

MAX19527EXE+



Part Number: [MAX19527EXE+](#)

Manufacturer: [Maxim Integrated](#)

Description: IC ADC 12BIT 8CH 50MSPS 144CTBGA

Data sheet:  [Part Numbering System](#)  
 [MAX19527](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                   |                                |                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX19527EXE+                                                      | Manufacturer                   | <a href="#">Maxim Integrated</a>                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC ADC 12BIT 8CH 50MSPS 144CTBGA                                  | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5812 pcs                                                          | Data sheet                     | <a href="#">Part Numbering System</a><br><a href="#">MAX19527</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                         | Voltage - Supply, Digital      | 1.7 V ~ 1.9 V                                                     |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.7 V ~ 1.9 V                                                     | Supplier Device Package        | 144-CTFBGA                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                 | Sampling Rate (Per Second)     | 50M                                                               |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                            | External, Internal                                                | Ratio - S/H:ADC                | 1:1                                                               |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tube                                                              | Package / Case                 | 144-TFBGA                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C                                                      | Number of Inputs               | 8                                                                 |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12                                                                | Number of A/D Converters       | 8                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 (Unlimited)                                                     | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                        |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                                                | Differential                                                      | Features                       | Simultaneous Sampling                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12 Bit Analog to Digital Converter 8 Input 8 Pipelined 144-CTFBGA | Data Interface                 | LVDS - Serial                                                     |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                             | S/H-ADC                                                           | Base Part Number               | MAX19527                                                          |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pipelined                                                         |                                |                                                                   |
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|  | Part#: <a href="#">MAX19528EXE+T</a><br>Description: IC ADC 12BIT 8CH 64MSPS 144CTBGA | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX1951ESA+</a><br>Description: IC REG BUCK ADJ 2A SYNC 8SOIC      | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX1953EVKIT</a><br>Description: EVAL KIT FOR MAX1953              | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MAX1953EUB+T</a><br>Description: IC REG CTRLR BUCK 10UMAX          | Manufacturers: <a href="#">Maxim Integrated</a> | <div>RFQ</div> |
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