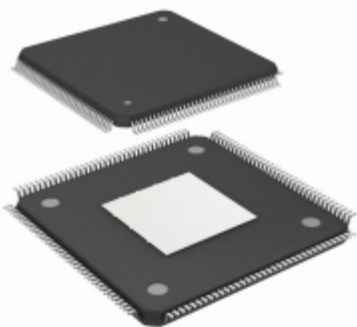


EP4CE22E22C8L



Images are for reference only.
See Product Specifications for product details.
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Part Number: [EP4CE22E22C8L](#)

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

Description: IC FPGA 79 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](#)

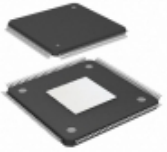
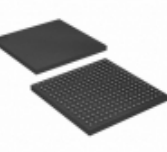
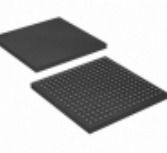
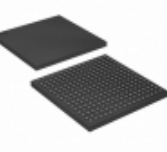
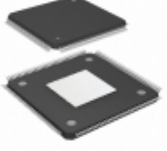
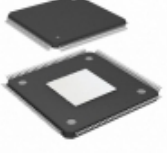
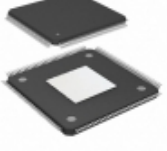
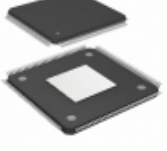
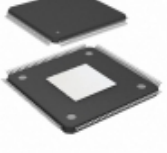
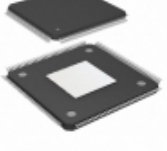
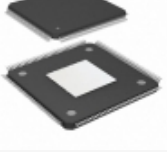
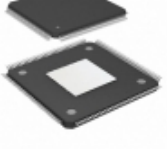
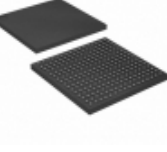
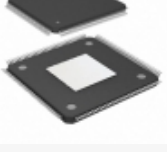
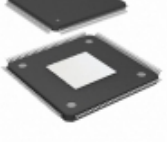
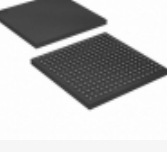
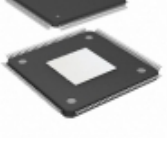
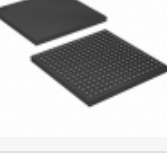
RoHs Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	EP4CE22E22C8L	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 79 I/O 144EQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	1953 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	608256	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	22320
Number of LABs/CLBs	1395	Number of I/O	79
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	EP4CE22		
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	Part#: EP4CE22F17C6 Description: IC FPGA 153 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE15M9I7N Description: IC FPGA 165 I/O 256MBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE15U14I7N Description: IC FPGA 165 I/O 256UBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE22E22I7N Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP4CE22E22C8N Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE22E22C9L Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE22E22C8 Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE22E22I7 Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE22E22A7N Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE22E22C6N Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15U14A7N Description: IC FPGA 165 I/O 256UBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE22E22C8LN Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE22E22C7 Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE15M9C7N Description: IC FPGA 165 I/O 256MBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE22E22I8LN Description: IC FPGA 79 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP4CE22F17A7N Description: IC FPGA 153 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ

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