



Altera (Intel® Programmable



EP1K50TC144-3N

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | EP1K50TC144-3N                                                                                               |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                 |
| Product description | IC FPGA 102 I/O 144TQFP                                                                                      |
| Datasheets:         |  1.EP1K50TC144-3N.pdf       |
|                     |  2.EP1K50TC144-3N.pdf       |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 4113 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of EP1K50TC144-3N

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | EP1K50TC144-3N                                                                                           |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                             |
| DESCRIPTION                      | IC FPGA 102 I/O 144TQFP                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| QUANTITY AVAILABLE               | 4113 pcs                                                                                                 |
| DATA SHEET                       |  1.EP1K50TC144-3N.pdf |
|                                  |  2.EP1K50TC144-3N.pdf |
| VOLTAGE - SUPPLY                 | 2.375 V ~ 2.625 V                                                                                        |
| TOTAL RAM BITS                   | 40960                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 144-TQFP (20x20)                                                                                         |
| SERIES                           | ACEX-1K®                                                                                                 |
| PACKAGE / CASE                   | 144-LQFP                                                                                                 |
| OTHER NAMES                      | 544-1849                                                                                                 |
|                                  | EP1K50TC144-3N-ND<br>EP1K50TC1443N                                                                       |
| OPERATING TEMPERATURE            | 0°C ~ 70°C (TA)                                                                                          |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 2880                                                                                                     |
| NUMBER OF LABS/CLBS              | 360                                                                                                      |
| NUMBER OF I/O                    | 102                                                                                                      |
| NUMBER OF GATES                  | 199000                                                                                                   |
| MOUNTING TYPE                    | Surface Mount                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| BASE PART NUMBER                 | EP1K50                                                                                                   |

Related Tags

|                                                                |                                                       |                                                                    |
|----------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|
| Altera (Intel® Programmable Solutions Group)<br>EP1K50TC144-3N | EP1K50TC144-3N Distributor                            | EP1K50TC144-3N Supplier                                            |
| EP1K50TC144-3N Price                                           | EP1K50TC144-3N Pictures                               | EP1K50TC144-3N Image                                               |
| EP1K50TC144-3N PDF Datasheet                                   | EP1K50TC144-3N Download Datasheet                     | EP1K50TC144-3N Datasheet                                           |
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| Altera (Intel® Programmable Solutions Group)<br>EP1K50TC144-3N | Altera EP1K50TC144-3N                                 | Altera (Intel® Programmable Solutions Group)<br>EP1K50TC144-3N     |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>EP1K50XXB<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: 2754 pcs<br/>RFQ</div>                      |  <div>EP1M120F484C5N<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 303 I/O 484FBGA<br/>In stock: 6961 pcs<br/>RFQ</div> |
|  <div>EP1K50TI144-2N<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 102 I/O 144TQFP<br/>In stock: 5463 pcs<br/>RFQ</div> |  <div>EP1K50TC144-3<br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 102 I/O 144TQFP<br/>In stock: 4511 pcs<br/>RFQ</div>                                  |
|  <div>EP1K50TC144-1<br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 102 I/O 144TQFP<br/>In stock: 4920 pcs<br/>RFQ</div>                                  |  <div>EP1K50TC144-2N<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 102 I/O 144TQFP<br/>In stock: 5394 pcs<br/>RFQ</div> |
|  <div>EP1K50QI208-2N<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 147 I/O 208QFP<br/>In stock: 3515 pcs<br/>RFQ</div>  |  <div>EP1M120F484C5<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 303 I/O 484FBGA<br/>In stock: 4483 pcs<br/>RFQ</div>  |
|  <div>EP1K50TC144-1N<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA 102 I/O 144TQFP<br/>In stock: 3109 pcs<br/>RFQ</div> |  <div>EP1K50XXC<br/>Manufacturers: Altera (Intel® Programmable Solutions Group)<br/>Description: IC FPGA<br/>In stock: 4604 pcs<br/>RFQ</div>                      |
|  <div>EP1K50TI144-2<br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 102 I/O 144TQFP<br/>In stock: 6707 pcs<br/>RFQ</div>                                  |  <div>EP1K50TC144-2<br/>Manufacturers: Intel® FPGAs<br/>Description: IC FPGA 102 I/O 144TQFP<br/>In stock: 4891 pcs<br/>RFQ</div>                                  |