

MAX1138EEE+



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**Part Number:** [MAX1138EEE+](#)  
**Manufacturer:** [Maxim Integrated](#)  
**Description:** IC ADC 10-BIT I2C 94.4K 16-QSOP  
**Data sheet:**  [MAX1136-39](#)  
 [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                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAX1138EEE+                               | Manufacturer                    | <a href="#">Maxim Integrated</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC ADC 10-BIT I2C 94.4K 16-QSOP           | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12384 pcs                                 | Data sheet                      | <a href="#">MAX1136-39</a><br><a href="#">Part Numbering System</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply, Digital       | 5V                                                                  |
| Voltage - Supply, Analog                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5V                                        | Supplier Device Package         | 16-QSOP                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                         | Sampling Rate (Per Second)      | 94.4k                                                               |
| Reference Type                                                                                                                                                                                                                                                                                                                                                                                                                                            | External, Internal                        | Ratio - S/H:ADC                 | 1:1                                                                 |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Tube                                      | Package / Case                  | 16-SSOP (0.154", 3.90mm Width)                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C                              | Number of Inputs                | 6, 12                                                               |
| Number of Bits                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10                                        | 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                      | Differential, Single Ended                                          |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Detailed Description            | 10 Bit Analog to Digital Converter 6, 12 Input 1 SAR 16-QSOP        |
| Data Interface                                                                                                                                                                                                                                                                                                                                                                                                                                            | I <sup>2</sup> C                          | Configuration                   | MUX-S/H-ADC                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                          | MAX1138                                   | Architecture                    | SAR                                                                 |
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|  | Part#: <a href="#">MAX1138KEEE+T</a><br>Description: IC ADC 10BIT SERIAL 16-QSOP   | Manufacturers: <a href="#">Maxim Integrated</a> | <a href="#">RFQ</a> |
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