

EP4CE15E22C9L



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See Product Specifications for product details.
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Part Number: [EP4CE15E22C9L](#)

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

Description: IC FPGA 81 I/O 144EQFP

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

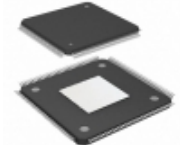
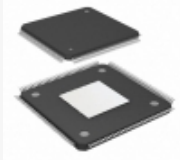
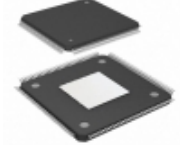
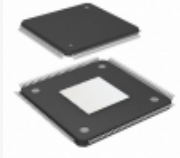
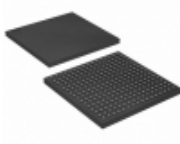
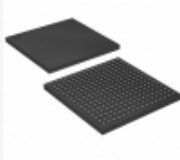
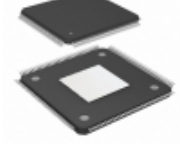
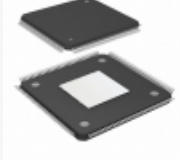
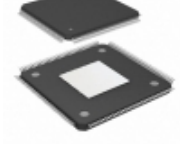
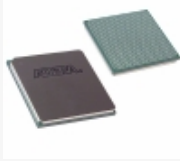
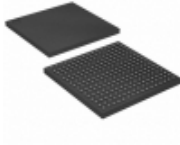
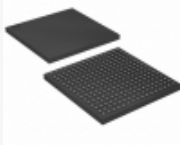
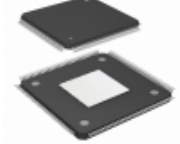
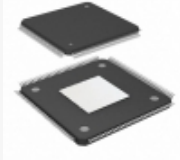
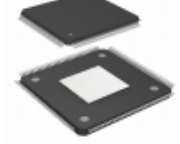
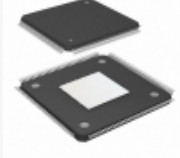
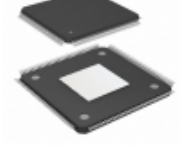
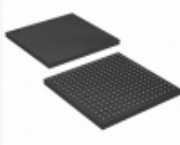
RoHS Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	EP4CE15E22C9L	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 81 I/O 144EQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4007 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	0.97 V ~ 1.03 V
Total RAM Bits	516096	Supplier Device Package	144-EQFP (20x20)
Series	Cyclone® IV E	Package / Case	144-LQFP Exposed Pad
Operating Temperature	0°C ~ 85°C (TJ)	Number of Logic Elements/Cells	15408
Number of LABs/CLBs	963	Number of I/O	81
Mounting Type	Surface Mount	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	20 Weeks	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Base Part Number	EP4CE15		
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	Part#: EP4CE15E22C8N Description: IC FPGA 81 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15E22I7N Description: IC FPGA 81 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE15E22C8L Description: IC FPGA 81 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15E22I8LN Description: IC FPGA 81 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE15F17A7N Description: IC FPGA 165 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE15F17C6N Description: IC FPGA 165 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15E22C6 Description: IC FPGA 81 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15E22I7 Description: IC FPGA 81 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15E22C7N Description: IC FPGA 81 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE115F29I8LN Description: IC FPGA 528 I/O 780FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15F17C7 Description: IC FPGA 165 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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