

EP4CE40F29I7N





Part Number: [EP4CE40F29I7N](#)

Manufacturer [Intel® FPGAs](#)

Description IC FPGA 532 I/O 780FBGA

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

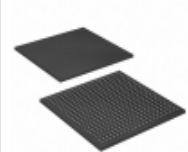
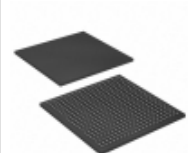
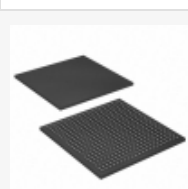
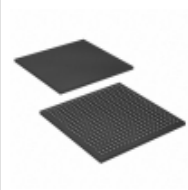
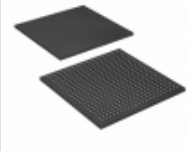
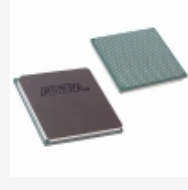
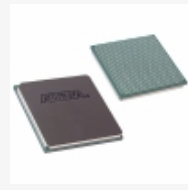
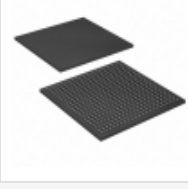
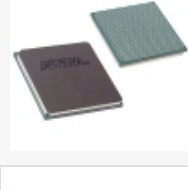
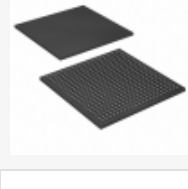
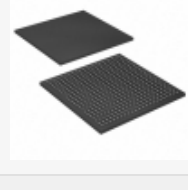
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PRODUCT PARAMETER			
Part Number	EP4CE40F29I7N	Manufacturer	Intel® FPGAs
Description	IC FPGA 532 I/O 780FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	746 pcs	Data sheet	Cyclone IV FPGA Overview Cyclone IV Device Datasheet Virtual JTAG Megafuntion User Guide Cyclone IV Device Family Errata Cyclone IV Device Handbook
Category	Integrated Circuits (ICs)	Voltage - Supply	1.15 V ~ 1.25 V
Total RAM Bits	1161216	Supplier Device Package	780-FBGA (29x29)
Series	Cyclone® IV E	Package / Case	780-BGA
Other Names	544-3198 EP4CE40F29I7N-ND	Operating Temperature	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	39600	Number of LABs/CLBs	2475
Number of I/O	532	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	EP4CE40
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	Part#: EP4CE55F23C7 Description: IC FPGA 324 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE40F29C8L Description: IC FPGA 532 I/O 780FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE40F29C8LN Description: IC FPGA 532 I/O 780FBGA	Manufacturers: Intel® FPGAs	RFQ
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	Part#: EP4CE55F23C6N Description: IC FPGA 324 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE40F29C8 Description: IC FPGA 532 I/O 780FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP4CE40U19I7N Description: IC FPGA 328 I/O 484UBGA	Manufacturers: Intel® FPGAs	RFQ
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