

5CSEMA6F31C8N



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Part Number: 5CSEMA6F31C8N

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

Description: IC FPGA 288 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](#)

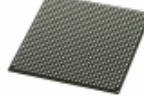
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PRODUCT PARAMETER			
Part Number	5CSEMA6F31C8N	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 288 I/O 896FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	524 pcs	Data sheet	Cyclone V Device Overview Cyclone V GX,GT,E Errata Cyclone V Device Datasheet Cyclone V Device Handbook Virtual JTAG Megafuntion User Guide
Category	Integrated Circuits (ICs)	Supplier Device Package	896-FBGA (31x31)
Speed	600MHz	Series	Cyclone® V SE
RAM Size	64KB	Primary Attributes	FPGA - 110K Logic Elements
Peripherals	DMA, POR, WDT	Packaging	Tray
Package / Case	896-BGA	Other Names	544-3465 5CSEMA6F31C8N-ND
Operating Temperature	0°C ~ 85°C (TJ)	Number of I/O	MCU - 181, FPGA - 288
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	8 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Flash Size	-
Detailed Description	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™ System On Chip (SOC) IC Cyclone® V SE FPGA - 110K Logic Elements 64KB 600MHz 896-FBGA (31x31)	Core Processor	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	Base Part Number	5CSEMA6
Architecture	MCU, FPGA		
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