

EP3C16E144A7N



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See Product Specifications for product details.
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Part Number: [EP3C16E144A7N](#)

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](#)

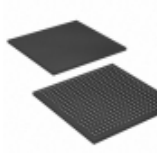
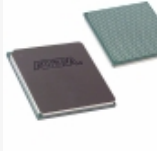
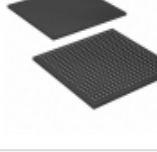
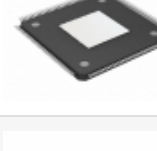
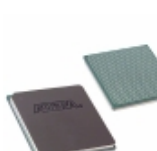
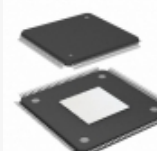
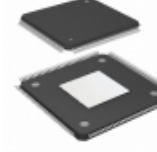
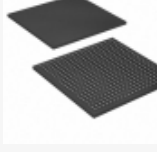
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	EP3C16E144A7N	Manufacturer	Intel® FPGAs
Description	IC FPGA 84 I/O 144EQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1580 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
Operating Temperature	-40°C ~ 125°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	Lead free / RoHS Compliant
Base Part Number	EP3C16		
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	Part#: EP3C120F484C8N Description: IC FPGA 283 I/O 484FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C120F780C8 Description: IC FPGA 531 I/O 780FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C16E144C7 Description: IC FPGA 84 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP3C16E144C8N Description: IC FPGA 84 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16F256C6 Description: IC FPGA 168 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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