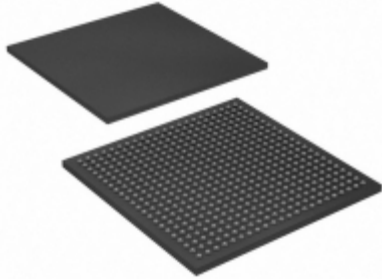


EP4CGX50CF23I7N



Images are for reference only.
See Product Specifications for product details.
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Part Number: EP4CGX50CF23I7N

Manufacturer: Altera (Intel® Programmable Solutions Group)

Description: IC FPGA 290 I/O 484FBGA

Data sheet:  [Cyclone IV FPGA Overview](#)
 [Cyclone IV Device Datasheet](#)
 [Virtual JTAG Megafuntion User Guide](#)
 [Cyclone IV Device Family Errata](#)
 [Cyclone IV Device Handbook](#)

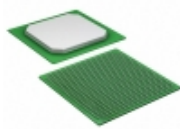
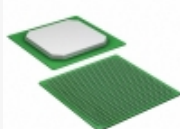
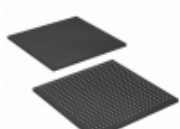
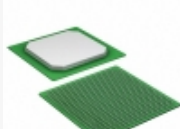
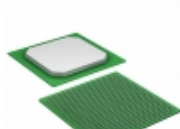
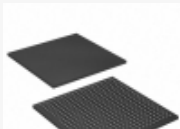
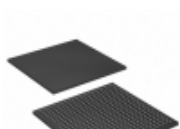
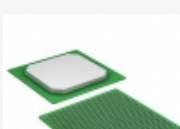
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

PRODUCT PARAMETER			
Part Number	EP4CGX50CF23I7N	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 290 I/O 484FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	484 pcs	Data sheet	Cyclone IV FPGA Overview Cyclone IV Device Datasheet Virtual JTAG Megafuntion User Guide Cyclone IV Device Family Errata Cyclone IV Device Handbook
Category	Integrated Circuits (ICs)	Voltage - Supply	1.16 V ~ 1.24 V
Total RAM Bits	2562048	Supplier Device Package	484-FBGA (23x23)
Series	Cyclone® IV GX	Package / Case	484-BGA
Other Names	544-2984 EP4CGX50CF23I7N-ND	Operating Temperature	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	49888	Number of LABs/CLBs	3118
Number of I/O	290	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	8 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Base Part Number	EP4CGX50
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	Part#: EP4CGX50DF27C8 Description: IC FPGA 310 I/O 672FBGA	Manufacturers: Intel® FPGAs	RFQ
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	Part#: EP4CGX50CF23C7 Description: IC FPGA 290 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
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	Part#: EP4CGX30CF23C8N Description: IC FPGA 290 I/O 484FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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