



Image may be representation.
See specifications for product details.



MCP23009-E/SS

Manufacturer Part Number	MCP23009-E/SS
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP23009-E/SS
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC XPNDR 3.4MHZ I2C 20SSOP
Package	20-SSOP (0.209", 5.30mm Width)
Data sheet	MCP23009,23S09.pdf
RoHs Status	ROHS3 Compliant

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MCP23009-E/SS - Microchip Technology. New Original in Stock. Download Linear Technology MCP23009-E/SS datasheet/specifications on AllelcoElec.com. Request a quote for MCP23009-E/SS, please send us email: info@allelco.com

Specifications

MCP23009-E/SS Tech Specifications

MCP23009-E/SS - 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	20-SSOP	Interrupt Output	Yes
Series	-	Interface	I ² C
Package / Case	20-SSOP (0.209", 5.30mm Width)	Features	POR
Package	Tube	Current - Output Source/Sink	25mA
Output Type	Open Drain	Clock Frequency	3.4 MHz
Operating Temperature	-40°C ~ 125°C	Base Product Number	MCP23009

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP23009-E/SS

Product Attribute				
Part Number	MCP23009-E/SS	MCP23009T-E/MG	MCP23016-I/SP	MCP23008T-E/ML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Clock Frequency	3.4 MHz	3.4 MHz	400 kHz	1.7 MHz
Series	-	-	-	-
Supplier Device Package	20-SSOP	16-QFN (3x3)	28-SPDIP	20-QFN (4x4)
Interface	I ² C	I ² C	I ² C	I ² C
Base Product Number	MCP23009	MCP23009	MCP23016	MCP23008
Output Type	Open Drain	Open Drain	Push-Pull	Push-Pull
Features	POR	POR	POR	POR
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 125°C
Number of I/O	8	8	16	8
Current - Output Source/Sink	25mA	25mA	25mA	25mA
Interrupt Output	Yes	Yes	Yes	Yes
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Package / Case	20-SSOP (0.209", 5.30mm Width)	16-VFQFN Exposed Pad	28-DIP (0.300", 7.62mm)	20-VFQFN Exposed Pad
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	2V ~ 5.5V	1.8V ~ 5.5V

MCP23009-E/SS Datasheet PDF

Download MCP23009-E/SS pdf datasheets and Microchip Technology documentation for MCP23009-E/SS - Microchip Technology.

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

PCN Design/Specification

Lead Frame 22/Dec/2016.pdf

MCP23009/MCP23S09 12/Aug/2022.pdf

PCN Assembly/Origin

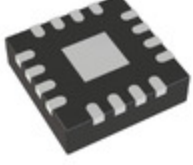


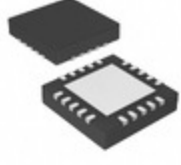
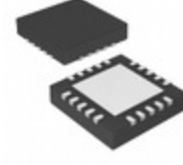




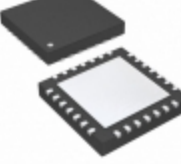








Mult Devices 12/Sep/2018.pdf

HTML Datasheet

MCP23009,23S09.pdf

Customers Also Interested in

Recommended Products

					
MCP23009T-E/MG Microchip Technology IC XPNDR 3.4MHZ I2C 16QFN	MCP23008E/ML Micrel / Microchip Technology	MCP23016-I/SP Microchip Technology IC XPNDR 400KHZ I2C 28SDIP	MCP23008T-E/ML Microchip Technology IC XPNDR 1.7MHZ I2C 20QFN	MCP23008-E/ML Microchip Technology IC XPNDR 1.7MHZ I2C 20QFN	MCP23016T-I/SO Microchip Technology IC XPNDR 400KHZ I2C 28SOIC
					
MCP23008-E/P Microchip Technology IC XPNDR 1.7MHZ I2C 18DIP	MCP23008-I/SS Micrel / Microchip Technology	MCP23016-I/SO Microchip Technology IC XPNDR 400KHZ I2C 28SOIC	MCP23016-I/ML Microchip Technology IC XPNDR 400KHZ I2C 28QFN	MCP23009-E/SO Microchip Technology IC XPNDR 3.4MHZ I2C 18SOIC	MCP23008-E/SS Microchip Technology IC XPNDR 1.7MHZ I2C 20SSOP
					
MCP23009T-E/SS Microchip Technology IC XPNDR 3.4MHZ I2C 20SSOP	MCP23016-I/SS Microchip Technology IC XPNDR 400KHZ I2C 28SSOP	MCP23008-E/SO Microchip Technology IC XPNDR 1.7MHZ I2C 18SOIC	MCP23016I/ML Micrel / Microchip Technology	MCP23008T-E/SO Microchip Technology IC XPNDR 1.7MHZ I2C 18SOIC	MCP23008T-E/SS Microchip Technology IC XPNDR 1.7MHZ I2C 20SSOP

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.

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Certifications & Memberships



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