

EP20K1500CF33C7



Part Number: [EP20K1500CF33C7](#)

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

Description: IC FPGA

Data sheet:

RoHS Status: Lead free / RoHS Compliant

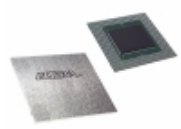
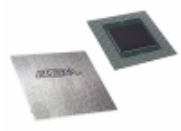
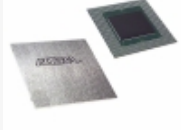
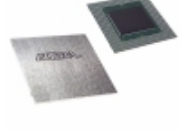
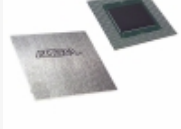
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                  |                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | EP20K1500CF33C7                           | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC FPGA                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5737 pcs                                  | Data sheet                       |                                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 2.375 V ~ 2.625 V                                            |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 442368                                    | Supplier Device Package          | 1020-FBGA (33x33)                                            |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | APEX-20KE®                                | Package / Case                   | 1020-BBGA                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 51840                                                        |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5184                                      | Number of Gates                  | 2392000                                                      |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Lead free / RoHS Compliant                |                                  |                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                  |                                                                             |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">EP20K1500CF33C7ES</a><br>Description: IC FPGA                 | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CB652C8ES</a><br>Description: IC FPGA                | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500EBC652-1X</a><br>Description: IC FPGA 488 I/O 652BGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CB652C8</a><br>Description: IC FPGA                  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500EBC652-1</a><br>Description: IC FPGA 488 I/O 652BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CF33C8ES</a><br>Description: IC FPGA                 | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K100TI144-3</a><br>Description: IC FPGA                   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K100TC144-1N</a><br>Description: IC FPGA 101 I/O 144TQFP  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CB652C7ES</a><br>Description: IC FPGA                | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CF33C8</a><br>Description: IC FPGA                   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CB652C9</a><br>Description: IC FPGA                  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500EBC652-3</a><br>Description: IC FPGA 488 I/O 652BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CB652C7</a><br>Description: IC FPGA                  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500EFC1020-1X</a><br>Description: IC FPGA               | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500EBC652-2X</a><br>Description: IC FPGA 488 I/O 652BGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500EBC652-2</a><br>Description: IC FPGA 488 I/O 652BGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K100TC144-3N</a><br>Description: IC FPGA 101 I/O 144TQFP  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K100TC144-1X</a><br>Description: IC FPGA 101 I/O 144TQFP  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K100TC144-3</a><br>Description: IC FPGA 101 I/O 144TQFP   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">EP20K1500CF33C9</a><br>Description: IC FPGA                   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |

|                                      |                                              |                                    |                                              |
|--------------------------------------|----------------------------------------------|------------------------------------|----------------------------------------------|
| Related keywords for EP20K1500CF33C7 |                                              |                                    |                                              |
| EP20K1500CF33C7                      | Altera (Intel® Programmable Solutions Group) | EP20K1500CF33C7 distributor        | EP20K1500CF33C7 supplier                     |
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|                                      |                                              |                                    | EP20K1500CF33C7 stock                        |
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|                                      | EP20K1500CF33C7                              |                                    | EP20K1500CF33C7                              |