

5SGSMD5K1F40I2N





Part Number: 5SGSMD5K1F40I2N

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

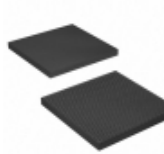
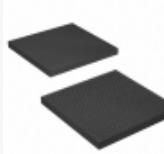
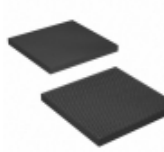
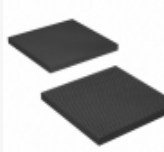
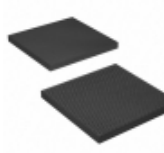
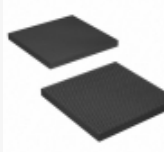
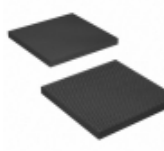
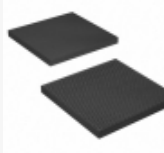
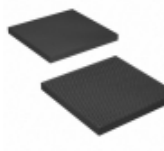
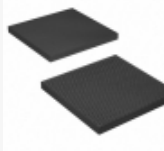
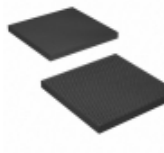
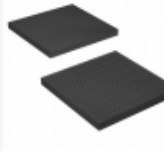
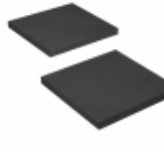
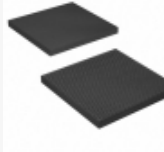
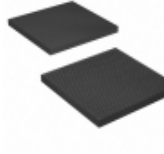
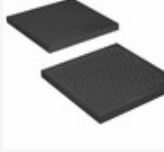
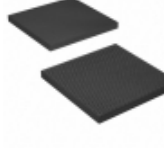
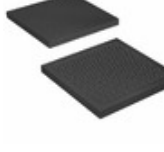
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PRODUCT PARAMETER			
Part Number	5SGSMD5K1F40I2N	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 696 I/O 1517FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8 pcs	Data sheet	Stratix V Device Overview Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	0.87 V ~ 0.93 V
Total RAM Bits	46769152	Supplier Device Package	1517-FBGA (40x40)
Series	Stratix® V GS	Package / Case	1517-BBGA, FCBGA
Operating Temperature	-40°C ~ 100°C (TJ)	Number of Logic Elements/Cells	457000
Number of LABs/CLBs	172600	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	5SGSMD5
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