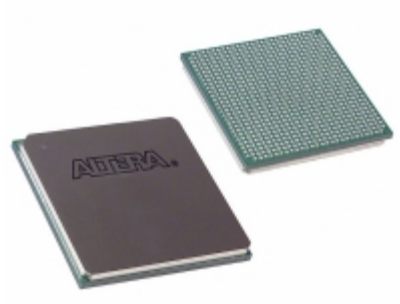


EP4SGX230DF29C3NES



Images are for reference only.
See Product Specifications for product details.
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Part Number: [EP4SGX230DF29C3NES](#)

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

Description: IC FPGA 372 I/O 780FBGA

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](#)

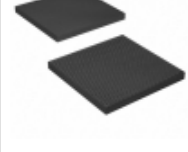
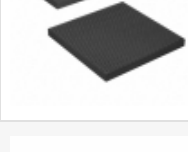
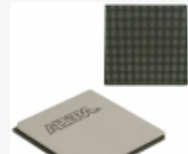
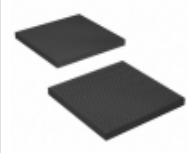
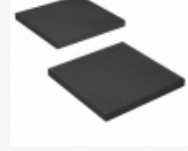
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	EP4SGX230DF29C3NES	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 372 I/O 780FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4299 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	17544192	Supplier Device Package	780-FBGA (29x29)
Series	Stratix® IV GX	Package / Case	780-BBGA, FCBGA
Operating Temperature	0°C ~ 85°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	Lead free / RoHS Compliant	Base Part Number	EP4SGX230
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