

5CSEMA5F31C8N



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Part Number: [5CSEMA5F31C8N](#)

Manufacturer: [Intel® FPGAs](#)

Description: IC FPGA 288 I/O 896FBGA

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

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	5CSEMA5F31C8N	Manufacturer	Intel® FPGAs
Description	IC FPGA 288 I/O 896FBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	635 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 - 85K Logic Elements
Peripherals	DMA, POR, WDT	Packaging	Tray
Package / Case	896-BGA	Other Names	544-3550 5CSEMA5F31C8N-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 - 85K 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	5CSEMA5
Architecture	MCU, FPGA		
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