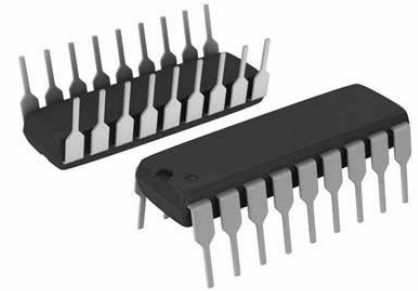


I2C Interface 1700kHz 5.5V 18-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: DIP18

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The MCP23X08 device provides 8-bit, general purpose, parallel I/O expansion for I2C bus or SPI applications. The two devices differ in the number of hardware address pins and the serial interface: • MCP23008 – I2C interface; three address pins • MCP23S08 – SPI interface; two address pins The MCP23X08 consists of multiple 8-bit configuration registers for input, output and polarity selection. The system master can enable the I/Os as either inputs or outputs by writing the I/O configuration bits. The data for each input or output is kept in the corresponding Input or Output register. The polarity of the Input Port register can be inverted with the Polarity Inversion register. All registers can be read by the system master.

Key Features

High speed I2C™ interface

3 Hardware address pins

Configurable interrupt output pin as active high, active low or open drain

Configurable interrupt source

Polarity Inversion register to configure the polarity of the input port data

External reset input

Low standby current: 1µA max.

Recommended For You

MCP23S08-E/SO

Microchip Technology, Inc

SOP18

TMC2005-JT

Microchip Technology, Inc

64-LQFP

MCP23008-E/SO

Microchip Technology, Inc

SOP18

MCP2140A-I/P

Microchip Technology, Inc
PDIP

LE89900AMC

Microchip Technology, Inc
MSOP10

MCP23008T-E/SS

Microchip Technology, Inc
SSOP-18

MCP2021-500E/SN

Microchip Technology, Inc
SOP8

MCP23009-E/MG

Microchip Technology, Inc
QFN16

MCP23S18-E/SP

Microchip Technology, Inc
DIP28

MCP23016-I/SO

Microchip Technology, Inc
SOP

MCP2003B-E/SN

Microchip Technology, Inc
SOP8

MCP2221-I/ML

Microchip Technology, Inc
QFN4x4

MCP2003-E/SN

Microchip Technology, Inc
SOP8

LPC47MI07S-MC

Microchip Technology, Inc
QFP

MCP23018-E/SP

Microchip Technology, Inc
DIP-28