

MAX5316GTG+



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See Product Specifications for product details.  
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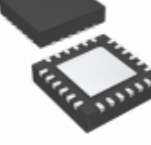


**Part Number:** [MAX5316GTG+](#)  
**Manufacturer:** [Maxim Integrated](#)  
**Description** IC DAC 16BIT SPI 24TQFN  
**Data sheet:**  [MAX5316](#)  
 [MAXREFDES18#](#)  
 [Part Numbering System](#)

**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                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX5316GTG+                               | Manufacturer                    | <a href="#">Maxim Integrated</a>                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC DAC 16BIT SPI 24TQFN                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10412 pcs                                 | Data sheet                      | <a href="#">MAX5316</a><br><a href="#">MAXREFDES18#</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital       | 1.7 V ~ 5.5 V                                                                                    |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.7 V ~ 3.3 V, 5V, -1.25V                 | Supplier Device Package         | 24-TQFN (4x5)                                                                                    |
| Settling Time                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3µs (Typ)                                 | Series                          | -                                                                                                |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                            | External                                  | Packaging                       | Tube                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                            | 24-WFQFN Exposed Pad                      | Output Type                     | Voltage - Buffered                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 105°C                             | Number of D/A Converters        | 1                                                                                                |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                            | 16                                        | Mounting Type                   | Surface Mount                                                                                    |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 (Unlimited)                             | Manufacturer Standard Lead Time | 6 Weeks                                                                                          |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                | INL/DNL (LSB)                   | ±0.25, ±0.25                                                                                     |
| Differential Output                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                        | Detailed Description            | 16 Bit Digital to Analog Converter 1 24-TQFN (4x5)                                               |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                            | SPI                                       | Base Part Number                | MAX5316                                                                                          |
| Architecture                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         |                                 |                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                 |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------|---------------------|
|  | Part#: <a href="#">MAX530BEWG</a><br>Description: IC DAC LP +5V V-OUT 12BIT 24SOIC    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX530BENG</a><br>Description: IC DAC LP +5V V-OUT 12BIT 24-DIP    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX530BEAG</a><br>Description: IC DAC LP +5V V-OUT 12BIT 24SSOP    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5318GUG+T</a><br>Description: IC DAC 18BIT SPI/SRL 24TSSOP      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5318GUG+</a><br>Description: IC DAC 18BIT SPI/SRL 24TSSOP       | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5312EVKIT+</a><br>Description: KIT EVAL FOR MAX5312             | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX530BEWG+T</a><br>Description: IC DAC 12BIT PAR/VOLT I/O 24SOIC  | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5312EAE+T</a><br>Description: IC DAC 12BIT 5V/10V SER 16-SSOP   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5319GTG+</a><br>Description: IC DAC 18BIT I2C QFN               | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5316EVKIT#</a><br>Description: EVAL KIT MAX5316 (16-BIT, A 1 LS | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5316GTG+T</a><br>Description: IC DAC 16BIT SPI 24TQFN           | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5318EVKIT#</a><br>Description: EV SYSTEM/KIT MAX5318 (18-BIT, H | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5318EVSYS#</a><br>Description: KIT EVAL FOR MAX5318             | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX531ACPD</a><br>Description: IC DAC SERIAL LP +5V 12BIT 14DIP    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5317GTG+T</a><br>Description: IC DAC 16BIT I2C QFN              | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX530BEAG+</a><br>Description: IC DAC 12BIT PAR/VOLT I/O 24SSOP   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX530BEWG+</a><br>Description: IC DAC 12BIT PAR/VOLT I/O 24SOIC   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5312EAE+</a><br>Description: IC DAC 12BIT 5V/10V SER 16-SSOP    | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5317GTG+</a><br>Description: IC DAC 16BIT I2C QFN               | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MAX5318PMB#</a><br>Description: MAX5318PMB# PERIPHERAL MODULE      | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |

Related keywords for MAX5316GTG+

|                                |                         |                      |                   |
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