

5SGXEA5K1F40C2N



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Part Number: [5SGXEA5K1F40C2N](#)

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

Description: IC FPGA 696 I/O 1517FBGA

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

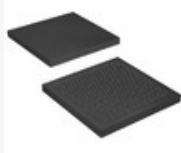
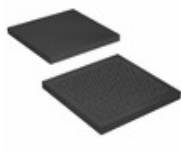
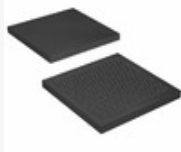
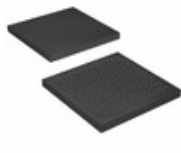
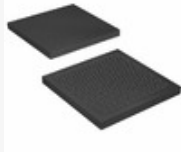
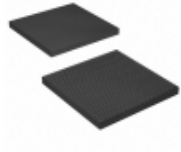
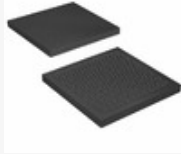
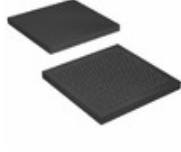
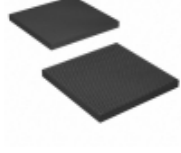
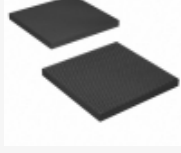
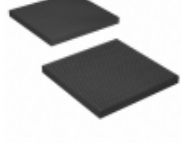
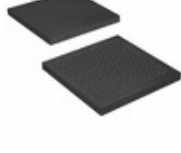
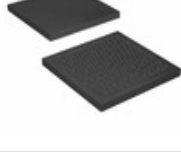
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	5SGXEA5K1F40C2N	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 Stratix V Device Overview Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	0.87 V ~ 0.93 V
Total RAM Bits	53105664	Supplier Device Package	1517-FBGA (40x40)
Series	Stratix® V GX	Package / Case	1517-BBGA, FCBGA
Operating Temperature	0°C ~ 85°C (TJ)	Number of Logic Elements/Cells	490000
Number of LABs/CLBs	185000	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	5SGXEA5
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	Part#: 5SGXEA5K1F35I2N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA5K2F35C2L Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: 5SGXEA5K2F35I2N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA5K1F35C2L Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA5K2F35I3L Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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