

Image may be representation.  
See specifications for product details.



## MCP3301-CI/MS

Manufacturer Part Number	<a href="#">MCP3301-CI/MS</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-MCP3301-CI/MS
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC ADC 13BIT SAR 8MSOP
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	<a href="#">MCP3301.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

[Get a Quote](#)

MCP3301-CI/MS - Microchip Technology. New Original in Stock. Download Linear Technology MCP3301-CI/MS datasheet/specifications on AllelcoElec.com. Request a quote for MCP3301-CI/MS, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP3301-CI/MS Tech Specifications

MCP3301-CI/MS - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Number of Inputs	1
Voltage - Supply, Digital	5V	Number of Bits	13
Voltage - Supply, Analog	5V	Number of A/D Converters	1
Supplier Device Package	8-MSOP	Mounting Type	Surface Mount
Series	-	Input Type	Differential
Sampling Rate (Per Second)	100k	Features	-
Reference Type	External	Data Interface	SPI
Ratio - S/H:ADC	1:1	Configuration	S/H-ADC
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Base Product Number	MCP3301
Package	Tube	Architecture	SAR
Operating Temperature	-40°C ~ 85°C		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP3301-CI/MS

Product Attribute				
Part Number	MCP3301-CI/MS	<a href="#">MCP3301-CI/SN</a>	<a href="#">MCP3208T-CI/SL</a>	<a href="#">MCP3302-BI/SL</a>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)	14-SOIC (0.154", 3.90mm Width)
Supplier Device Package	8-MSOP	8-SOIC	16-SOIC	14-SOIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Ratio - S/H:ADC	1:1	1:1	1:1	1:1
Package	Tube	Tube	Tape & Reel (TR)	Tube
Configuration	S/H-ADC	S/H-ADC	MUX-S/H-ADC	MUX-S/H-ADC
Base Product Number	MCP3301	MCP3301	MCP3208	MCP3302
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Data Interface	SPI	SPI	SPI	SPI
Voltage - Supply, Analog	5V	5V	2.7V ~ 5.5V	5V
Features	-	-	-	-
Number of Bits	13	13	12	13
Input Type	Differential	Differential	Pseudo-Differential, Single Ended	Differential, Single Ended
Number of Inputs	1	1	4, 8	2, 4
Sampling Rate (Per Second)	100k	100k	100k	100k
Number of A/D Converters	1	1	1	1
Voltage - Supply, Digital	5V	5V	2.7V ~ 5.5V	5V
Reference Type	External	External	External	External
Series	-	-	-	-
Architecture	SAR	SAR	SAR	SAR

### MCP3301-CI/MS Datasheet PDF

Download MCP3301-CI/MS pdf datasheets and Microchip Technology documentation for MCP3301-CI/MS - Microchip Technology.

#### Datasheets


[MCP3301.pdf](#)

#### PCN Packaging


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

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

## Other Related Documents

 Development Tools Catalog.pdf

## PCN Design/Specification

 Bond Wire Qualification 13/Jun/2016.pdf

## PCN Assembly/Origin

 Mult Devices 28/Nov/2017.pdf

## Customers Also Interested in

### Recommended Products



#### MCP3301-CI/SN

Microchip Technology  
IC ADC 13BIT SAR 8SOIC



#### MCP3208T-CI/SL

Microchip Technology  
IC ADC 12BIT SAR 16SOIC



#### MCP3302-BI/SL

Microchip Technology  
IC ADC 13BIT SAR 14SOIC



#### MCP3221A5T-E/OT

Microchip Technology  
IC ADC 12BIT SAR SOT23-5



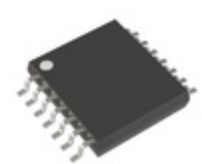
#### MCP3301-CI/P

Microchip Technology  
IC ADC 13BIT SAR 8DIP



#### MCP3302-CI/SL

Microchip Technology  
IC ADC 13BIT SAR 14SOIC



#### MCP3302-BI/ST

Microchip Technology  
IC ADC 13BIT SAR 14TSSOP



#### MCP3304-CI/P

Microchip Technology  
IC ADC 13BIT SAR 16DIP



#### MCP3302-BI/P

Microchip Technology  
IC ADC 13BIT SAR 14DIP



#### MCP3221A5T-I/OT

Microchip Technology  
IC ADC 12BIT SAR SOT23-5



#### MCP3221A0T-E/OT

Microchip Technology  
IC ADC 12BIT SAR SOT23-5



#### MCP3301-BI/SN

Microchip Technology  
IC ADC 13BIT SAR 8SOIC



#### MCP3301-BI/MS

Microchip Technology  
IC ADC 13BIT SAR 8MSOP



#### MCP3301T-CI/SN

Microchip Technology  
IC ADC 13BIT SAR 8SOIC



#### MCP3304-CI/SL

Microchip Technology  
IC ADC 13BIT SAR 16SOIC



#### MCP3208T-BI/SL

Microchip Technology  
IC ADC 12BIT SAR 16SOIC



#### MCP3208-CI/SLVAO

Microchip Technology  
IC ADC 12BIT SAR 16SOIC



#### MCP3304-BI/SL

Microchip Technology  
IC ADC 13BIT SAR 16SOIC

## 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.

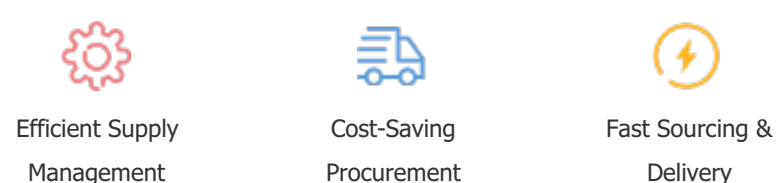
Contact us if you have any questions.

## 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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