

5CEFA9F31I7N



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Part Number: 5CEFA9F31I7N

Manufacturer: [Altera \(Intel® Programmable Solutions Group\)](#)

Description: IC FPGA 480 I/O 896FBGA

Data sheet:  [Cyclone V Device Overview](#)
 [Cyclone V GX,GT,E Errata](#)
 [Cyclone V Device Datasheet](#)
 [Cyclone V Device Handbook](#)
 [Virtual JTAG Megafuntion User Guide](#)

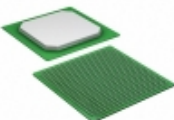
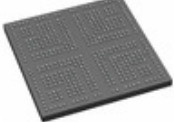
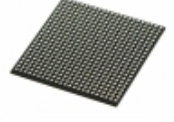
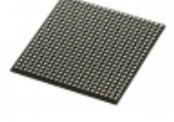
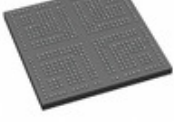
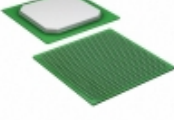
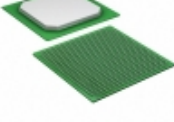
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	5CEFA9F31I7N	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 480 I/O 896FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	230 pcs	Data sheet	Cyclone V Device Overview Cyclone V GX,GT,E Errata Cyclone V Device Datasheet Cyclone V Device Handbook Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Voltage - Supply	1.07 V ~ 1.13 V
Total RAM Bits	14251008	Supplier Device Package	896-FBGA (31x31)
Series	Cyclone® V E	Package / Case	896-BGA
Other Names	544-3232 5CEFA9F31I7N-ND	Operating Temperature	-40°C ~ 100°C (TJ)
Number of Logic Elements/Cells	301000	Number of LABs/CLBs	113560
Number of I/O	480	Mounting Type	Surface Mount
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	24 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Base Part Number	5CEFA9
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