






Lattice Semiconductor





ORSO82G5-1FN680I

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ORSO82G5-1FN680I                                                                                             |
| Manufacturer/Brand: | Lattice Semiconductor                                                                                        |
| Product description | IC FPGA 372 I/O 680FBGA                                                                                      |
|                     |  1.ORSO82G5-1FN680I.pdf     |
|                     |  2.ORSO82G5-1FN680I.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 2854 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 ORSO82G5-1FN680I

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ORSO82G5-1FN680I                                                                                                                                                                                                         |
| MANUFACTURER                     | Lattice Semiconductor                                                                                                                                                                                                    |
| DESCRIPTION                      | IC FPGA 372 I/O 680FBGA                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 2854 pcs                                                                                                                                                                                                                 |
| DATA SHEET                       |  1.ORSO82G5-1FN680I.pdf<br> 2.ORSO82G5-1FN680I.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            | -40°C ~ 85°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                 | ORSO82G5                                                                                                                                                                                                                 |

Related Tags

|                                        |                                                    |                                            |
|----------------------------------------|----------------------------------------------------|--------------------------------------------|
| Lattice Semiconductor ORSO82G5-1FN680I | ORSO82G5-1FN680I Distributor                       | ORSO82G5-1FN680I Supplier                  |
| ORSO82G5-1FN680I Price                 | ORSO82G5-1FN680I Pictures                          | ORSO82G5-1FN680I Image                     |
| ORSO82G5-1FN680I PDF Datasheet         | ORSO82G5-1FN680I Download Datasheet                | ORSO82G5-1FN680I Datasheet                 |
| ORSO82G5-1FN680I Stock                 | Buy ORSO82G5-1FN680I                               | Buy Lattice Semiconductor ORSO82G5-1FN680I |
| Lattice Semiconductor ORSO82G5-1FN680I | Lattice Semiconductor Supplier                     | Lattice Semiconductor Distributor          |
| Lattice Semiconductor ORSO82G5-1FN680I | Lattice Semiconductor Corporation ORSO82G5-1FN680I |                                            |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>ORSO42G5-3BMN484C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 204 I/O 484FBGA</div> <div>In stock: 4153 pcs</div> <div>RFQ</div>    |  <div>ORSO82G5-2FN680I</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 5579 pcs</div> <div>RFQ</div> |
|  <div>ORSO82G5-3FN680C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 3809 pcs</div> <div>RFQ</div>     |  <div>ORSO82G5-1F680I</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 4114 pcs</div> <div>RFQ</div>  |
|  <div>ORSO42G5-EV</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: BOARD EVAL DEV PLATFORM ORSO42G5</div> <div>In stock: 5610 pcs</div> <div>RFQ</div> |  <div>ORSO82G5-2F680I</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 6073 pcs</div> <div>RFQ</div>  |
|  <div>ORSO82G5-2F680C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 6729 pcs</div> <div>RFQ</div>      |  <div>ORSO82G5-3F680C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 7063 pcs</div> <div>RFQ</div>  |
|  <div>ORSO82G5-2FN680C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 6761 pcs</div> <div>RFQ</div>     |  <div>ORSO82G5-1F680C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 5677 pcs</div> <div>RFQ</div>  |
|  <div>ORSO42G5-3BM484C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 204 I/O 484FBGA</div> <div>In stock: 4083 pcs</div> <div>RFQ</div>     |  <div>ORSO82G5-1FN680C</div> <div>Manufacturers: Lattice Semiconductor</div> <div>Description: IC FPGA 372 I/O 680FBGA</div> <div>In stock: 6761 pcs</div> <div>RFQ</div> |