

1SG280HH2F55E2VGS1



Part Number: 1SG280HH2F55E2VGS1

Manufacturer: Altera

Description: TRANSCEIVER TILE

Data sheet:  [Stratix 10 GX,SX Device Overview](#)  
 [Stratix 10 Device Datasheet](#)  
 [Stratix 10 H-Tile Guide](#)  
 [Stratix 10 Handbook](#)

RoHs Status:

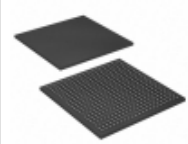
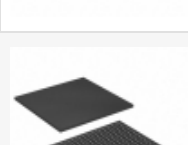
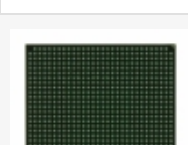
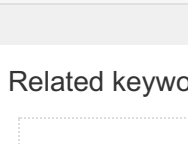
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                  |                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1SG280HH2F55E2VGS1                        | Manufacturer                     | <a href="#">Altera</a>                                                                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TRANSCEIVER TILE                          | Lead Free Status / RoHS Status   |                                                                                                                                                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4 pcs                                     | Data sheet                       | <a href="#">Stratix 10 GX,SX Device Overview</a><br><a href="#">Stratix 10 Device Datasheet</a><br><a href="#">Stratix 10 H-Tile Guide</a><br><a href="#">Stratix 10 Handbook</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Breakdown              | 2912 (55x55)                                                                                                                                                                      |
| Total RAM Bits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2800                                      | Shell Style                      | 0.77 V ~ 0.97 V                                                                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Stratix 10 GX                             | Polarization                     | 2912-FBGA                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0°C ~ 100°C (TJ)                          | Number of Logic Elements/Cells   | 344125                                                                                                                                                                            |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Surface Mount                             | Moisture Sensitivity Level (MSL) | 4 (72 Hours)                                                                                                                                                                      |
| Manufacturer Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1SG280HH2F55E2VGS1                        | Description                      | TRANSCEIVER TILE                                                                                                                                                                  |
| Core Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 234496000                                 | Clock Rate                       | 1160                                                                                                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                                             |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">A3PE600-FGG484</a><br>Description: IC FPGA 270 I/O 484FBGA         | Manufacturers: <a href="#">Microsemi</a>                                    | <div>RFQ</div> |
|  | Part#: <a href="#">LCMX0256E-3TN100I</a><br>Description: IC FPGA 78 I/O 100TQFP       | Manufacturers: <a href="#">Lattice Semiconductor</a>                        | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280LN3F43E2VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280HH3F55E3VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">LFE3-95EA-6LFN672C</a><br>Description: IC FPGA 380 I/O 672FBGA     | Manufacturers: <a href="#">Lattice Semiconductor</a>                        | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280HH3F55E2VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280LU3F50E2VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">LFSC3GA80E-6FFN1152I</a><br>Description: IC FPGA 660 I/O 1152FCBGA | Manufacturers: <a href="#">Lattice Semiconductor</a>                        | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280HU3F50E2VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">M2GL100-FCG1152</a><br>Description: IC FPGA 574 I/O 1152FCBGA      | Manufacturers: <a href="#">Microsemi</a>                                    | <div>RFQ</div> |
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|  | Part#: <a href="#">M1AFS600-2FG256I</a><br>Description: IC FPGA 119 I/O 256FBGA       | Manufacturers: <a href="#">Microsemi</a>                                    | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280HN3F43E3VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280HU2F50E2VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280LH3F55E2VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280HN3F43E2VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">AX1000-FGG484I</a><br>Description: IC FPGA 317 I/O 484FBGA         | Manufacturers: <a href="#">Microsemi</a>                                    | <div>RFQ</div> |
|  | Part#: <a href="#">EP4CE40F23C9LN</a><br>Description: IC FPGA 328 I/O 484FBGA         | Manufacturers: <a href="#">Altera (Intel® Programmable Solutions Group)</a> | <div>RFQ</div> |
|  | Part#: <a href="#">1SG280HU3F50E3VGS1</a><br>Description: TRANSCEIVER TILE            | Manufacturers: <a href="#">Altera</a>                                       | <div>RFQ</div> |
|  | Part#: <a href="#">XC2V1500-4FFG896I</a><br>Description: IC FPGA 528 I/O 896FCBGA     | Manufacturers: <a href="#">Xilinx</a>                                       | <div>RFQ</div> |

|                                              |                                              |                              |                                              |
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| Related keywords for 1SG280HH2F55E2VGS1      |                                              |                              |                                              |
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