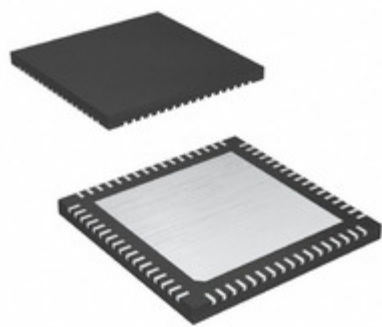


MAX12528ETK+TD





**Part Number:** [MAX12528ETK+TD](#)

**Manufacturer:** [Maxim Integrated](#)

**Description** IC ADC 12BIT 80MSPS 68-TQFN

**Data sheet:**  [Part Numbering System](#)  
 [MAX12528](#)

**RoHs Status:** Lead free / RoHS Compliant

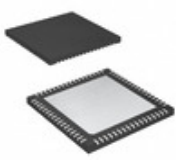
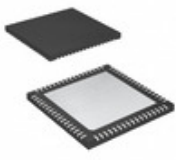
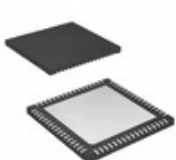
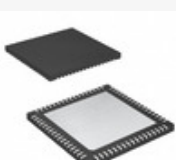
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                           |                                |                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MAX12528ETK+TD                                                            | Manufacturer                   | <a href="#">Maxim Integrated</a>                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC ADC 12BIT 80MSPS 68-TQFN                                               | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4091 pcs                                                                  | Data sheet                     | <a href="#">Part Numbering System</a><br><a href="#">MAX12528</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                 | Voltage - Supply, Digital      | 3.15 V ~ 3.6 V                                                    |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.15 V ~ 3.6 V                                                            | Supplier Device Package        | 68-TQFN-EP (10x10)                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                         | Sampling Rate (Per Second)     | 80M                                                               |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                              | External, Internal                                                        | Ratio - S/H:ADC                | 1:1                                                               |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tape & Reel (TR)                                                          | Package / Case                 | 68-TQFN Exposed Pad                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C                                                              | Number of Inputs               | 2                                                                 |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12                                                                        | Number of A/D Converters       | 2                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                                                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                        |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Differential, Single Ended                                                | Features                       | Simultaneous Sampling                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12 Bit Analog to Digital Converter 2 Input 2 Pipelined 68-TQFN-EP (10x10) | Data Interface                 | Parallel                                                          |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                               | S/H-ADC                                                                   | Base Part Number               | MAX12528                                                          |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pipelined                                                                 |                                |                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                       |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------|
|  | Part#: <a href="#">MAX12529ETK+D</a><br>Description: IC ADC 12BIT 96MSPS DL 68-TQFN  | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1249BEPE+</a><br>Description: IC ADC 10BIT SERIAL 16-DIP       | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12527ETK+D</a><br>Description: IC ADC 12BIT 65MSPS 68-TQFN     | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12555ETL+</a><br>Description: IC ADC 14BIT 95MSPS 40-TQFN      | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX124K00B</a><br>Description: RES 124K OHM 0.1% 1/5W RADIAL      | Manufacturers: <a href="#">Vishay Precision Group</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1254BEUE+</a><br>Description: IC ADC 12BIT W/REF 16-TSSOP      | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1249BEEE+</a><br>Description: IC ADC 10BIT SERIAL 16-QSOP      | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1254BEUE+T</a><br>Description: IC ADC 12BIT W/REF 16-TSSOP     | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1253BEUE+T</a><br>Description: IC ADC 12BIT W/REF 16-TSSOP     | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1249BCEE+T</a><br>Description: IC ADC 10BIT SERIAL 16-QSOP     | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1249BCPE+</a><br>Description: IC ADC 4CH 10BIT 133KSPS 16-DIP  | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12555ETL+T</a><br>Description: IC ADC 14BIT 95MSPS 40-TQFN     | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12529ETK+TD</a><br>Description: IC ADC 12BIT 96MSPS DL 68-TQFN | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12527ETK+TD</a><br>Description: IC ADC 12BIT 65MSPS 68-TQFN    | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12553ETL+</a><br>Description: IC ADC 14BIT 65MSPS TQFN-40      | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12528EVKIT</a><br>Description: EVAL KIT FOR MAX12528           | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1253BEUE+</a><br>Description: IC ADC 12BIT W/REF 16-TSSOP      | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1249BEEE+T</a><br>Description: IC ADC 10BIT SERIAL 16-QSOP     | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1249BCPE</a><br>Description: IC ADC 4CH 10BIT 133KSPS 16-DIP   | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX12528ETK+D</a><br>Description: IC ADC 12BIT 80MSPS 68-TQFN     | Manufacturers: <a href="#">Maxim Integrated</a>       | <a href="#">RFQ</a> |

Related keywords for MAX12528ETK+TD

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