

5CSEBA4U23C8SN



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Part Number: 5CSEBA4U23C8SN

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

Description: IC FPGA 188 I/O 672UBGA

Data sheet:  [Cyclone V Device Overview](#)
 [Cyclone V GX,GT,E Errata](#)
 [Cyclone V Device Datasheet](#)
 [Cyclone V Device Handbook](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

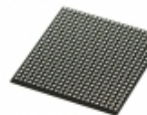
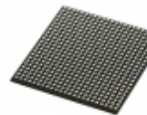
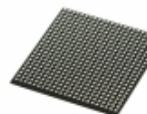
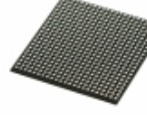
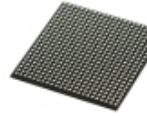
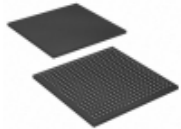
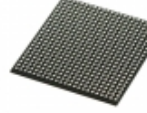
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PRODUCT PARAMETER			
Part Number	5CSEBA4U23C8SN	Manufacturer	Altera (Intel® Programmable Solutions Group)
Description	IC FPGA 188 I/O 672UBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	1286 pcs	Data sheet	Cyclone V Device Overview Cyclone V GX,GT,E Errata Cyclone V Device Datasheet Cyclone V Device Handbook
Category	Integrated Circuits (ICs)	Supplier Device Package	672-UBGA (23x23)
Speed	600MHz	Series	Cyclone® V SE
RAM Size	64KB	Primary Attributes	FPGA - 40K Logic Elements
Peripherals	DMA, POR, WDT	Packaging	Tray
Package / Case	672-FBGA	Other Names	544-3459 5CSEBA4U23C8SN-ND
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	Single ARM® Cortex®-A9 MPCore™ with CoreSight™ System On Chip (SOC) IC Cyclone® V SE FPGA - 40K Logic Elements 64KB 600MHz 672-UBGA (23x23)	Core Processor	Single ARM® Cortex®-A9 MPCore™ with CoreSight™
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	Architecture	MCU, FPGA

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