

5CSEMA6U23C7N



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Part Number: [5CSEMA6U23C7N](#)

Manufacturer: [Intel® FPGAs](#)

Description: IC FPGA 145 I/O 672UBGA

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	5CSEMA6U23C7N	Manufacturer	Intel® FPGAs
Description	IC FPGA 145 I/O 672UBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	467 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	672-UBGA (23x23)
Speed	800MHz	Series	Cyclone® V SE
RAM Size	64KB	Primary Attributes	FPGA - 110K Logic Elements
Peripherals	DMA, POR, WDT	Packaging	Tray
Package / Case	672-FBGA	Operating Temperature	0°C ~ 85°C (TJ)
Number of I/O	MCU - 181, FPGA - 145	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	15 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 800MHz 672-UBGA (23x23)
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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	Description: MITYSOM-5CSX W/ ALTERA CYCLONE V		
	Part#: 5CSEMA6U23A7N	Manufacturers: Intel® FPGAs	RFQ
	Description: IC FPGA 145 I/O 672UBGA		
	Part#: 5CSX-H6-42A-RI	Manufacturers: Critical Link	RFQ
	Description: MITYSOM-5CSX W/ ALTERA CYCLONE V		
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	Description: IC FPGA 288 I/O 896FBGA		
	Part#: 5CSX-H5-4YA-RC	Manufacturers: Critical Link	RFQ
	Description: MITYSOM-5CSX W/ ALTERA CYCLONE V		
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