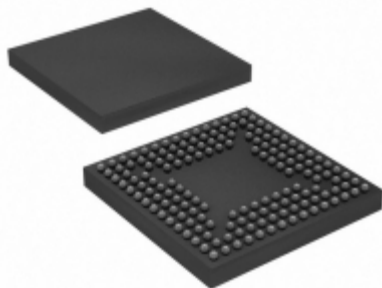


EP3C5M164C7N



Images are for reference only.
See Product Specifications for product details.
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Part Number: [EP3C5M164C7N](#)

Manufacturer: [Intel® FPGAs](#)

Description: IC FPGA 106 I/O 164MBGA

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](#)

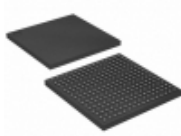
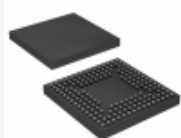
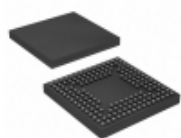
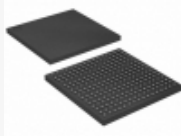
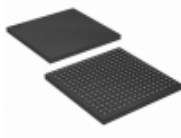
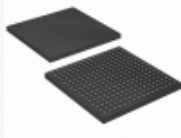
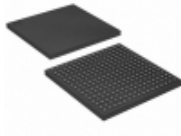
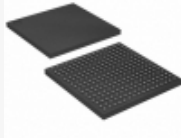
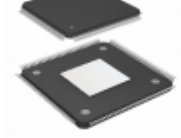
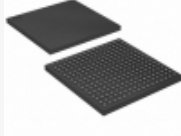
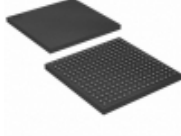
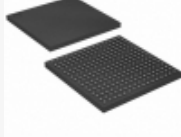
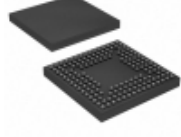
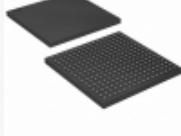
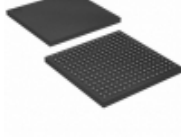
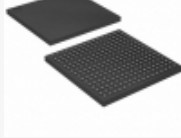
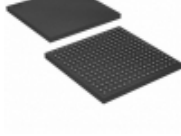
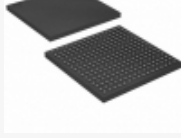
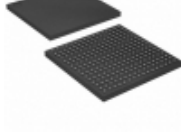
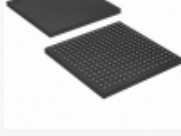
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PRODUCT PARAMETER			
Part Number	EP3C5M164C7N	Manufacturer	Intel® FPGAs
Description	IC FPGA 106 I/O 164MBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4201 pcs	Data sheet	Cyclone III FPGA Family Errata Cyclone III 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	423936	Supplier Device Package	164-MBGA (8x8)
Series	Cyclone® III	Package / Case	164-TFBGA
Other Names	544-2559	Operating Temperature	0°C ~ 85°C (TJ)
Number of Logic Elements/Cells	5136	Number of LABs/CLBs	321
Number of I/O	106	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	EP3C5
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	Part#: EP3C5M164I7 Description: IC FPGA 106 I/O 164MBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C5U256C8 Description: IC FPGA 182 I/O 256UBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C5F256C8N Description: IC FPGA 182 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C5F256C6N Description: IC FPGA 182 I/O 256FBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C5U256C8N Description: IC FPGA 182 I/O 256UBGA	Manufacturers: Intel® FPGAs	RFQ
	Part#: EP3C5F256I7 Description: IC FPGA 182 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C5E144I7N Description: IC FPGA 94 I/O 144EQFP	Manufacturers: Intel® FPGAs	RFQ
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	Part#: EP3C5F256C7 Description: IC FPGA 182 I/O 256FBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
	Part#: EP3C5U256C7 Description: IC FPGA 182 I/O 256UBGA	Manufacturers: Altera (Intel® Programmable Solutions Group)	RFQ
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