



Altera (Intel® Programmable

Solutions Group)



Image may be representation. See specifications for product details.

EP4SGX290NF45I3N

Part Number:	EP4SGX290NF45I3N
Manufacturer/Brand:	Altera (Intel® Programmable Solutions Group)
Product description	IC FPGA 920 I/O 1932FBGA PDF 1.EP4SGX290NF45I3N.pdf PDF 2.EP4SGX290NF45I3N.pdf PDF 3.EP4SGX290NF45I3N.pdf PDF 4.EP4SGX290NF45I3N.pdf PDF 5.EP4SGX290NF45I3N.pdf PDF 6.EP4SGX290NF45I3N.pdf PDF 7.EP4SGX290NF45I3N.pdf
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RoHs Status	RoHS Lead free / RoHS Compliant
Stock Condition	9 pcs stock
Ship From	Hong Kong
REQUEST FOR QUOTATION ex/TNT/UPS/EMS	

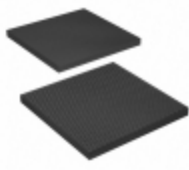
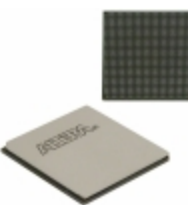
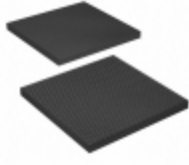
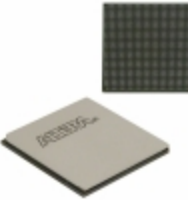
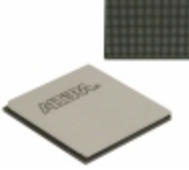
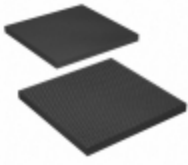
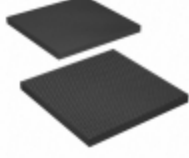
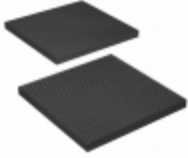
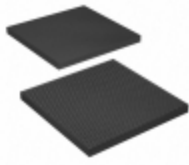
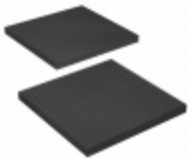
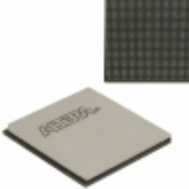
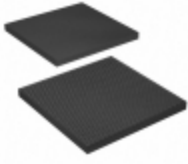
Specifications of EP4SGX290NF45I3N

PART NUMBER	EP4SGX290NF45I3N
MANUFACTURER	Altera (Intel® Programmable Solutions Group)
DESCRIPTION	IC FPGA 920 I/O 1932FBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	9 pcs
DATA SHEET	PDF 1.EP4SGX290NF45I3N.pdf PDF 2.EP4SGX290NF45I3N.pdf PDF 3.EP4SGX290NF45I3N.pdf PDF 4.EP4SGX290NF45I3N.pdf PDF 5.EP4SGX290NF45I3N.pdf PDF 6.EP4SGX290NF45I3N.pdf PDF 7.EP4SGX290NF45I3N.pdf
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	-40°C ~ 100°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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 EP4SGX360FF35C3 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 564 I/O 1152FBGA In stock: 11 pcs RFQ	 EP4SGX290NF45I3 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 920 I/O 1932FBGA In stock: 8 pcs RFQ