

5SGXMB6R1F43C2LN





Part Number: 5SGXMB6R1F43C2LN

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC FPGA 600 I/O 1760FBGA

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

RoHs Status: Lead free / RoHS Compliant

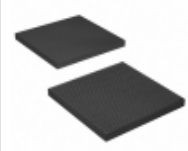
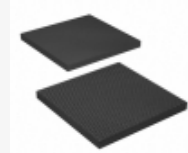
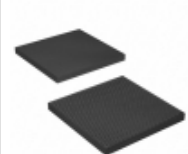
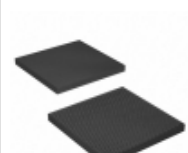
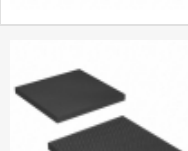
Ship From: Hong Kong

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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                  |                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5SGXMB6R1F43C2LN                          | Manufacturer                     | <a href="#">Altera (Intel® Programmable Solutions Group)</a>                                                                                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC FPGA 600 I/O 1760FBGA                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8 pcs                                     | Data sheet                       | <a href="#">Stratix V Device Handbook</a><br><a href="#">Stratix V Device Datasheet</a><br><a href="#">Stratix V Devices Errata</a><br><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                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 61688832                                  | Supplier Device Package          | 1760-FBGA, FC (42.5x42.5)                                                                                                                                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stratix® V GX                             | Package / Case                   | 1760-BBGA, FCBGA                                                                                                                                                                                                                        |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0°C ~ 85°C (TJ)                           | Number of Logic Elements/Cells   | 597000                                                                                                                                                                                                                                  |
| Number of LABs/CLBs                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 225400                                    | Number of I/O                    | 600                                                                                                                                                                                                                                     |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Surface Mount                             | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                           |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                | Base Part Number                 | 5SGXMB6                                                                                                                                                                                                                                 |
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