

10CL016ZE144I8G





Part Number: 10CL016ZE144I8G

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

Description: 144-PIN EQFP

Data sheet:  [Cyclone® 10 LP Devices Overview](#)

RoHs Status: Lead free / RoHS Compliant

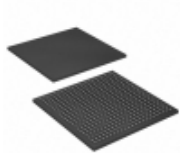
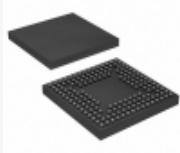
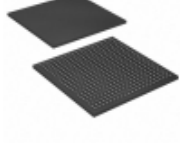
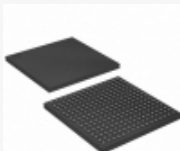
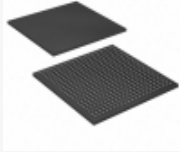
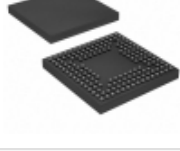
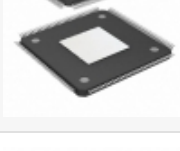
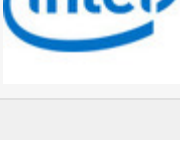
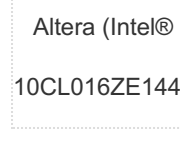
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                  |                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10CL016ZE144I8G                           | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 144-PIN EQFP                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5454 pcs                                  | Data sheet                       | <a href="#">Cyclone® 10 LP Devices Overview</a>              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 1.2V                                                         |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 516096                                    | Supplier Device Package          | 144-EQFP (20x20)                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cyclone® 10 LP                            | Package / Case                   | 144-LQFP Exposed Pad                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C ~ 100°C (TJ)                        | Number of Logic Elements/Cells   | 15408                                                        |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 963                                       | Number of I/O                    | 78                                                           |
| 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="#">10CL016YU484C6G</a><br>Description: IC FPGA 340 I/O 484 FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YM164C6G</a><br>Description: IC FPGA 87 I/O 164 MBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YU484C8G</a><br>Description: 484-PIN UBGA             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016ZU484I8G</a><br>Description: 484-PIN UBGA             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL025YE144I7G</a><br>Description: IC FPGA 76 I/O 144 EPFQ  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL025YE144C8G</a><br>Description: 144-PIN EQFP             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YF484I7G</a><br>Description: IC FPGA 340 I/O 484 FBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YU256C6G</a><br>Description: IC FPGA 162 I/O 256 UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016ZM164I8G</a><br>Description: 164-PIN MBGA             | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL025YU256I7G</a><br>Description: IC FPGA 150 I/O 256 UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016ZU256I8G</a><br>Description: 256-PIN UBGA             | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL025YU256C6G</a><br>Description: IC FPGA 150 I/O 256 UBGA | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL025YU256C8G</a><br>Description: 256-PIN UBGA             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YU256I7G</a><br>Description: IC FPGA 162 I/O 256 UBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YM164C8G</a><br>Description: 164-PIN MBGA             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YU484I7G</a><br>Description: IC FPGA 340 I/O 484 FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YM164I7G</a><br>Description: IC FPGA 87 I/O 164 MBGA  | Manufacturers: <a href="#">Intel® FPGAs</a>                                 | <div>RFQ</div> |
|  | Part#: <a href="#">10CL025YE144C6G</a><br>Description: 144-PIN EQFP             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016ZF484I8G</a><br>Description: 484-PIN FBGA             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">10CL016YU256C8G</a><br>Description: 256-PIN UBGA             | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |

|                                      |                                              |                                    |                                              |
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| Related keywords for 10CL016ZE144I8G |                                              |                                    |                                              |
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