

5SGSMD6K3F40I4N





Part Number: 5SGSMD6K3F40I4N

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

Description: IC FPGA 696 I/O 1517FBGA

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

RoHs Status: Lead free / RoHS Compliant

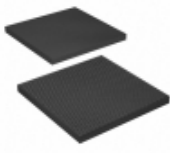
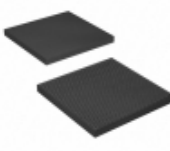
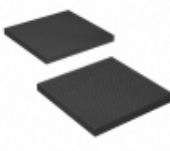
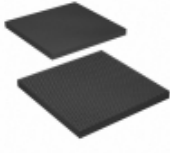
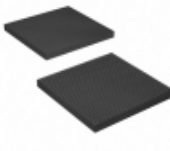
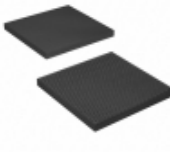
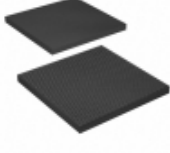
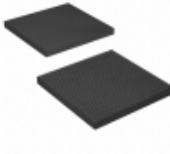
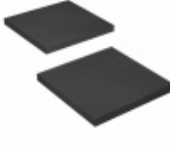
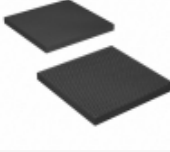
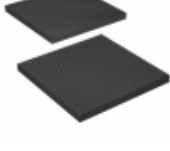
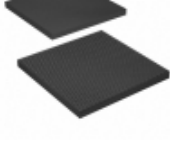
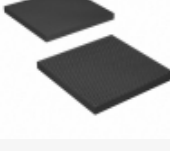
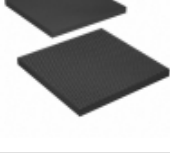
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Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	5SGSMD6K3F40I4N	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 696 I/O 1517FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13 pcs	Data sheet	Stratix V Device Handbook Stratix V Device Datasheet Stratix V Devices Errata Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	0.82 V ~ 0.88 V
Total RAM Bits	54553600	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	583000
Number of LABs/CLBs	220000	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	5SGSMD6
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	Part#: 5SGSMD6N2F45I3LN Description: IC FPGA 840 I/O 1932FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGSMD6K3F40C2LN Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: 5SGSMD6N1F45I2N Description: IC FPGA 840 I/O 1932FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGSMD6K3F40C4N Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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