

Image may be representation.
See specifications for product details.



MCP23S09-E/MG

Manufacturer Part Number	MCP23S09-E/MG
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP23S09-E/MG
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC XPNDR 10MHZ SPI 16QFN
Package	16-VFQFN Exposed Pad
Data sheet	MCP23009,23S09.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP23S09-E/MG - Microchip Technology. New Original in Stock. Download Linear Technology MCP23S09-E/MG datasheet/specifications on AllelcoElec.com. Request a quote for MCP23S09-E/MG, please send us email: info@allelco.com

Specifications

MCP23S09-E/MG Tech Specifications

MCP23S09-E/MG - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Number of I/O	8
Voltage - Supply	1.8V ~ 5.5V	Mounting Type	Surface Mount
Supplier Device Package	16-QFN (3x3)	Interrupt Output	Yes
Series	-	Interface	SPI
Package / Case	16-VFQFN Exposed Pad	Features	-
Package	Tube	Current - Output Source/Sink	25mA
Output Type	Open Drain	Clock Frequency	10 MHz
Operating Temperature	-40°C ~ 125°C	Base Product Number	MCP23S09

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP23S09-E/MG

Product Attribute				
Part Number	MCP23S09-E/MG	MCP23S17-E/SS	MCP23S18-E/SP	MCP23S08-E/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Number of I/O	8	16	16	8
Current - Output Source/Sink	25mA	25mA	25mA	25mA
Series	-	-	-	-
Clock Frequency	10 MHz	10 MHz	10 MHz	10 MHz
Interface	SPI	SPI	SPI	SPI
Supplier Device Package	16-QFN (3x3)	28-SSOP	28-SPDIP	20-SSOP
Interrupt Output	Yes	Yes	Yes	Yes
Base Product Number	MCP23S09	MCP23S17	MCP23S18	MCP23S08
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Output Type	Open Drain	Push-Pull	Open Drain	Push-Pull
Package	Tube	Tube	Tube	Tube
Package / Case	16-VFQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)	28-DIP (0.300", 7.62mm)	20-SSOP (0.209", 5.30mm Width)
Features	-	POR	-	POR

MCP23S09-E/MG Datasheet PDF

Download MCP23S09-E/MG pdf datasheets and Microchip Technology documentation for MCP23S09-E/MG - Microchip Technology.

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

PCN Assembly/Origin

Qualification QFN-28,20,16 Packages 26/Dec/2013.pdf

HTML Datasheet

MCP23009,23S09.pdf








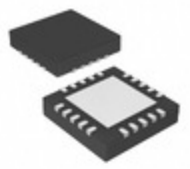



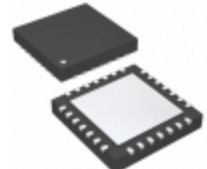
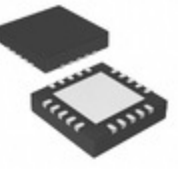


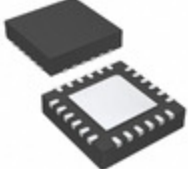

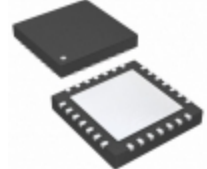
PCN Design/Specification

MCP23009/MCP23S09 12/Aug/2022.pdf

MCP23009/PIC16F505 31/Aug/2017.pdf

Customers Also Interested in

Recommended Products

 MCP2307DN Micrel / Microchip Technology	 MCP23S17-E/SS Microchip Technology IC XPNDR 10MHZ SPI 28SSOP	 MCP23S18-E/SP Microchip Technology IC XPNDR 10MHZ SPI 28SDIP	 MCP23S08-E/SS Microchip Technology IC XPNDR 10MHZ SPI 20SSOP	 MCP23S08T-E/SS Microchip Technology IC XPNDR 10MHZ SPI 20SSOP	 MCP23S18-E/SO Microchip Technology IC XPNDR 10MHZ SPI 28SOIC
 MCP23S08-E/SO Microchip Technology IC XPNDR 10MHZ SPI 18SOIC	 MCP23S08T-E/ML Microchip Technology IC XPNDR 10MHZ SPI 20QFN	 MCP23S17-E/SO Microchip Technology IC XPNDR 10MHZ SPI 28SOIC	 MCP23S17-E/SP Microchip Technology IC XPNDR 10MHZ SPI 28SDIP	 MCP23S08T-E/SO Microchip Technology IC XPNDR 10MHZ SPI 18SOIC	 MCP23S17T-E/ML Microchip Technology IC XPNDR 10MHZ SPI 28QFN
 MCP23S08-E/ML Microchip Technology IC XPNDR 10MHZ SPI 20QFN	 MCP23S17T-E/SO Microchip Technology IC XPNDR 10MHZ SPI 28SOIC	 MCP23S17T-E/SS Microchip Technology IC XPNDR 10MHZ SPI 28SSOP	 MCP23018T-E/MJ Microchip Technology IC XPNDR 3.4MHZ I2C 24QFN	 MCP23S08-E/P Microchip Technology IC XPNDR 10MHZ SPI 18DIP	 MCP23S17-E/ML Microchip Technology IC XPNDR 10MHZ SPI 28QFN

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



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Certifications & Memberships



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