

Image may be representation.  
See specifications for product details.



## MCP23S08-E/ML

Manufacturer Part Number	<a href="#">MCP23S08-E/ML</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-MCP23S08-E/ML
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC XPNDR 10MHZ SPI 20QFN
Package	20-VFQFN Exposed Pad
Data sheet	<a href="#">Cylindrical Battery Holders.pdf</a>
RoHs Status	ROHS3 Compliant

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MCP23S08-E/ML - Microchip Technology. New Original in Stock. Download Linear Technology MCP23S08-E/ML datasheet/specifications on AllelcoElec.com. Request a quote for MCP23S08-E/ML, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP23S08-E/ML Tech Specifications

MCP23S08-E/ML - 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-QFN (4x4)	Interrupt Output	Yes
Series	-	Interface	SPI
Package / Case	20-VFQFN Exposed Pad	Features	POR
Package	Tube	Current - Output Source/Sink	25mA
Output Type	Push-Pull	Clock Frequency	10 MHz
Operating Temperature	-40°C ~ 125°C	Base Product Number	MCP23S08

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP23S08-E/ML

Product Attribute				
Part Number	<a href="#">MCP23S08-E/ML</a>	<a href="#">MCP23018-E/MJ</a>	<a href="#">MCP23S08-E/P</a>	<a href="#">MCP23018-E/SS</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Series	-	-	-	-
Interface	SPI	I <sup>2</sup> C	SPI	I <sup>2</sup> C
Supplier Device Package	20-QFN (4x4)	24-QFN (4x4)	18-PDIP	24-SSOP
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Features	POR	POR	POR	POR
Clock Frequency	10 MHz	3.4 MHz	10 MHz	3.4 MHz
Current - Output Source/Sink	25mA	25mA	25mA	25mA
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Package	Tube	Tube	Tube	Tube
Base Product Number	MCP23S08	MCP23018	MCP23S08	MCP23018
Package / Case	20-VFQFN Exposed Pad	24-VFQFN Exposed Pad	18-DIP (0.300', 7.62mm)	24-SSOP (0.209', 5.30mm Width)
Output Type	Push-Pull	Open Drain	Push-Pull	Open Drain
Interrupt Output	Yes	Yes	Yes	Yes
Number of I/O	8	16	8	16

### MCP23S08-E/ML Datasheet PDF

Download MCP23S08-E/ML pdf datasheets and Microchip Technology documentation for MCP23S08-E/ML - Microchip Technology.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

#### Other Related Documents

[Cylindrical Battery Holders.pdf](#)

#### PCN Assembly/Origin

[Qualification Report 28/Jan/2014.pdf](#)

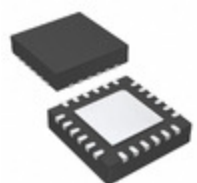



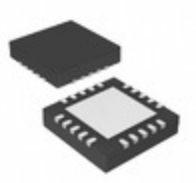
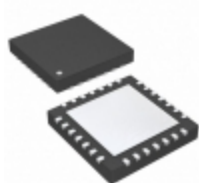






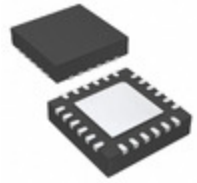
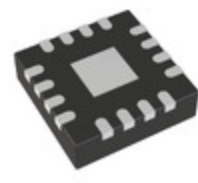
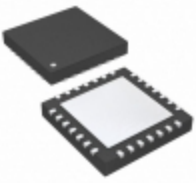



#### PCN Design/Specification

[MCP23008/MCP23S08 06/Jul/2022.pdf](#)

[MCP23008/MCP23S08 29/Mar/2019.pdf](#)

## Customers Also Interested in

### Recommended Products

 <b>MCP23018-E/MJ</b> Microchip Technology IC XPNDR 3.4MHZ I2C 24QFN	 <b>MCP2307DN</b> Micrel / Microchip Technology	 <b>MCP23S08-E/P</b> Microchip Technology IC XPNDR 10MHZ SPI 18DIP	 <b>MCP23018-E/SS</b> Microchip Technology IC XPNDR 3.4MHZ I2C 24SSOP	 <b>MCP23S08T-E/ML</b> Microchip Technology IC XPNDR 10MHZ SPI 20QFN	 <b>MCP23017T-E/ML</b> Microchip Technology IC XPNDR 1.7MHZ I2C 28QFN
 <b>MCP23S08-E/SO</b> Microchip Technology IC XPNDR 10MHZ SPI 18SOIC	 <b>MCP23018-E/SP</b> Microchip Technology IC XPNDR 3.4MHZ I2C 28SDIP	 <b>MCP23S08T-E/SO</b> Microchip Technology IC XPNDR 10MHZ SPI 18SOIC	 <b>MCP23017T-E/SS</b> Microchip Technology IC XPNDR 1.7MHZ I2C 28SSOP	 <b>MCP23S17-E/SO</b> Microchip Technology IC XPNDR 10MHZ SPI 28SOIC	 <b>MCP23S17-E/SP</b> Microchip Technology IC XPNDR 10MHZ SPI 28SDIP
 <b>MCP23018T-E/MJ</b> Microchip Technology IC XPNDR 3.4MHZ I2C 24QFN	 <b>MCP23S09-E/MG</b> Microchip Technology IC XPNDR 10MHZ SPI 16QFN	 <b>MCP23S17-E/ML</b> Microchip Technology IC XPNDR 10MHZ SPI 28QFN	 <b>MCP23017T-E/SO</b> Microchip Technology IC XPNDR 1.7MHZ I2C 28SOIC	 <b>MCP23S08-E/SS</b> Microchip Technology IC XPNDR 10MHZ SPI 20SSOP	 <b>MCP23S08T-E/SS</b> Microchip Technology IC XPNDR 10MHZ SPI 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

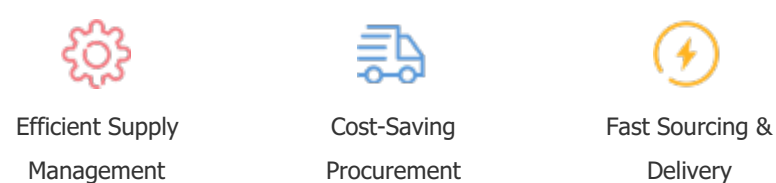
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

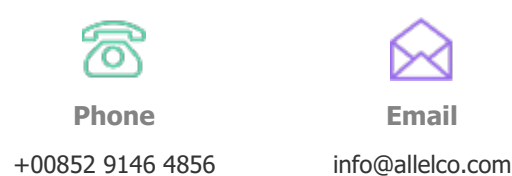
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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