




ORSO82G5-1FN680I



Part Number: [ORSO82G5-1FN680I](#)

Manufacturer: [Lattice Semiconductor](#)

Description: IC FPGA 372 I/O 680FBGA

Data sheet:  [Package Diagrams](#)
 [ORSO\(42,82\)G5 ORCA Family](#)

RoHs Status: Lead free / RoHS Compliant













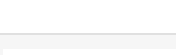
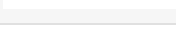
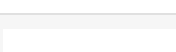





Ship From: Hong Kong

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| PRODUCT PARAMETER | | | |
|--|---|----------------------------------|---|
| 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 | 4734 pcs | Data sheet | Package Diagrams ORSO(42,82)G5 ORCA Family |
| Category | Integrated Circuits (ICs) | 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 |
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|  | Part#: ORSO42G5-3BM484C Description: IC FPGA 204 I/O 484FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO42G5-2BM484I Description: IC FPGA 204 I/O 484FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO42G5-3BMN484C Description: IC FPGA 204 I/O 484FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO82G5-1FN680C Description: IC FPGA 372 I/O 680FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO82G5-3F680C Description: IC FPGA 372 I/O 680FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO42G5-2BM484C Description: IC FPGA 204 I/O 484FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO82G5-2FN680C Description: IC FPGA 372 I/O 680FBGA | Manufacturers: Lattice Semiconductor | RFQ |
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|  | Part#: ORSO82G5-2F680C Description: IC FPGA 372 I/O 680FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO82G5-G2-PAC-EV Description: BOARD EVAL DEV ORSO82G5-FPSC | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO82G5-1F680C Description: IC FPGA 372 I/O 680FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO82G5-2FN680I Description: IC FPGA 372 I/O 680FBGA | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO82G5-2F680I Description: IC FPGA 372 I/O 680FBGA | Manufacturers: Lattice Semiconductor | RFQ |
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|  | Part#: ORSO42G5-EV Description: BOARD EVAL DEV PLATFORM ORSO42G5 | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSPI4-EV Description: BOARD EVAL ORSPI4/CBL/CARD/ADAPT | Manufacturers: Lattice Semiconductor | RFQ |
|  | Part#: ORSO42G5-1BMN484I Description: IC FPGA 204 I/O 484FBGA | Manufacturers: Lattice Semiconductor | RFQ |

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