



Altera (Intel® Programmable

Solutions Group)



5CSEBA6U23I7N

|                     |                                                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | 5CSEBA6U23I7N                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                                             |
| Product description | IC FPGA 145 I/O 672UBGA <div><div>PDF</div>1.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>2.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>3.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>4.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>5.5CSEBA6U23I7N.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                          |
| RoHs Status         | <div><div>✓</div><div>RoHS</div></div> Lead free / RoHS Compliant                                                                                                                                                                                        |
| Stock Condition     | 363 pcs stock                                                                                                                                                                                                                                            |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                    |

REQUEST FOR QUOTATION

Specifications of 5CSEBA6U23I7N

|                                  |                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | 5CSEBA6U23I7N                                                                                                                                                                                                                    |
| MANUFACTURER                     | Altera (Intel® Programmable Solutions Group)                                                                                                                                                                                     |
| DESCRIPTION                      | IC FPGA 145 I/O 672UBGA                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 363 pcs                                                                                                                                                                                                                          |
| DATA SHEET                       | <div><div>PDF</div>1.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>2.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>3.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>4.5CSEBA6U23I7N.pdf</div> <div><div>PDF</div>5.5CSEBA6U23I7N.pdf</div> |
| 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                                                                                                                                                                                                                         |
| OTHER NAMES                      | 544-3307<br>5CSEBA6U23I7N-ND                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 100°C (TJ)                                                                                                                                                                                                               |
| NUMBER OF I/O                    | MCU - 181, FPGA - 145                                                                                                                                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                    |
| 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                 | 5CSEBA6                                                                                                                                                                                                                          |
| ARCHITECTURE                     | MCU, FPGA                                                                                                                                                                                                                        |

Related Tags

|                                                            |                                                       |                                                                |
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| 5CSEBA6U23I7N Price                                        | 5CSEBA6U23I7N Pictures                                | 5CSEBA6U23I7N Image                                            |
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Related Products

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| <div></div> <div>5CSEBA6U23C8SN</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: 590 pcs</div> <div>RFQ</div> | <div></div> <div>5CSEBA6U23I7SN</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: 410 pcs</div> <div>RFQ</div>                                |
| <div></div> <div>5CSEMA2U23C6N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 188 I/O 672UBGA</div> <div>In stock: 944 pcs</div> <div>RFQ</div>  | <div></div> <div>5CSEMA2U23C7N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 188 I/O 672UBGA</div> <div>In stock: 893 pcs</div> <div>RFQ</div>                                 |
| <div></div> <div>5CSEMA2U23A7N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 188 I/O 672UBGA</div> <div>In stock: 609 pcs</div> <div>RFQ</div>  | <div></div> <div>5CSEBA6U23C6N</div> <div>Manufacturers: Altera (Intel® Programmable Solutions Group)</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: 386 pcs</div> <div>RFQ</div> |
| <div></div> <div>5CSEBA6U23I7LN</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 672-PIN UBGA</div> <div>In stock: 334 pcs</div> <div>RFQ</div>            | <div></div> <div>5CSEBA6U23I7NTS</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: 672-PIN UBGA</div> <div>In stock: 401 pcs</div> <div>RFQ</div>                                          |
| <div></div> <div>5CSEBA6U23C8N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: 540 pcs</div> <div>RFQ</div>  | <div></div> <div>5CSEMA2U23C8N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 188 I/O 672UBGA</div> <div>In stock: 1191 pcs</div> <div>RFQ</div>                                |
| <div></div> <div>5CSEBA6U23C7N</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: 491 pcs</div> <div>RFQ</div>  | <div></div> <div>5CSEBA6U23C7SN</div> <div>Manufacturers: Intel® FPGAs</div> <div>Description: IC FPGA 145 I/O 672UBGA</div> <div>In stock: 493 pcs</div> <div>RFQ</div>                                |