

### 5SGSMD4K2F40I3N



**Altera (Intel® Programmable Solutions Group)**

IC FPGA 696 I/O 1517FBGA  
Lead free / RoHS Compliant  
Integrated Circuits (ICs)

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Minimum:1  
Multiples:100  
Manufacturer lead time 10 weeks

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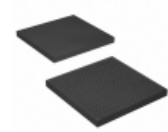
**5**

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#### Specifications

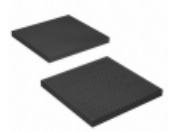
|  |                    |
|--|--------------------|
| <b>Voltage - Supply:</b>               | 0.82 V ~ 0.88 V    |
| <b>Total RAM Bits:</b>                 | 23946240           |
| <b>Supplier Device Package:</b>        | 1517-FBGA (40x40)  |
| <b>Series:</b>                         | Stratix® V GS      |
| <b>Package / Case:</b>                 | 1517-BBGA, FCBGA   |
| <b>Operating Temperature:</b>          | -40°C ~ 100°C (TJ) |
| <b>Number of Logic Elements/Cells:</b> | 360000             |
| <b>Number of LABs/CLBs:</b>            | 135840             |
| <b>Number of I/O:</b>                  | 696                |
| <b>Mounting Type:</b>                  | Surface Mount      |

#### Related products



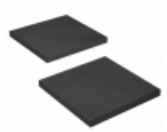
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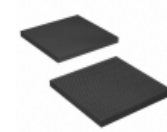
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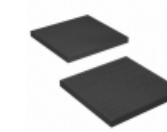
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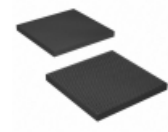
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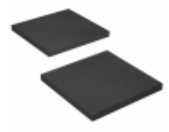
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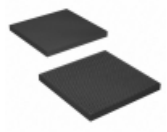
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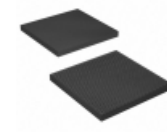
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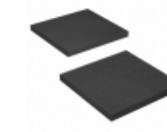
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**IDT71256SA15YI8**  
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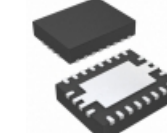
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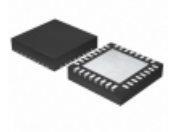
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IC LI-ON LINEAR CHRGMGMT 20-QFN  
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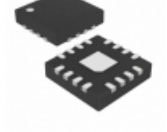
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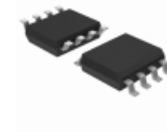
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