

Image may be representation.  
See specifications for product details.



## MCP3428-E/SL

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <a href="#">MCP3428-E/SL</a>   |
| Manufacturer             | <a href="#">Microchip Technology</a>   |
| Allelco Part Number      | 32D-MCP3428-E/SL   |
| ECAD Model               | PCB Symbol, Footprint & 3D Model   |
| Parts Description        | IC ADC 16BIT SIGMA-DELTA 14SOIC  |
| Package                  | 14-SOIC (0.154", 3.90mm Width)   |
| Data sheet               | <a href="#">Analog and Interface Product Guide.pdf</a><br><a href="#">MCP3426-28.pdf</a> |
| RoHs Status              | ROHS3 Compliant  |

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MCP3428-E/SL - Microchip Technology. New Original in Stock. Download Linear Technology MCP3428-E/SL datasheet/specifications on AllelcoElec.com. Request a quote for MCP3428-E/SL, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP3428-E/SL Tech Specifications

MCP3428-E/SL - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                | Product Attribute        | Attribute Value         |
|----------------------------|--------------------------------|--------------------------|-------------------------|
| Manufacturer               | Microchip Technology           | Number of Inputs         | 4                       |
| Voltage - Supply, Digital  | 2.7V ~ 5.5V                    | Number of Bits           | 16                      |
| Voltage - Supply, Analog   | 2.7V ~ 5.5V                    | Number of A/D Converters | 1                       |
| Supplier Device Package    | 14-SOIC                        | Mounting Type            | Surface Mount           |
| Series                     | -                              | Input Type               | Differential            |
| Sampling Rate (Per Second) | 15                             | Features                 | PGA, Selectable Address |
| Reference Type             | Internal                       | Data Interface           | I <sup>2</sup> C        |
| Ratio - S/H:ADC            | -                              | Configuration            | MUX-PGA-ADC             |
| Package / Case             | 14-SOIC (0.154", 3.90mm Width) | Base Product Number      | MCP3428                 |
| 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 MCP3428-E/SL

| Product Attribute          |                                |                               |                                |                                |
|----------------------------|--------------------------------|-------------------------------|--------------------------------|--------------------------------|
| Part Number                | MCP3428-E/SL                   | <a href="#">MCP3551-E/SN</a>  | <a href="#">MCP3426A0-E/SN</a> | <a href="#">MCP3550-50E/SN</a> |
| Manufacturer               | Microchip Technology           | Microchip Technology          | Microchip Technology           | Microchip Technology           |
| Voltage - Supply, Analog   | 2.7V ~ 5.5V                    | 2.7V ~ 5.5V                   | 2.7V ~ 5.5V                    | 2.7V ~ 5.5V                    |
| Voltage - Supply, Digital  | 2.7V ~ 5.5V                    | 2.7V ~ 5.5V                   | 2.7V ~ 5.5V                    | 2.7V ~ 5.5V                    |
| Supplier Device Package    | 14-SOIC                        | 8-SOIC                        | 8-SOIC                         | 8-SOIC                         |
| Features                   | PGA, Selectable Address        | -                             | PGA                            | -                              |
| Ratio - S/H:ADC            | -                              | -                             | -                              | -                              |
| Configuration              | MUX-PGA-ADC                    | ADC                           | MUX-PGA-ADC                    | ADC                            |
| Package                    | Tube                           | Tube                          | Tube                           | Tube                           |
| Series                     | -                              | -                             | -                              | -                              |
| Input Type                 | Differential                   | Differential                  | Differential                   | Differential                   |
| Sampling Rate (Per Second) | 15                             | 14                            | 15                             | 15                             |
| Data Interface             | I <sup>2</sup> C               | SPI                           | I <sup>2</sup> C               | SPI                            |
| Base Product Number        | MCP3428                        | MCP3551                       | MCP3426                        | MCP3550                        |
| Package / Case             | 14-SOIC (0.154", 3.90mm Width) | 8-SOIC (0.154", 3.90mm Width) | 8-SOIC (0.154", 3.90mm Width)  | 8-SOIC (0.154", 3.90mm Width)  |
| Number of Bits             | 16                             | 22                            | 16                             | 22                             |
| Number of Inputs           | 4                              | 1                             | 2                              | 1                              |
| Operating Temperature      | -40°C ~ 125°C                  | -40°C ~ 125°C                 | -40°C ~ 125°C                  | -40°C ~ 125°C                  |
| Reference Type             | Internal                       | External                      | Internal                       | External                       |
| Number of A/D Converters   | 1                              | 1                             | 1                              | 1                              |
| Architecture               | Sigma-Delta                    | Sigma-Delta                   | Sigma-Delta                    | Sigma-Delta                    |
| Mounting Type              | Surface Mount                  | Surface Mount                 | Surface Mount                  | Surface Mount                  |

### MCP3428-E/SL Datasheet PDF

Download MCP3428-E/SL pdf datasheets and Microchip Technology documentation for MCP3428-E/SL - Microchip Technology.

#### Datasheets

[Analog and Interface Product Guide.pdf](#)


[MCP3426-28.pdf](#)

#### PCN Packaging

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

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

## PCN Design/Specification

 Copper Bond Wire 5/Nov/2015.pdf

## PCN Assembly/Origin

 Mult Devices 25/Jan/2018.pdf

## Customers Also Interested in

### Recommended Products



#### MCP3551-E/SN

Microchip Technology  
IC ADC 22BIT SIGMA-DELTA 8SOIC



#### MCP3426A0-E/SN

Microchip Technology  
IC ADC 16BIT SIGMA-DELTA 8SOIC



#### MCP3550-50E/SN

Microchip Technology  
IC ADC 22BIT SIGMA-DELTA 8SOIC



#### MCP3424T-E/SL

Microchip Technology  
IC ADC 18BIT SIGMA-DELTA 14SOIC



#### MCP3422A0-E/MS

Microchip Technology  
IC ADC 18BIT SIGMA-DELTA 8MSOP



#### MCP3422A1-E/SN

Microchip Technology  
IC ADC 18BIT SIGMA-DELTA 8SOIC



#### MCP3424-E/SL

Microchip Technology  
IC ADC 18BIT SIGMA-DELTA 14SOIC



#### MCP3425A0T-E/CH

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



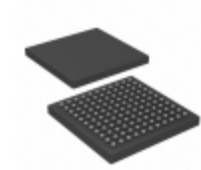
#### MCP3553-E/SN

Microchip Technology  
IC ADC 22BIT SIGMA-DELTA 8SOIC



#### MCP3425A1T-E/CH

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



#### MCP37D21-200I/TE

Microchip Technology  
IC ADC 14BIT PIPELINED 121TFBGA



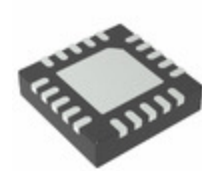
#### MCP3553-E/MS

Microchip Technology  
IC ADC 22BIT SIGMA-DELTA 8MSOP



#### MCP3424-E/ST

Microchip Technology  
IC ADC 18BIT SIGMA-DELTA 14TSSOP



#### MCP3561T-E/NC

Microchip Technology  
IC ADC 24BIT SIGMA-DELTA 20UQFN



#### MCP3551-E/MS

Microchip Technology  
IC ADC 22BIT SIGMA-DELTA 8MSOP



#### MCP3428T-E/SL

Microchip Technology  
IC ADC 16BIT SIGMA-DELTA 14SOIC



#### MCP3422A0-E/SN

Microchip Technology  
IC ADC 18BIT SIGMA-DELTA 8SOIC



#### 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

Contact us if you have any questions.



Phone

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Email

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## Certifications & Memberships



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