



Image may be representation.  
See specifications for product details.



## MAX1082AEUE+

|                          |                                 |
|--------------------------|---------------------------------|
| Manufacturer Part Number | <b>MAX1082AEUE+</b>             |
| Manufacturer             | <b>Maxim Integrated</b>         |
| Allelco Part Number      | 32D-MAX1082AEUE+                |
| ECAD Model               | Request Free CAD Models         |
| Parts Description        | IC ADC 10BIT SAR 16TSSOP        |
| Package                  | 16-TSSOP (0.173', 4.40mm Width) |
| Data sheet               | <b>MAX1082,83.pdf</b>           |
| RoHs Status              | <b>ROHS3 Compliant</b>          |

**Get a Quote**

MAX1082AEUE+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX1082AEUE+ datasheet/specifications on AllelcoElec.com.  
Request a quote for MAX1082AEUE+, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

MAX1082AEUE+ Tech Specifications

MAX1082AEUE+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                 | Product Attribute        | Attribute Value                   |
|----------------------------|---------------------------------|--------------------------|-----------------------------------|
| Manufacturer               | Maxim Integrated                | Number of Inputs         | 2, 4                              |
| Voltage - Supply, Digital  | 5V                              | Number of Bits           | 10                                |
| Voltage - Supply, Analog   | 5V                              | Number of A/D Converters | 1                                 |
| Supplier Device Package    | 16-TSSOP                        | Mounting Type            | Surface Mount                     |
| Series                     | -                               | Input Type               | Pseudo-Differential, Single Ended |
| Sampling Rate (Per Second) | 400k                            | Features                 | -                                 |
| Reference Type             | External, Internal              | Data Interface           | SPI                               |
| Ratio - S/H:ADC            | 1:1                             | Configuration            | MUX-S/H-ADC                       |
| Package / Case             | 16-TSSOP (0.173', 4.40mm Width) | Base Product Number      | MAX1082                           |
| Package                    | Tube                            | Architecture             | SAR                               |
| Operating Temperature      | -40°C ~ 85°C                    |                          |                                   |

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX1082AEUE+

| Product Attribute          |                                      |  |                                      |                                      |
|----------------------------|--------------------------------------|--|--------------------------------------|--------------------------------------|
| Part Number                | MAX1082AEUE+                         | MAX1062BEUB+                             | MAX1085BESA                          | MAX1087EKA-T                         |
| Manufacturer               | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated     | Analog Devices Inc./Maxim Integrated | Analog Devices Inc./Maxim Integrated |
| Features                   | -                                    | -  | -                                    | -                                    |
| Data Interface             | SPI                                  | SPI                                      | SPI                                  | 3-Wire Serial, Microwire, QSPI, SPI  |
| Number of Inputs           | 2, 4                                 | 1  | 1                                    | 2                                    |
| Number of Bits             | 10                                   | 14                                       | 10                                   | 10                                   |
| Architecture               | SAR                                  | SAR                                      | SAR                                  | SAR                                  |
| Operating Temperature      | -40°C ~ 85°C                         | -40°C ~ 85°C                             | -40°C ~ 85°C                         | -40°C ~ 85°C                         |
| Series                     | -                                    | -  | -                                    | -                                    |
| Reference Type             | External, Internal                   | External                                 | Internal                             | External                             |
| Number of A/D Converters   | 1                                    | 1  | 1                                    | 1                                    |
| Ratio - S/H:ADC            | 1:1                                  | 1:1                                      | 1:1                                  | 1:1                                  |
| Package                    | Tube                                 | Tube                                     | Tube                                 | Bulk                                 |
| Voltage - Supply, Digital  | 5V                                   | 2.7V ~ 5.25V                             | 2.7V ~ 3.6V                          | 2.7V ~ 3.6V                          |
| Package / Case             | 16-TSSOP (0.173', 4.40mm Width)      | 10-TFSOP, 10-MSOP (0.118', 3.00mm Width) | 8-SOIC (0.154', 3.90mm Width)        | SOT-23-8                             |
| Base Product Number        | MAX1082                              | MAX1062                                  | MAX1085                              | -                                    |
| Configuration              | MUX-S/H-ADC                          | S/H-ADC                                  | S/H-ADC                              | S/H-ADC                              |
| Voltage - Supply, Analog   | 5V                                   | 5V                                       | 2.7V ~ 3.6V                          | 2.7V ~ 3.6V                          |
| Sampling Rate (Per Second) | 400k                                 | 200k                                     | 300k                                 | 150                                  |
| Mounting Type              | Surface Mount                        | Surface Mount                            | Surface Mount                        | Surface Mount                        |
| Supplier Device Package    | 16-TSSOP                             | 10-uMAX/uSOP                             | 8-SOIC                               | SOT-23-8                             |
| Input Type                 | Pseudo-Differential, Single Ended    | Single Ended                             | Single Ended                         | Differential, Single Ended           |

## MAX1082AEUE+ Datasheet PDF

Download MAX1082AEUE+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX1082AEUE+ - Analog Devices Inc./Maxim Integrated.

### Datasheets

[MAX1082,83.pdf](#)

### Environmental Information











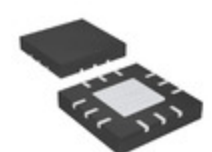

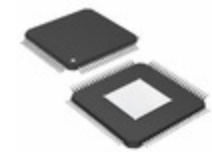




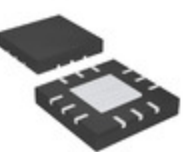
[Maxim Integrated RoHS Cert.pdf](#)

[Material Declaration MAX1082AEUE+.pdf](#)

 Part Numbering System.pdf

**Customers Also Interested in**

**Recommended Products**

|   |   |  |   |  |   |
|---|---|--|---|--|---|
|            |            |             |     |         |      |
| <b>MAX1062BEUB+</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 14BIT SAR 10UMAX      | <b>MAX1085BESA</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 10BIT SAR 8SOIC        | <b>MAX1087EKA-T</b><br>Analog Devices Inc./Maxim Integrated<br>10-BIT, TRUE-DIFFERENTIAL ADC | <b>MAX1085AESA+</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 10BIT SAR 8SOIC | <b>MAX1089EKA</b><br>Analog Devices Inc./Maxim Integrated<br>10-BIT, TRUE-DIFFERENTIAL ADC | <b>MAX1064BCEG+T</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 10BIT SAR 24QSOP |
|            |            |             |     |         |      |
| <b>MAX1062BCUB+</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 14BIT SAR 10UMAX      | <b>MAX1068BCEG+</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 14BIT 200KSPS 24-QSOP | <b>MAX1084ACSA+</b><br>Analog Devices / Maxim Integrated                                     | <b>MAX1068BCEG+T</b><br>Analog Devices / Maxim Integrated                             | <b>MAX1077ETC+</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 10BIT 1.5MSPS 12-TQFN | <b>MAX1062CEUB+</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 14BIT SAR 10UMAX  |
|           |           |            |    |        |     |
| <b>MAX107ECS+</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 6BIT 400MSPS DL 80-TQFP | <b>MAX1085BCSA+T</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 10BIT SAR 8SOIC      | <b>MAX1084AESA+</b><br>Analog Devices / Maxim Integrated                                     | <b>MAX1087EKA</b><br>Analog Devices / Maxim Integrated                                | <b>MAX1082AEUE+T</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 10BIT SAR 16TSSOP   | <b>MAX1076ETC+T</b><br>Analog Devices Inc./Maxim Integrated<br>IC ADC 10BIT SAR 12TQFN  |

**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 -**

|  |  |   |
|--|--|---|
| <br>Efficient Supply Management | <br>Cost-Saving Procurement | <br>Fast Sourcing & Delivery |
|--|--|---|

**Contact us if you have any questions.**

|  |  |
|--|--|
| <br>Phone<br>+00852 9146 4856 | <br>Email<br>info@allelco.com |
|--|--|

**Certifications & Memberships**



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**Contact us**

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