



Intel® FPGAs



Image may be representation. See specifications for product details.

5CSEMA5U23A7N

Part Number:	5CSEMA5U23A7N
Manufacturer/Brand:	Intel® FPGAs
Product description	IC FPGA 145 I/O 672UBGA
	1.5CSEMA5U23A7N.pdf
	2.5CSEMA5U23A7N.pdf
	3.5CSEMA5U23A7N.pdf
	4.5CSEMA5U23A7N.pdf
	5.5CSEMA5U23A7N.pdf
Datasheets:	
RoHS Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

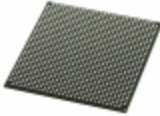
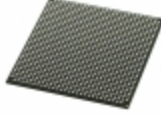
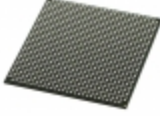
Specifications of 5CSEMA5U23A7N

PART NUMBER	5CSEMA5U23A7N
MANUFACTURER	Intel® FPGAs
DESCRIPTION	IC FPGA 145 I/O 672UBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.5CSEMA5U23A7N.pdf 2.5CSEMA5U23A7N.pdf 3.5CSEMA5U23A7N.pdf 4.5CSEMA5U23A7N.pdf 5.5CSEMA5U23A7N.pdf
SUPPLIER DEVICE PACKAGE	672-UBGA (23x23)
SPEED	700MHz
SERIES	Automotive, AEC-Q100, Cyclone® V SE
RAM SIZE	64KB
PRIMARY ATTRIBUTES	FPGA - 85K Logic Elements
PERIPHERALS	DMA, POR, WDT
PACKAGING	Tray
PACKAGE / CASE	672-FBGA
OPERATING TEMPERATURE	-40°C ~ 125°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 Automotive, AEC-Q100, Cyclone® V SE FPGA - 85K Logic Elements 64KB 700MHz 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	5CSEMA5
ARCHITECTURE	MCU, FPGA

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