MCS7784

USB to IrDa Port

MOSCHIP SEMICONDUCTOR

Features

- Low-power 3.3V CMOS design
- On board 5V to 3.3V voltage regulator
- Single 12 MHz crystal
- IrDA data rates from 2.4 Kbps to 115.2 kbps in SIR mode
- USB specification 1.1 compliant.
- Re-configurable Vendor specific parameters (Vendor ID, Product ID, Release #)
- Support for 4 string descriptors (Language ID, Manufacture ID, Product Name, Serial Number)
- Supports all USB standard commands.
- I2C interface for EEPROM
- Low-profile 28-Pin SSOP package

Applications

- Cell Phones
- Embedded applications
- Add-on IrDA dingle

Application Note

- AN7784

Evaluation Board

- MCS7784-EVB

General Description

The MCS7784 controller provides bridging between the Universal Serial Bus (USB) input and IrDA port. This device contains all the necessary logic to communicate with the host computer via the USB bus. Supports data rate of 2.4Kbps to 115.2Kbps.

In addition, the MCS7784 contains a 3.3V regulator and operates in bus-powered mode. The MCS7784 uses single 12 MHz crystal oscillator.

Ordering Information

Commercial Grade (0° C to +70° C)		
MCS7784CS	28-SSOP	Standard
MCS7784CS-GR	28-SSOP	RoHS

MCS7784 Pin assignment

