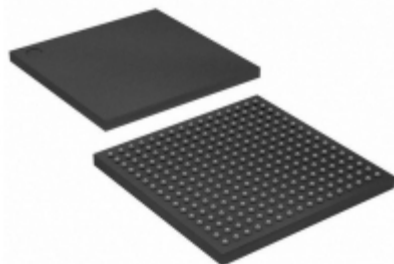


EP3C16F256I7N



Images are for reference only.
See Product Specifications for product details.
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Part Number: [EP3C16F256I7N](#)

Manufacturer [Intel® FPGAs](#)

Description IC FPGA 168 I/O 256FBGA

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](#)

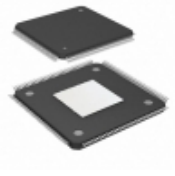
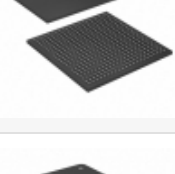
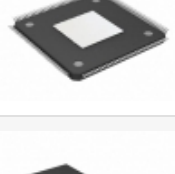
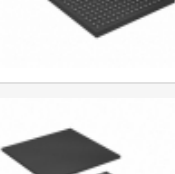
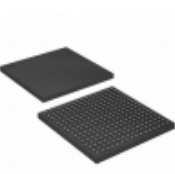
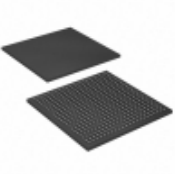
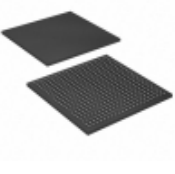
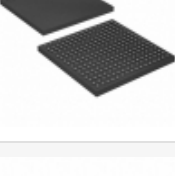
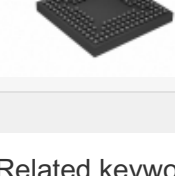
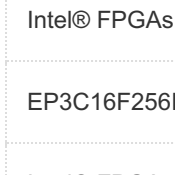
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	EP3C16F256I7N	Manufacturer	Intel® FPGAs
Description	IC FPGA 168 I/O 256FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1589 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	256-FBGA (17x17)
Series	Cyclone® III	Package / Case	256-LBGA
Other Names	544-3186 EP3C16F256I7N-ND	Operating Temperature	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	15408	Number of LABs/CLBs	963
Number of I/O	168	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	EP3C16
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	Part#: EP3C16F484C6 Description: IC FPGA 346 I/O 484FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C16F484C8 Description: IC FPGA 346 I/O 484FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C16E144I7 Description: IC FPGA 84 I/O 144EQFP	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C16F256A7N Description: IC FPGA 168 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16F256C6N Description: IC FPGA 168 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16F484C8N Description: IC FPGA 346 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16F256I7 Description: IC FPGA 168 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C16F484I7N Description: IC FPGA 346 I/O 484FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP3C16F484A7N Description: IC FPGA 346 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16F484C6N Description: IC FPGA 346 I/O 484FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C16F256C8N Description: IC FPGA 168 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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	Part#: EP3C16F256C7 Description: IC FPGA 168 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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