



Lattice Semiconductor



ORT82G5-3FN680C

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ORT82G5-3FN680C                                                                                              |
| Manufacturer/Brand: | Lattice Semiconductor                                                                                        |
| Product description | IC FPGA 372 I/O 680FBGA                                                                                      |
|                     |  1.ORT82G5-3FN680C.pdf      |
|                     |  2.ORT82G5-3FN680C.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| 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 ORT82G5-3FN680C

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ORT82G5-3FN680C                                                                                                                                                                                                        |
| MANUFACTURER                     | Lattice Semiconductor                                                                                                                                                                                                  |
| DESCRIPTION                      | IC FPGA 372 I/O 680FBGA                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| DATA SHEET                       |  1.ORT82G5-3FN680C.pdf<br> 2.ORT82G5-3FN680C.pdf |
| VOLTAGE - SUPPLY                 | 1.425 V ~ 3.6 V                                                                                                                                                                                                        |
| TOTAL RAM BITS                   | 113664                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 680-FPBGA (35x35)                                                                                                                                                                                                      |
| SERIES                           | ORCA® 4                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 680-BBGA                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | 0°C ~ 70°C (TA)                                                                                                                                                                                                        |
| NUMBER OF LOGIC ELEMENTS/CELLS   | 10368                                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 372                                                                                                                                                                                                                    |
| NUMBER OF GATES                  | 643000                                                                                                                                                                                                                 |
| MOUNTING TYPE                    | Surface Mount                                                                                                                                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                             |
| BASE PART NUMBER                 | ORT82G5                                                                                                                                                                                                                |

Related Tags

|                                       |                                                   |                                           |
|---------------------------------------|---------------------------------------------------|-------------------------------------------|
| Lattice Semiconductor ORT82G5-3FN680C | ORT82G5-3FN680C Distributor                       | ORT82G5-3FN680C Supplier                  |
| ORT82G5-3FN680C Price                 | ORT82G5-3FN680C Pictures                          | ORT82G5-3FN680C Image                     |
| ORT82G5-3FN680C PDF Datasheet         | ORT82G5-3FN680C Download Datasheet                | ORT82G5-3FN680C Datasheet                 |
| ORT82G5-3FN680C Stock                 | Buy ORT82G5-3FN680C                               | Buy Lattice Semiconductor ORT82G5-3FN680C |
| Lattice Semiconductor ORT82G5-3FN680C | Lattice Semiconductor Supplier                    | Lattice Semiconductor Distributor         |
| Lattice Semiconductor ORT82G5-3FN680C | Lattice Semiconductor Corporation ORT82G5-3FN680C |                                           |

Related Products

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                    |
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| <div></div> <div><b>ORT82G5-2F680I</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: IC FPGA 372 I/O 680FBGA<br/>In stock: Out stock</div> <div>RFQ</div>        | <div></div> <div><b>ORT8850H-1BM680C</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: IC FPGA 297 I/O 680FBGA<br/>In stock: Out stock</div> <div>RFQ</div>         |
| <div></div> <div><b>ORT82G5-2FN680C</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: IC FPGA 372 I/O 680FBGA<br/>In stock: Out stock</div> <div>RFQ</div>       | <div></div> <div><b>ORT8850-FPSC-EV</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: BOARD EVAL ORCA ORT8850 FPSC<br/>In stock: Out stock</div> <div>RFQ</div>     |
| <div></div> <div><b>ORT82G5-2FN680I</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: IC FPGA 372 I/O 680FBGA<br/>In stock: Out stock</div> <div>RFQ</div>       | <div></div> <div><b>ORT82G5-G2-PAC-EV</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: BOARD BRIEFCASE ORT82G5 SERDES<br/>In stock: Out stock</div> <div>RFQ</div> |
| <div></div> <div><b>ORT82G5-FPSC-EV</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: BOARD EVAL ORT82G5 FPSC/CABLE<br/>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div><b>ORT82G5-2F680C</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: IC FPGA 372 I/O 680FBGA<br/>In stock: Out stock</div> <div>RFQ</div>           |
| <div></div> <div><b>ORT8850H-1BM680I</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: IC FPGA 297 I/O 680FBGA<br/>In stock: Out stock</div> <div>RFQ</div>      | <div></div> <div><b>ORT82G5-1FN680I</b><br/>Manufacturers: Lattice Semiconductor<br/>Description: IC FPGA 372 I/O 680FBGA<br/>In stock: Out stock</div> <div>RFQ</div>          |
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