

EP4SGX290NF45C4N



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Part Number: [EP4SGX290NF45C4N](#)

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

Description: IC FPGA 920 I/O 1932FBGA

Data sheet:  [Stratix IV Device Family Overview](#)
 [Stratix IV Devices](#)
 [Stratix IV Device Handbook Vol.4](#)
 [Stratix IV GX Errata](#)
 [Stratix IV Device Handbook Vol1](#)
 [Stratix IV Device Handbook Vol.1](#)
 [Virtual JTAG Megafuntion User Guide](#)

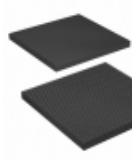
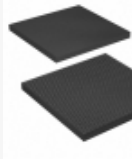
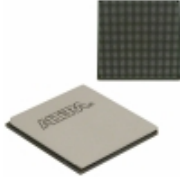
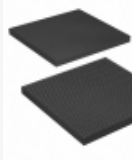
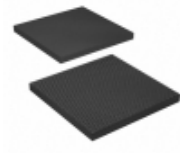
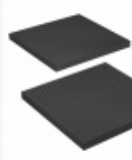
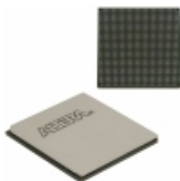
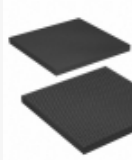
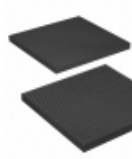
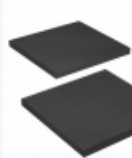
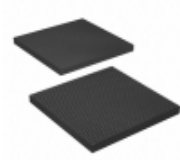
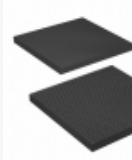
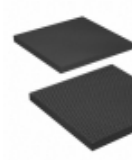
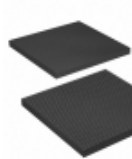
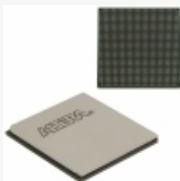
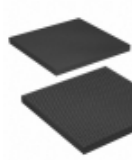
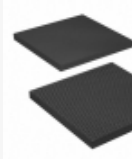
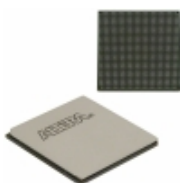
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	EP4SGX290NF45C4N	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 920 I/O 1932FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12 pcs	Data sheet	Stratix IV Device Family Overview Stratix IV Devices Stratix IV Device Handbook Vol.4 Stratix IV GX Errata Stratix IV Device Handbook Vol1 Stratix IV Device Handbook Vol.1 Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	0.87 V ~ 0.93 V
Total RAM Bits	17661952	Supplier Device Package	1932-FBGA, FC (45x45)
Series	Stratix® IV GX	Package / Case	1932-BBGA, FCBGA
Operating Temperature	0°C ~ 85°C (TJ)	Number of Logic Elements/Cells	291200
Number of LABs/CLBs	11648	Number of I/O	920
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Base Part Number	EP4SGX290
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	Part#: EP4SGX360FF35C3 Description: IC FPGA 564 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4SGX290NF45C4 Description: IC FPGA 920 I/O 1932FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4SGX290KF43C4N Description: IC FPGA 880 I/O 1760FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4SGX290NF45C3N Description: IC FPGA 920 I/O 1932FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4SGX360FF35C3N Description: IC FPGA 564 I/O 1152FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP4SGX290NF45I3N Description: IC FPGA 920 I/O 1932FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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