

MAX1281BCUP+



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**Part Number:** [MAX1281BCUP+](#)  
**Manufacturer:** [Maxim Integrated](#)  
**Description** IC ADC 12BIT 300KSPS 20-TSSOP  
**Data sheet:**  [MAX1280/81](#)  
 [Part Numbering System](#)

**RoHs Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                           |                                 |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|---------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX1281BCUP+                              | Manufacturer                    | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC ADC 12BIT 300KSPS 20-TSSOP             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9172 pcs                                  | Data sheet                      | <a href="#">MAX1280/81</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital       | 2.7 V ~ 3.6 V                                                       |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.7 V ~ 3.6 V                             | Supplier Device Package         | 20-TSSOP                                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Sampling Rate (Per Second)      | 300k                                                                |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                            | External, Internal                        | Ratio - S/H:ADC                 | 1:1                                                                 |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tube                                      | Package / Case                  | 20-TSSOP (0.173", 4.40mm Width)                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0°C ~ 70°C                                | Number of Inputs                | 4, 8                                                                |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12                                        | Number of A/D Converters        | 1                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 (Unlimited)                             | Manufacturer Standard Lead Time | 6 Weeks                                                             |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                | Input Type                      | Pseudo-Differential, Single Ended                                   |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Detailed Description            | 12 Bit Analog to Digital Converter 4, 8 Input 1 SAR 20-TSSOP        |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                            | SPI                                       | Configuration                   | MUX-S/H-ADC                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                          | MAX1281                                   | Architecture                    | SAR                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                 |                     |
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|  | Part#: <a href="#">MAX1280EVC16</a><br>Description: EVAL KIT FOR MAX1280            | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1281BCUP+T</a><br>Description: IC ADC 12BIT 300KSPS 20-TSSOP  | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1280BEUP+</a><br>Description: IC ADC 12BIT 400KSPS 20-TSSOP   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX1282BEUE+T</a><br>Description: IC ADC 12BIT 400KSPS 16-TSSOP  | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
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