

EP3C16E144C8



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Part Number: [EP3C16E144C8](#)

Manufacturer: [Intel® FPGAs](#)

Description: IC FPGA 84 I/O 144EQFP

Data sheet:  [Cyclone III FPGA Family Errata](#)
 [Cyclone III Family Overview](#)
 [Cyclone III Device Handbook Vol2](#)
 [Cyclone III Device Handbook Vol1](#)
 [Cyclone III Brochure](#)
 [Cyclone III_Design Guidelines](#)
 [Virtual JTAG Megafuntion User Guide](#)
 [Cyclone III Datasheet](#)

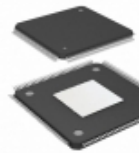
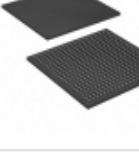
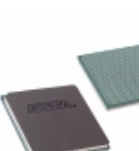
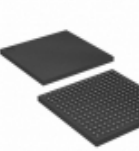
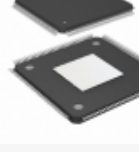
RoHs Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	EP3C16E144C8	Manufacturer	Intel® FPGAs
Description	IC FPGA 84 I/O 144EQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	3029 pcs	Data sheet	Cyclone III FPGA Family Errata Cyclone III Family Overview Cyclone III Device Handbook Vol2 Cyclone III Device Handbook Vol1 Cyclone III Brochure Cyclone III_Design Guidelines Virtual JTAG Megafuntion User Guide Cyclone III Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply	1.15 V ~ 1.25 V
Total RAM Bits	516096	Supplier Device Package	144-EQFP (20x20)
Series	Cyclone® III	Package / Case	144-LQFP Exposed Pad
Other Names	544-2540	Operating Temperature	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	15408	Number of LABs/CLBs	963
Number of I/O	84	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	EP3C16
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	Part#: EP3C120F484I7N Description: IC FPGA 283 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16F256C7N Description: IC FPGA 168 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16E144C7N Description: IC FPGA 84 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
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	Part#: EP3C16E144I7N Description: IC FPGA 84 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
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