



Altera (Intel® Programmable Solutions Group)

Solutions Group)

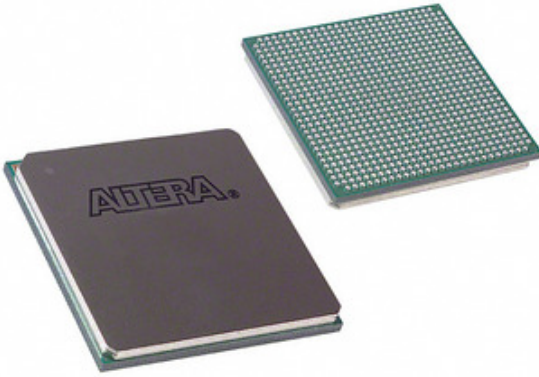


Image may be representation. See specifications for product details.

EP4SGX230DF29I4

Part Number:	EP4SGX230DF29I4
Manufacturer/Brand:	Altera (Intel® Programmable Solutions Group)
Product description	IC FPGA 372 I/O 780FBGA PDF 1.EP4SGX230DF29I4.pdf PDF 2.EP4SGX230DF29I4.pdf PDF 3.EP4SGX230DF29I4.pdf PDF 4.EP4SGX230DF29I4.pdf PDF 5.EP4SGX230DF29I4.pdf PDF 6.EP4SGX230DF29I4.pdf PDF 7.EP4SGX230DF29I4.pdf
Datasheets:	
RoHs Status	 Contains lead / RoHS non-compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS
REQUEST FOR QUOTATION	

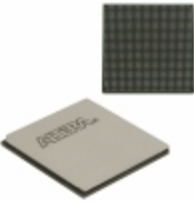
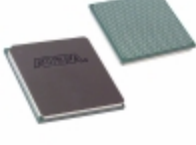
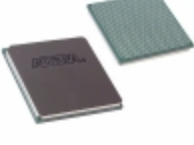
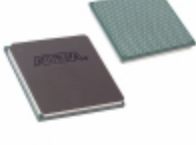
Specifications of EP4SGX230DF29I4

PART NUMBER	EP4SGX230DF29I4
MANUFACTURER	Altera (Intel® Programmable Solutions Group)
DESCRIPTION	IC FPGA 372 I/O 780FBGA
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
DATA SHEET	PDF 1.EP4SGX230DF29I4.pdf PDF 2.EP4SGX230DF29I4.pdf PDF 3.EP4SGX230DF29I4.pdf PDF 4.EP4SGX230DF29I4.pdf PDF 5.EP4SGX230DF29I4.pdf PDF 6.EP4SGX230DF29I4.pdf PDF 7.EP4SGX230DF29I4.pdf
VOLTAGE - SUPPLY	0.87 V ~ 0.93 V
TOTAL RAM BITS	17544192
SUPPLIER DEVICE PACKAGE	780-FBGA (29x29)
SERIES	Stratix® IV GX
PACKAGE / CASE	780-BBGA, FCBGA
OPERATING TEMPERATURE	-40°C ~ 100°C (TJ)
NUMBER OF LOGIC ELEMENTS/CELLS	228000
NUMBER OF LABS/CLBS	9120
NUMBER OF I/O	372
MOUNTING TYPE	Surface Mount
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
BASE PART NUMBER	EP4SGX230

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 EP4SGX230DF29C3N Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 372 I/O 780FBGA In stock: Out stock RFQ	 EP4SGX230DF29C3NES Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 372 I/O 780FBGA In stock: Out stock RFQ
 EP4SGX230DF29C4N Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 372 I/O 780FBGA In stock: Out stock RFQ	 EP4SGX230FF35C3 Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 564 I/O 1152FBGA In stock: Out stock RFQ
 EP4SGX230DF29I4N Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 372 I/O 780FBGA In stock: Out stock RFQ	 EP4SGX230FF35C2X Manufacturers: Altera (Intel® Programmable Solutions Group) Description: IC FPGA 564 I/O 1152FBGA In stock: Out stock RFQ
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