IC CONVERTER USB-SPI 20-SOIC

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

Images are for reference only

Please submit RFQ for MCP2210-I/SO or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The MCP2210 device is a USB-to-SPI Master converter which enables USB connectivity in applications that have an SPI interface. The device reduces external components by integrating the USB termination resistors.The MCP2210 also has 256 bytes of integrated user EEPROM.The MCP2210 has nine general purpose input/output pins. Seven pins have alternate functions to indicate USB and communication status.

Please see our MikroElektronika click board! http://www.mikroe.com/click/usb-spi

Features

Universal Serial Bus (USB)

Supports full-speed USB (12 Mb/s)

Human Interface Device (HID) device

128-byte Buffer to handle data throughput:

64-byte transmit

64-byte receive

Fully configurable VID, PID assignments and string descriptors

Bus powered (factory default) or self-powered (can be selected through special USBcommands)

USB 2.0 Compliant

USB Driver and Software Support

Uses standard HID drivers (built-in support on Windows® XP, Vista, 7, Linux andMac OS®)

Configuration utility for device's power-up configuration

Utility for USB-SPI communication, GPIO manipulation and miscellaneous featuresusage

SPI Master peripheral

Supports all four SPI modes (Mode 0, 1, 2, 3)

Bit-rates from 1500 bps up to 12 Mbps

Configurable delays for SPI transactions:

Chip Select (assert) to 1st byte of data delay

Data to data delay

Data to Chip Select (de-assert) delay
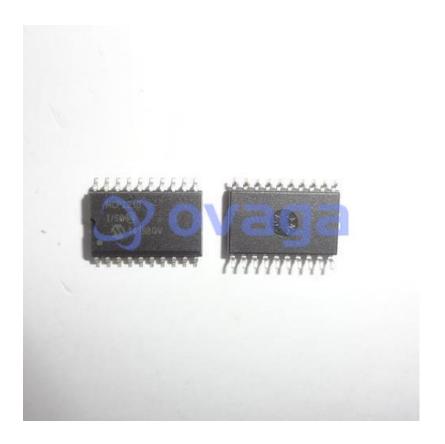
SPI transactions lengths of up to 65535 bytes long

Up to 9 Chip Select lines – to be used in any combination for a given SPI transaction(the chip select lines are shared between GPIOs and alternate function pins; certainGPs – up to 9 of them – can be assigned with the chip select functionality)

General Purpose Input/Output (GPIO) Pins

Nine general purpose I/O pins

EEPROM

256 bytes of user EEPROM (accessible only through certain USB commands)

Related Products

MCP23008T-E/SO

Microchip Technology, Inc

SOIC-18

MCP2551-I/P

Microchip Technology, Inc

PDIP-8

MCP25625T-E/ML

Microchip Technology, Inc

QFN-28

MCP23008T-E/ML

Microchip Technology, Inc

QFN-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

MCP25625-E/SS

Microchip Technology, Inc

SSOP-28