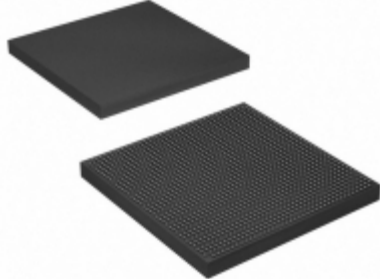


5SGSED8K2F40C2LN





Part Number: 5SGSED8K2F40C2LN

Manufacturer: Altera (Intel® Programmable Solutions Group)

Description: IC FPGA 696 I/O 1517FBGA

Data sheet:  [Stratix V Device Overview](#)  
 [Virtual JTAG Megafuntion User Guide](#)

RoHs Status: Lead free / RoHS Compliant

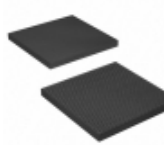
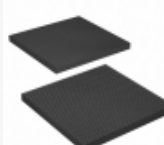
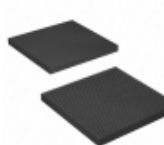
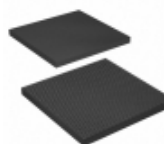
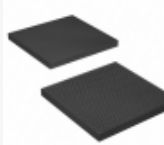
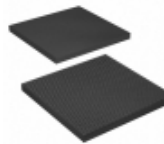
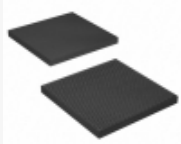
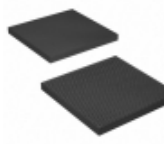
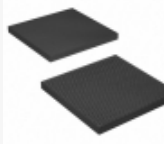
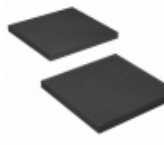
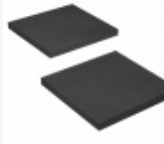
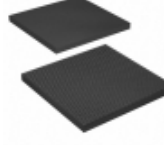
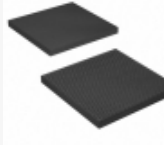
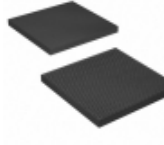
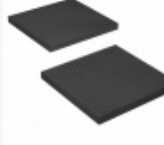
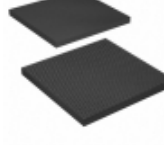
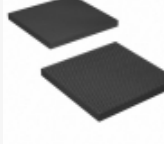
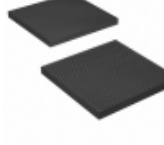
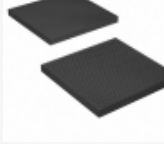
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                  |                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5SGSED8K2F40C2LN                          | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IC FPGA 696 I/O 1517FBGA                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8 pcs                                     | Data sheet                       | <a href="#">Stratix V Device Overview</a><br><a href="#">Virtual JTAG Megafuntion User Guide</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 0.82 V ~ 0.88 V                                                                                  |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 60968960                                  | Supplier Device Package          | 1517-FBGA (40x40)                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stratix® V GS                             | Package / Case                   | 1517-BBGA, FCBGA                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 695000                                                                                           |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 262400                                    | Number of I/O                    | 696                                                                                              |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lead free / RoHS Compliant                | Base Part Number                 | 5SGSED8                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                  |                                                                             |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">5SGSED8K1F40I2N</a><br>Description: IC FPGA 696 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED6N3F45C4N</a><br>Description: IC FPGA 840 I/O 1932FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED8K2F40C2N</a><br>Description: IC FPGA 696 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED8K2F40I3</a><br>Description: IC FPGA 696 I/O 1517FBGA   | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED6N3F45I3L</a><br>Description: IC FPGA 840 I/O 1932FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED8K2F40I3L</a><br>Description: IC FPGA 696 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED6N3F45I3N</a><br>Description: IC FPGA 840 I/O 1932FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED8K1F40C2LN</a><br>Description: IC FPGA 696 I/O 1517FBGA | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED8K2F40C3N</a><br>Description: IC FPGA 696 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED8K2F40C2L</a><br>Description: IC FPGA 696 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">5SGSED8K2F40I2N</a><br>Description: IC FPGA 696 I/O 1517FBGA  | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <a href="#">RFQ</a> |
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