



Altera (Intel® Programmable

Solutions Group)

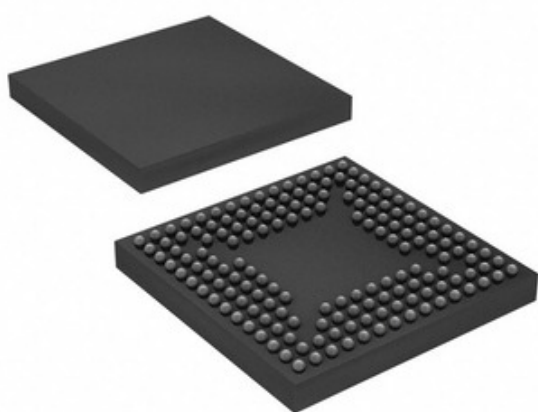


Image may be representation. See specifications for product details.

EP3C5M164I7

|                     |                                                                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP3C5M164I7                                                                                                                                                                                                                                                                               |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                                              |
| Product description | IC FPGA 106 I/O 164MBGA <div><div>PDF</div>1.EP3C5M164I7.pdf</div> <div><div>PDF</div>2.EP3C5M164I7.pdf</div> <div><div>PDF</div>3.EP3C5M164I7.pdf</div> <div><div>PDF</div>4.EP3C5M164I7.pdf</div> <div><div>PDF</div>5.EP3C5M164I7.pdf</div> <div><div>PDF</div>6.EP3C5M164I7.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                           |
| RoHs Status         | <div><div>RoHS</div></div> Contains lead / RoHS non-compliant                                                                                                                                                                                                                             |
| Stock Condition     | 3654 pcs stock                                                                                                                                                                                                                                                                            |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                     |

REQUEST FOR QUOTATION

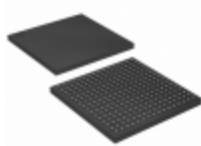
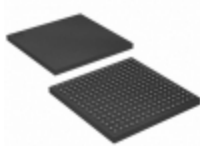
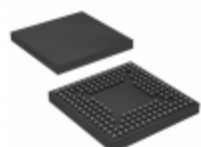
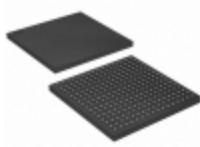
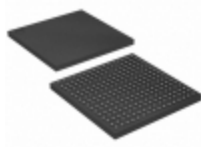
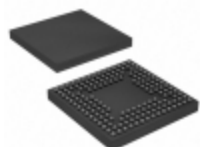
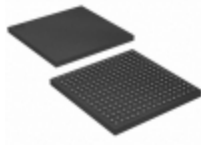
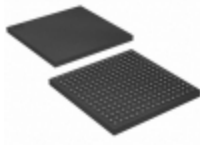
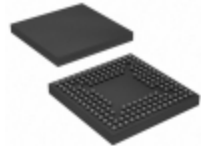
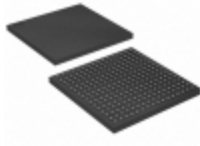
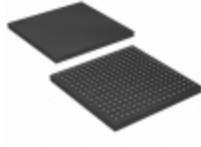
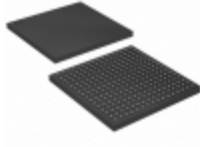
Specifications of EP3C5M164I7

|                                  |                                                                                                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP3C5M164I7                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC FPGA 106 I/O 164MBGA                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                |
| QUANTITY AVAILABLE               | 3654 pcs                                                                                                                                                                                                                                                          |
| DATA SHEET                       | <div><div>PDF</div>1.EP3C5M164I7.pdf</div> <div><div>PDF</div>2.EP3C5M164I7.pdf</div> <div><div>PDF</div>3.EP3C5M164I7.pdf</div> <div><div>PDF</div>4.EP3C5M164I7.pdf</div> <div><div>PDF</div>5.EP3C5M164I7.pdf</div> <div><div>PDF</div>6.EP3C5M164I7.pdf</div> |
| VOLTAGE - SUPPLY                 | 1.15 V ~ 1.25 V                                                                                                                                                                                                                                                   |
| TOTAL RAM BITS                   | 423936                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 164-MBGA (8x8)                                                                                                                                                                                                                                                    |
| SERIES                           | Cyclone® III                                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 164-TFBGA                                                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                                                                |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 5136                                                                                                                                                                                                                                                              |
| NUMBER OF LABS/CLBS              | 321                                                                                                                                                                                                                                                               |
| NUMBER OF I/O                    | 106                                                                                                                                                                                                                                                               |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                |
| BASE PART NUMBER                 | EP3C5M164                                                                                                                                                                                                                                                         |

Related Tags

|                                                             |                                                       |                                                                 |
|-------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group)<br>EP3C5M164I7 | EP3C5M164I7 Distributor                               | EP3C5M164I7 Supplier                                            |
| EP3C5M164I7 Price                                           | EP3C5M164I7 Pictures                                  | EP3C5M164I7 Image                                               |
| EP3C5M164I7 PDF Datasheet                                   | EP3C5M164I7 Download Datasheet                        | EP3C5M164I7 Datasheet                                           |
| EP3C5M164I7 Stock                                           | Buy EP3C5M164I7                                       | Buy Altera (Intel® Programmable Solutions Group)<br>EP3C5M164I7 |
| Altera (Intel® Programmable Solutions Group)<br>EP3C5M164I7 | Altera (Intel® Programmable Solutions Group) Supplier | Altera (Intel® Programmable Solutions Group) Distributor        |
| Altera (Intel® Programmable Solutions Group)<br>EP3C5M164I7 | Altera EP3C5M164I7                                    | Altera (Intel® Programmable Solutions Group)<br>EP3C5M164I7     |

Related Products

|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                  |
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| <div></div> <div><b>EP3C5F256I7N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 106 I/O 256FBGA<br/>In stock: 2434 pcs<br/><div>RFQ</div></div>                                 | <div></div> <div><b>EP3C5U256C6</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 182 I/O 256UBGA<br/>In stock: 2295 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>EP3C5M164C8N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 106 I/O 164MBGA<br/>In stock: 4483 pcs<br/><div>RFQ</div></div>                                 | <div></div> <div><b>EP3C5F256I7</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 182 I/O 256FBGA<br/>In stock: 2566 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>EP3C5U256A7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 182 I/O 256UBGA<br/>In stock: 1803 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>EP3C5M164I7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 106 I/O 164MBGA<br/>In stock: 2973 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>EP3C5U256C7N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 182 I/O 256UBGA<br/>In stock: 4028 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>EP3C5F256C8N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 106 I/O 256FBGA<br/>In stock: 5196 pcs<br/><div>RFQ</div></div>                                 |
| <div></div> <div><b>EP3C5M164C7N</b><br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 106 I/O 164MBGA<br/>In stock: 4559 pcs<br/><div>RFQ</div></div>                                 | <div></div> <div><b>EP3C5F256C8</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 182 I/O 256FBGA<br/>In stock: 5797 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>EP3C5U256C6N</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 182 I/O 256UBGA<br/>In stock: 2804 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>EP3C5U256C7</b><br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 182 I/O 256UBGA<br/>In stock: 4072 pcs<br/><div>RFQ</div></div>  |