



Intel® FPGAs



Image may be representation. See specifications for product details.

5CSXFC6C6U23C7N

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|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | 5CSXFC6C6U23C7N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer/Brand: | Intel® FPGAs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product description | IC FPGA 145 I/O 672UBGA <div> 1.5CSXFC6C6U23C7N.pdf</div> <div> 2.5CSXFC6C6U23C7N.pdf</div> <div> 3.5CSXFC6C6U23C7N.pdf</div> <div> 4.5CSXFC6C6U23C7N.pdf</div> <div> 5.5CSXFC6C6U23C7N.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

REQUEST FOR QUOTATION

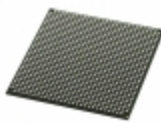
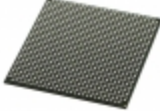
Specifications of 5CSXFC6C6U23C7N

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 5CSXFC6C6U23C7N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MANUFACTURER                     | Intel® FPGAs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DESCRIPTION                      | IC FPGA 145 I/O 672UBGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DATA SHEET                       | <div> 1.5CSXFC6C6U23C7N.pdf</div> <div> 2.5CSXFC6C6U23C7N.pdf</div> <div> 3.5CSXFC6C6U23C7N.pdf</div> <div> 4.5CSXFC6C6U23C7N.pdf</div> <div> 5.5CSXFC6C6U23C7N.pdf</div> |
| SUPPLIER DEVICE PACKAGE          | 672-UBGA (23x23)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SPEED                            | 800MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SERIES                           | Cyclone® V SX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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 SX 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                 | 5CSXFC6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

Related Tags

|                               |                                    |                                  |
|-------------------------------|------------------------------------|----------------------------------|
| Intel® FPGAs 5CSXFC6C6U23C7N  | 5CSXFC6C6U23C7N Distributor        | 5CSXFC6C6U23C7N Supplier         |
| 5CSXFC6C6U23C7N Price         | 5CSXFC6C6U23C7N Pictures           | 5CSXFC6C6U23C7N Image            |
| 5CSXFC6C6U23C7N PDF Datasheet | 5CSXFC6C6U23C7N Download Datasheet | 5CSXFC6C6U23C7N Datasheet        |
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Related Products

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| <div></div> <div>5CSXFC5D6F31C6N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 288 I/O 896FBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>                                   | <div></div> <div>5CSXFC6C6U23I7LN</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 672-PIN UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>                                             |
| <div></div> <div>5CSXFC6C6U23A7N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>                                   | <div></div> <div>5CSXFC5D6F31C8N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 288 I/O 896FBGA</div> <div>In stock: 27 pcs</div> <div>RFQ</div>      |
| <div></div> <div>5CSXFC6C6U23C8NES</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div> | <div></div> <div>5CSXFC5D6F31I7N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 288 I/O 896FBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>                                   |
| <div></div> <div>5CSXFC6C6U23I7NTS</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 672-PIN UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>                                            | <div></div> <div>5CSXFC6C6U23C6N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>                                   |
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| <div></div> <div>5CSXFC5D6F31C7N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 288 I/O 896FBGA</div> <div>In stock: Out stock</div> <div>RFQ</div>                                   | <div></div> <div>5CSXFC6C6U23C8N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: 20 pcs</div> <div>RFQ</div>      |