

Image may be representation.
See specifications for product details.



MCP3561T-E/NC

Manufacturer Part Number	MCP3561T-E/NC
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP3561T-E/NC
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC ADC 24BIT SIGMA-DELTA 20UQFN
Package	20-UQFN Exposed Pad
Data sheet	MCP3561/2/4.pdf
RoHs Status	ROHS3 Compliant

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Specifications

MCP3561T-E/NC Tech Specifications

MCP3561T-E/NC - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Number of Inputs	1
Voltage - Supply, Digital	-	Number of Bits	24
Voltage - Supply, Analog	2.7V ~ 3.6V	Number of A/D Converters	1
Supplier Device Package	20-UQFN (3x3)	Mounting Type	Surface Mount
Series	-	Input Type	Differential, Single Ended
Sampling Rate (Per Second)	153.6k	Features	Internal Oscillator, PGA, Temperature Sensor
Reference Type	External	Data Interface	SPI
Ratio - S/H:ADC	-	Configuration	-
Package / Case	20-UQFN Exposed Pad	Base Product Number	MCP3561
Package	Tape & Reel (TR)	Architecture	Sigma-Delta
Operating Temperature	-40°C ~ 125°C		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP3561T-E/NC

Product Attribute				
Part Number	MCP3561T-E/NC	MCP3425A1T-E/CH	MCP37D21-200I/TE	MCP3426A0-E/SN
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Configuration	-	PGA-ADC	MUX-ADC	MUX-PGA-ADC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
Voltage - Supply, Analog	2.7V ~ 3.6V	2.7V ~ 5.5V	1.14V ~ 1.26V, 1.71V ~ 1.89V	2.7V ~ 5.5V
Base Product Number	MCP3561	MCP3425	MCP37D21	MCP3426
Input Type	Differential, Single Ended	Differential	Differential	Differential
Data Interface	SPI	I ² C	LVDS - Parallel, Parallel	I ² C
Architecture	Sigma-Delta	Sigma-Delta	Pipelined	Sigma-Delta
Features	Internal Oscillator, PGA, Temperature Sensor	PGA	-	PGA
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 125°C
Voltage - Supply, Digital	-	2.7V ~ 5.5V	1.14V ~ 1.26V, 1.71V ~ 1.89V	2.7V ~ 5.5V
Supplier Device Package	20-UQFN (3x3)	SOT-23-6	121-TFBGA (8x8)	8-SOIC
Number of Bits	24	16	14	16
Sampling Rate (Per Second)	153.6k	15	200M	15
Package / Case	20-UQFN Exposed Pad	SOT-23-6	121-TFBGA	8-SOIC (0.154', 3.90mm Width)
Ratio - S/H:ADC	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tube
Number of A/D Converters	1	1	1	1
Number of Inputs	1	1	1, 2, 4, 8	2
Reference Type	External	Internal	Internal	Internal

MCP3561T-E/NC Datasheet PDF

Download MCP3561T-E/NC pdf datasheets and Microchip Technology documentation for MCP3561T-E/NC - Microchip Technology.

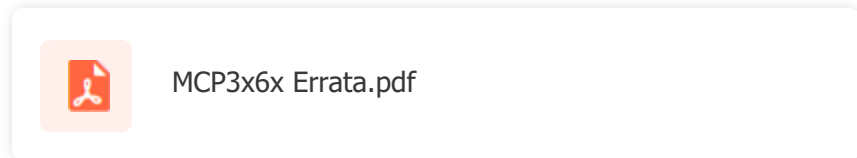
Datasheets

MCP3561/2/4.pdf

PCN Design/Specification



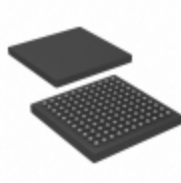













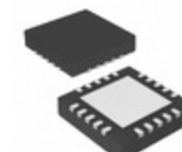

MCP3561/2/4 02/Apr/2021.pdf

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Recommended Products

 MCP3905AT-I/SS Microchip Technology IC POWER METERING-1 PHASE 24SSOP	 MCP3425A1T-E/CH Microchip Technology IC ADC 16BIT SIGMA-DELTA SOT23-6	 MCP37D21-200I/TE Microchip Technology IC ADC 14BIT PIPELINED 121TFBGA 24SSOP	 MCP3426A0-E/SN Microchip Technology IC ADC 16BIT SIGMA-DELTA 8SOIC	 MCP3550-50E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC	 MCP3428T-E/SL Microchip Technology IC ADC 16BIT SIGMA-DELTA 14SOIC
 MCP3901A0-I/SS Microchip Technology IC AFE 2 CHAN 24BIT 20SSOP	 MCP3553-E/MS Microchip Technology IC ADC 22BIT SIGMA-DELTA 8MSOP	 MCP3903-E/SS Microchip Technology IC AFE 6 CHAN 24BIT 28SSOP	 MCP3428-E/SL Microchip Technology IC ADC 16BIT SIGMA-DELTA 14SOIC	 MCP3553-E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC	 MCP3551-E/MS Microchip Technology IC ADC 22BIT SIGMA-DELTA 8MSOP
 MCP3901A0-E/SS Microchip Technology IC AFE 2 CHAN 24BIT 20SSOP	 MCP3901A0T-I/SS Microchip Technology IC AFE 2 CHAN 24BIT 20SSOP	 MCP3551-E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC	 MCP3905A-E/SS Microchip Technology IC POWER METER 1-PHASE 24SSOP	 MCP3901A0-E/ML Microchip Technology IC AFE 2 CHAN 24BIT 20QFN	 MCP3551T-E/SN Microchip Technology IC ADC 22BIT SIGMA-DELTA 8SOIC

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 -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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