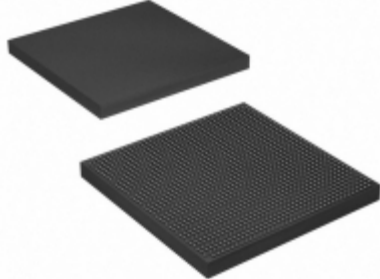


5SGXMA5K1F40C2LN



Images are for reference only.
See Product Specifications for product details.
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Part Number: 5SGXMA5K1F40C2LN

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](#)
 [Stratix V Device Overview](#)
 [Virtual JTAG Megafuntion User Guide](#)

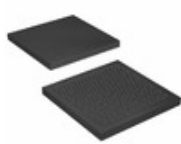
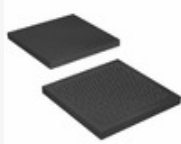
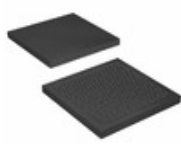
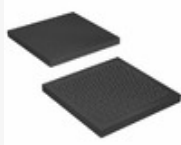
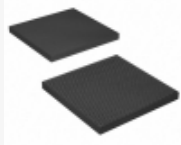
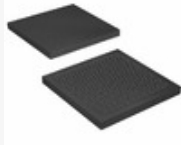
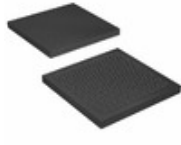
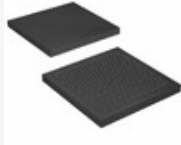
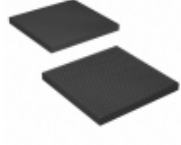
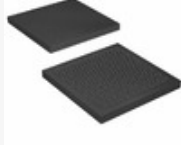
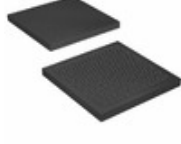
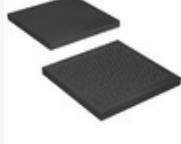
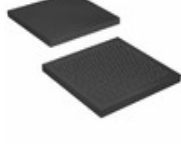
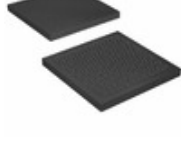
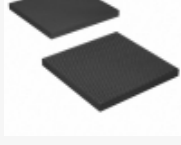
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	5SGXMA5K1F40C2LN	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 696 I/O 1517FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12 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	0.82 V ~ 0.88 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	5SGXMA5
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	Part#: 5SGXMA5K1F35C2N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXMA5K2F35I2LN Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: 5SGXMA5K1F40I2N Description: IC FPGA 696 I/O 1517FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXMA5K2F35C2N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXMA5H3F35I4 Description: IC FPGA 552 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXMA5K1F35C1N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: 5SGXMA5K2F35I3N Description: IC FPGA 432 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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