

Image may be representation.
See specifications for product details.



MCP3553-E/SN

Manufacturer Part Number	MCP3553-E/SN
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP3553-E/SN
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC ADC 22BIT SIGMA-DELTA 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	MCP3550/1/3.pdf
RoHs Status	ROHS3 Compliant

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MCP3553-E/SN - Microchip Technology. New Original in Stock. Download Linear Technology MCP3553-E/SN datasheet/specifications on AllelcoElec.com.
Request a quote for MCP3553-E/SN, please send us email: info@allelco.com

Specifications

MCP3553-E/SN Tech Specifications

MCP3553-E/SN - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Number of Inputs	1
Voltage - Supply, Digital	2.7V ~ 5.5V	Number of Bits	22
Voltage - Supply, Analog	2.7V ~ 5.5V	Number of A/D Converters	1
Supplier Device Package	8-SOIC	Mounting Type	Surface Mount
Series	-	Input Type	Differential
Sampling Rate (Per Second)	60	Features	-
Reference Type	External	Data Interface	SPI
Ratio - S/H:ADC	-	Configuration	ADC
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	MCP3553
Package	Tube	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 MCP3553-E/SN

Product Attribute				
Part Number	MCP3553-E/SN	MCP3551-E/SN	MCP3553-E/MS	MCP3561T-E/NC
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Reference Type	External	External	External	External
Base Product Number	MCP3553	MCP3551	MCP3553	MCP3561
Data Interface	SPI	SPI	SPI	SPI
Number of A/D Converters	1	1	1	1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Series	-	-	-	-
Number of Bits	22	22	22	24
Supplier Device Package	8-SOIC	8-SOIC	8-MSOP	20-UQFN (3x3)
Configuration	ADC	ADC	ADC	-
Number of Inputs	1	1	1	1
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	20-UQFN Exposed Pad
Input Type	Differential	Differential	Differential	Differential, Single Ended
Architecture	Sigma-Delta	Sigma-Delta	Sigma-Delta	Sigma-Delta
Ratio - S/H:ADC	-	-	-	-
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	-
Voltage - Supply, Analog	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 3.6V
Package	Tube	Tube	Tube	Tape & Reel (TR)
Features	-	-	-	Internal Oscillator, PGA, Temperature Sensor
Sampling Rate (Per Second)	60	14	60	153.6k

MCP3553-E/SN Datasheet PDF

Download MCP3553-E/SN pdf datasheets and Microchip Technology documentation for MCP3553-E/SN - Microchip Technology.

Datasheets


MCP3550/1/3.pdf

PCN Packaging


Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

Other Related Documents

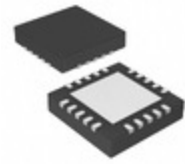
 Development Tools Catalog.pdf

PCN Assembly/Origin

 Manufacturing Change 16/Feb/2022.pdf

Customers Also Interested in

Recommended Products



MCP3901A0-E/ML

Microchip Technology
IC AFE 2 CHAN 24BIT 20QFN



MCP3905A-E/SS

Microchip Technology
IC POWER METER 1-PHASE 24SSOP



MCP3551-E/SN

Microchip Technology
IC ADC 22BIT SIGMA-DELTA 8SOIC



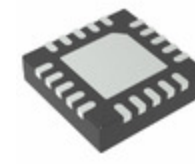
MCP3901A0-E/SS

Microchip Technology
IC AFE 2 CHAN 24BIT 20SSOP



MCP3553-E/MS

Microchip Technology
IC ADC 22BIT SIGMA-DELTA 8MSOP



MCP3561T-E/NC

Microchip Technology
IC ADC 24BIT SIGMA-DELTA 20UQFN



MCP3551-E/MS

Microchip Technology
IC ADC 22BIT SIGMA-DELTA 8MSOP



MCP3901A0-I/SS

Microchip Technology
IC AFE 2 CHAN 24BIT 20SSOP



MCP3551T-E/SN

Microchip Technology
IC ADC 22BIT SIGMA-DELTA 8SOIC



MCP3426A0-E/SN

Microchip Technology
IC ADC 16BIT SIGMA-DELTA 8SOIC



MCP3903-E/SS

Microchip Technology
IC AFE 6 CHAN 24BIT 28SSOP



MCP3428T-E/SL

Microchip Technology
IC ADC 16BIT SIGMA-DELTA 14SOIC



MCP3550-50E/SN

Microchip Technology
IC ADC 22BIT SIGMA-DELTA 8SOIC



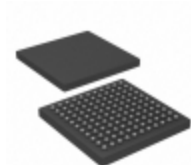
MCP3425A1T-E/CH

Microchip Technology
IC ADC 16BIT SIGMA-DELTA SOT23-6



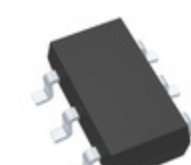
MCP3428-E/SL

Microchip Technology
IC ADC 16BIT SIGMA-DELTA 14SOIC



MCP37D21-200I/TE

Microchip Technology
IC ADC 14BIT PIPELINED 121TFBGA



MCP3425A0T-E/CH

Microchip Technology
IC ADC 16BIT SIGMA-DELTA SOT23-6



MCP3901A0T-I/SS

Microchip Technology
IC AFE 2 CHAN 24BIT 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 -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

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Email

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Certifications & Memberships



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