ovaga

Interface Bridges, USB to UART, 3 V, 5.5 V, SOIC, 20 Pins, -40 °C

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-20
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for MCP2200-I/SO or Email to us: sales@ovaga.com We will contact you in 12 hours.　　RFQ

General Description

The MCP2200 is a USB-to-UART serial converter which enables USB connectivity in application that have a UART interface. The device reduces external components by integrating the USB termination resistors. The MCP2200 also has 256-bytes of integrated user EEPROM. The MCP2200 has eight general purpose input / output pins. Four of the pins have alternate functions to indicate USB and communication status.

Features

Universal Serial Bus (USB)

Supports Full-Speed USB (12 Mb/s)

Implements USB Protocol Composite Device CDC Device (communications and control).

Class 02h - CDC: USB-to-UART communications and I/O control

Class 03h - HID: I/O control, EEPROM access, and initial configuration

128 byte buffer to handle data throughput at any UART baud rate.

64 byte transmit

64 byte receive

Fully configurable VID and PID assignments, and string descriptors

Bus Powered or self powered USB Driver and Software Support

Royalty-free drivers for Virtual Com Port (VCP)

Windows XP(SP2 and later)/Vista/7

Configuration utility for initial configuration

Universal Asynchronous Receiver/Transmitter (UART)

Support baud rates: 300 - 1000k (baud)

Hardware flow control

UART signal polarity option General Purpose Input/Output (GPIO) Pins

Eight (8) general purpose I/O pins

EEPROM

256 bytes of user EEPROM

Other

USB activity LED outputs (TxLED and RxLED)

SSPND output pin

ULOAD output pin (indicates if requested current was allowed).

Operating voltage: 3.0 - 5.5 (V)

Oscillator input: 12 MHz

ESD protection > 4kV HBM

Industrial (I) Operating Temperature: -40°C to +85°C

Related Products

MCP23008T-E/SO

Microchip Technology, Inc
SOIC-18

MCP25625T-E/ML

Microchip Technology, Inc
QFN-28

MCP23008T-E/ML

Microchip Technology, Inc
QFN-20

MCP2551-I/P

Microchip Technology, Inc
PDIP-8

MCP2210-I/SO

Microchip Technology, Inc
SOP-20

MCP2515T-I/SO

Microchip Technology, Inc
SOIC-18

MCP2515T-I/ST

Microchip Technology, Inc

TSSOP-20

MCP2562FDT-H/SN

Microchip Technology, Inc

SOIC-8