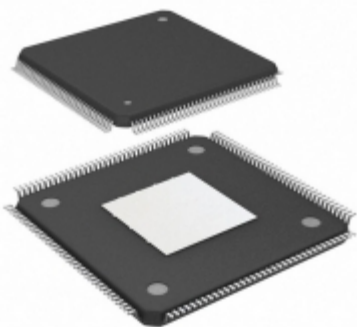


10M04SAE144C8G





Part Number: 10M04SAE144C8G

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC FPGA 101 I/O 144EQFP

Data sheet:  [MAX 10 FPGA Overview](#)  
 [MAX 10 FPGA Device Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

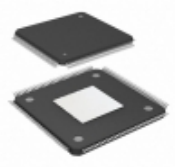
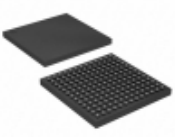
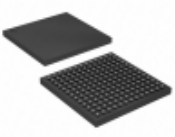
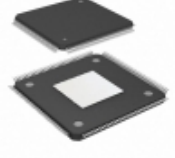
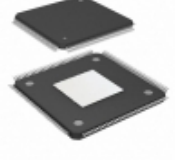
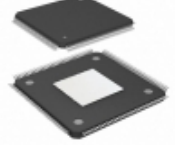
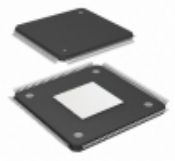
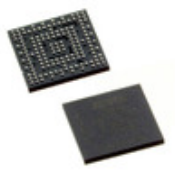
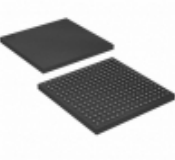
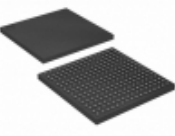
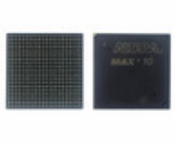
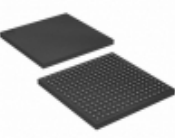
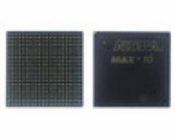
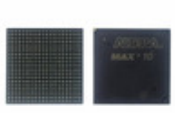
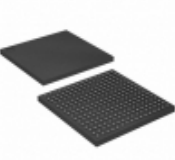
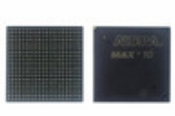
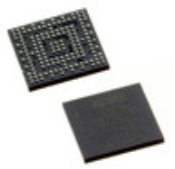
Ship From: Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                 |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10M04SAE144C8G                            | Manufacturer                    | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 101 I/O 144EQFP                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8765 pcs                                  | Data sheet                      | <a href="#">MAX 10 FPGA Overview</a><br><a href="#">MAX 10 FPGA Device Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                | 2.85 V ~ 3.465 V                                                                     |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 193536                                    | Supplier Device Package         | 144-EQFP (20x20)                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MAX® 10                                   | Package / Case                  | 144-LQFP Exposed Pad                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 544-3212                                  | Operating Temperature           | 0°C ~ 85°C (TJ)                                                                      |
| Number of Logic Elements/Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4000                                      | Number of LABs/CLBs             | 250                                                                                  |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 101                                       | Mounting Type                   | Surface Mount                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 (168 Hours)                             | Manufacturer Standard Lead Time | 20 Weeks                                                                             |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                |                                 |                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                               |                                                                             |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">10M04SCE144I7G</a><br>Description: IC FPGA 101 I/O 144EQFP | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SAU169C8G</a><br>Description: IC FPGA 130 I/O 169UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SAU169I7G</a><br>Description: IC FPGA 130 I/O 169UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCU324I7G</a><br>Description: IC FPGA 246 I/O 324UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SCE144C7G</a><br>Description: IC FPGA/CPLD NV 144EQFP | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SAE144I7G</a><br>Description: IC FPGA 101 I/O 144EQFP | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SCE144A7G</a><br>Description: IC FPGA/CPLD NV 144EQFP | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SCE144C8G</a><br>Description: IC FPGA 101 I/O 144EQFP | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DAU324I7G</a><br>Description: IC FPGA 246 I/O 324UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SAM153C8G</a><br>Description: IC FPGA 112 I/O 153MBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SAU324I7G</a><br>Description: 324-PIN UBGA            | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCF256A7G</a><br>Description: IC FPGA 178 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCF256C7G</a><br>Description: IC FPGA 178 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCU324A7G</a><br>Description: IC FPGA 246 I/O 324UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCF256C8G</a><br>Description: IC FPGA 178 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCU324I7P</a><br>Description: IC FPGA 246 I/O 324UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCU324C8G</a><br>Description: IC FPGA 246 I/O 324UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DCF256I7G</a><br>Description: IC FPGA 178 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DAU324C8G</a><br>Description: IC FPGA 246 I/O 324UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M04SAM153I7G</a><br>Description: IC FPGA 112 I/O 153MBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |

|                                     |                                              |                                              |                                              |
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