

10M04DAF256C7G





Part Number: 10M04DAF256C7G

Manufacturer: Altera (Intel® Programmable Solutions Group)

Description: IC FPGA 178 I/O 256FBGA

Data sheet:

PDF

MAX 10 FPGA Overview

PDF

MAX 10 ES Devices Errata and Guidelines

PDF

MAX 10 FPGA Device Datasheet

RoHs Status: Lead free / RoHS Compliant

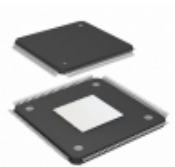
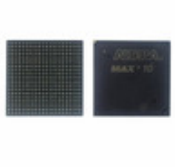
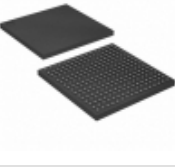
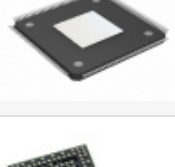
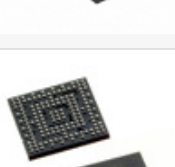
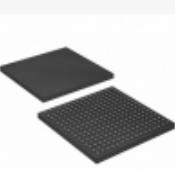
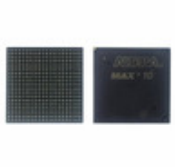
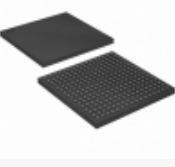
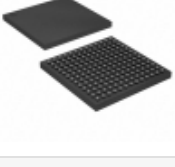
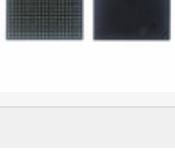
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                  |                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10M04DAF256C7G                            | Manufacturer                     | Altera (Intel® Programmable Solutions Group)                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 178 I/O 256FBGA                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5918 pcs                                  | Data sheet                       | <a href="#">MAX 10 FPGA Overview</a><br><a href="#">MAX 10 ES Devices Errata and Guidelines</a><br><a href="#">MAX 10 FPGA Device Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.15 V ~ 1.25 V                                                                                                                                 |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 193536                                    | Supplier Device Package          | 256-FBGA (17x17)                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MAX® 10                                   | Package / Case                   | 256-LBGA                                                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 4000                                                                                                                                            |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 250                                       | Number of I/O                    | 178                                                                                                                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                               |                                                                             |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">10M02SCE144C7G</a><br>Description: IC FPGA 101 I/O 144EQFP | 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="#">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="#">10M04DAF256A7G</a><br>Description: 256-PIN FBGA            | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M02SCU169A7G</a><br>Description: IC FPGA 130 I/O 169UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M02SCE144I7G</a><br>Description: IC FPGA 101 I/O 144EQFP | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M02SCM153C8G</a><br>Description: IC FPGA 112 I/O 153MBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DAF256I7G</a><br>Description: IC FPGA 178 I/O 256FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</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="#">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="#">10M02SCM153I7G</a><br>Description: IC FPGA 112 I/O 153MBGA | Manufacturers: <a href="#">Intel® FPGAs</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="#">10M02SCU169I7G</a><br>Description: IC FPGA 130 I/O 169UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M04DAF256C8G</a><br>Description: IC FPGA 178 I/O 256FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M02SCU324C8G</a><br>Description: 324-PIN UBGA            | 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="#">10M02SCU169C8G</a><br>Description: IC FPGA 130 I/O 169UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10M02SCE144C8G</a><br>Description: IC FPGA 101 I/O 144EQFP | 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="#">10M04DAU324C8G</a><br>Description: IC FPGA 246 I/O 324UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |

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|-------------------------------------|----------------------------------------------|-----------------------------------|----------------------------------------------|
| Related keywords for 10M04DAF256C7G |                                              |                                   |                                              |
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