powered mode.

The MCS7703 uses a single 12 MHz crystal oscillator. This combination of features allows significant cost savings in system design along with straightforward implementation of Serial Port functionality into PC peripherals using the host's USB port.

Applications

- Cell Phone Interface Cable
- Serial Networking
- High-Speed Modems
- Monitoring Equipment

Application Note

- AN-7703

Evaluation Board

- MCS7703-EVB



Ordering Information

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Commercial Grade (0° C to +70° C)		
MCS7703CS	28-SSOP	Standard
MCS7703CS-GR	28-SSOP	RoHS

MCS7703

USB 1.1 to Single Serial Port



Block Diagram

