

5SGXEA7K2F40C1



Part Number: 5SGXEA7K2F40C1

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 Device Overview](#)

RoHS Status: Contains lead / RoHS non-compliant

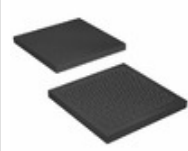
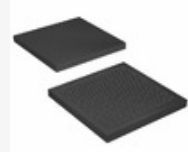
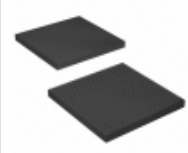
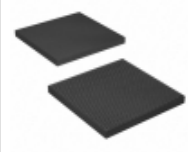
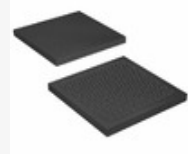
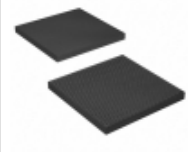
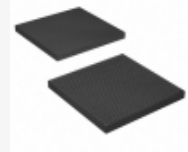
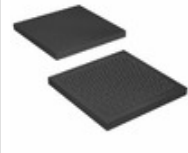
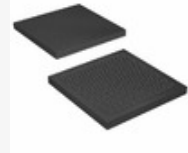
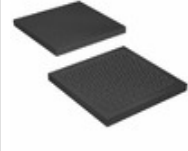
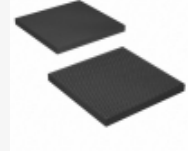
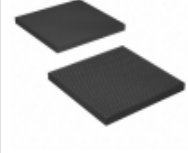
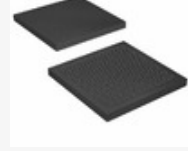
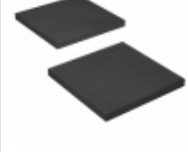
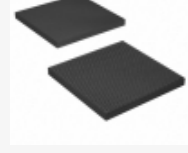
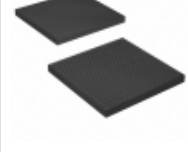
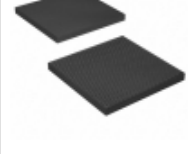
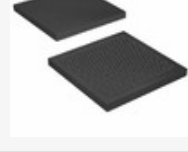
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PRODUCT PARAMETER			
Part Number	5SGXEA7K2F40C1	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 696 I/O 1517FBGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	7 pcs	Data sheet	Stratix V Device Handbook Stratix V Device Datasheet Stratix V Device Overview
Category	Integrated Circuits (ICs)	Voltage - Supply	0.87 V ~ 0.93 V
Total RAM Bits	59939840	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	622000
Number of LABs/CLBs	234720	Number of I/O	696
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Base Part Number	5SGXEA7
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RELATED PRODUCTS			
	Part#: 5SGXEA7K2F35C3N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F35I3N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F40C2LN Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F35C2N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F40I2LN Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F35I2LN Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F40C2N Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F40C3 Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: 5SGXEA7K2F35I2L Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: 5SGXEA7K2F40C2L Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F35I2N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F40I2L Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F40C2 Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXEA7K2F40I2 Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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