

Image may be representation.  
See specifications for product details.



## 5CSXFC6C6U23I7N

Manufacturer Part Number **5CSXFC6C6U23I7N**

Manufacturer **Intel**

Allelco Part Number **32D-5CSXFC6C6U23I7N**

ECAD Model Request Free CAD Models

Parts Description **IC SOC CORTEX-A9 800MHZ 672UBGA**

Package **672-FBGA**

Data sheet **[Virtual JTAG Megafuntion Guide.pdf](#)**

**[Cyclone V Device Handbook.pdf](#)**

**[Cyclone V Device Overview.pdf](#)**

RoHS Status **RoHS Compliant**

**Get a Quote**

5CSXFC6C6U23I7N - Intel.New Original in Stock. Download Linear Technology 5CSXFC6C6U23I7N datasheet/specifications on AllelcoElec.com.  
Request a quote for 5CSXFC6C6U23I7N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

5CSXFC6C6U23I7N Tech Specifications  
5CSXFC6C6U23I7N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Package	Tray
Supplier Device Package	672-UBGA (23x23)	Operating Temperature	-40°C ~ 100°C (TJ)
Speed	800MHz	Number of I/O	MCU - 181, FPGA - 145
Series	Cyclone® V SX	Flash Size	-
RAM Size	64KB	Core Processor	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™
Primary Attributes	FPGA - 110K Logic Elements	Connectivity	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG
Peripherals	DMA, POR, WDT	Base Product Number	5CSXFC6
Package / Case	672-FBGA	Architecture	MCU, FPGA

### Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 5CSXFC6C6U23I7N

Product Attribute				
Part Number	5CSXFC6C6U23I7N	5CSXFC5D6F3117N	5CSXFC5G6U23C6N	5CSXFC6C6U23C7N
Manufacturer	Intel	Intel	Intel	Intel
Speed	800MHz	800MHz	925MHz	800MHz
Architecture	MCU, FPGA	MCU, FPGA	MCU, FPGA	MCU, FPGA
Supplier Device Package	672-UBGA (23x23)	896-FBGA (31x31)	672-UBGA (23x23)	672-UBGA (23x23)
Series	Cyclone® V SX	Cyclone® V SX	Cyclone® V SX	Cyclone® V SX
Operating Temperature	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 85°C (TJ)	0°C ~ 85°C (TJ)
Package / Case	672-FBGA	896-BGA	672-FBGA	672-FBGA
Core Processor	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™
Peripherals	DMA, POR, WDT	DMA, POR, WDT	DMA, POR, WDT	DMA, POR, WDT
Primary Attributes	FPGA - 110K Logic Elements	FPGA - 85K Logic Elements	FPGA - 85K Logic Elements	FPGA - 110K Logic Elements
Package	Tray	Tray	Tray	Tray
Number of I/O	MCU - 181, FPGA - 145	MCU - 181, FPGA - 288	MCU - 181, FPGA - 145	MCU - 181, FPGA - 145
Flash Size	-	-	-	-
RAM Size	64KB	64KB	64KB	64KB
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG
Base Product Number	5CSXFC6	5CSXFC5	5CSXFC5	5CSXFC6

### 5CSXFC6C6U23I7N Datasheet PDF

Download 5CSXFC6C6U23I7N pdf datasheets and Intel documentation for 5CSXFC6C6U23I7N - Intel.

#### Datasheets

- [Virtual JTAG Megafuntion Guide.pdf](#)
- [Cyclone V Device Handbook.pdf](#)
- [Cyclone V Device Overview.pdf](#)

#### PCN Packaging

- [Mult Dev Label CHG 24/Jan/2020.pdf](#)
- [Mult Dev Label Chgs 24/Feb/2020.pdf](#)

#### PCN Design/Specification







- [Quartus SW/Web Chgs 23/Sep/2021.pdf](#)
- [Mult Dev Software Chgs 3/Jun/2021.pdf](#)

#### Errata

- [2.73KHz.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>5CSXFC5D6F31I7N</b> Intel IC SOC CORTEX-A9 800MHZ 896FBGA	<b>5CSXFC5C6U23C6N</b> Intel IC SOC CORTEX-A9 925MHZ 672UBGA	<b>5CSXFC5C6U23C8N</b> Altera (Intel) IC SOC CORTEX-A9 925MHZ 896FBGA	<b>5CSXFC6C6U23C7N</b> Intel IC SOC CORTEX-A9 800MHZ 672UBGA	<b>5CSXFC6C6U23C6N</b> Intel IC SOC CORTEX-A9 925MHZ 672UBGA	<b>5CSXFC5D6F31C6N</b> Intel IC SOC CORTEX-A9 925MHZ 896FBGA
					
<b>5CSXFC5C6U23I7N</b> Intel IC SOC CORTEX-A9 800MHZ 672UBGA	<b>5CSXFC6C6U23A7N</b> Intel IC SOC CORTEX-A9 700MHZ 672UBGA	<b>5CSXFC6D6F31C6N</b> Intel IC SOC CORTEX-A9 925MHZ 896FBGA	<b>5CSXFC4C6U23I7N</b> Intel IC SOC CORTEX-A9 800MHZ 672UBGA	<b>5CSXFC5C6U23C8N</b> Intel IC SOC CORTEX-A9 600MHZ 672UBGA	<b>5CSXFC5D6F31C7N</b> Intel IC SOC CORTEX-A9 800MHZ 896FBGA
					
<b>5CSXFC6D6F31C8N</b> Intel IC SOC CORTEX-A9 600MHZ 896FBGA	<b>5CSXFC6C6U23C8NES</b> Intel IC SOC CORTEX-A9 600MHZ 672UBGA	<b>5CSXFC6C6U23C8N</b> Intel IC SOC CORTEX-A9 600MHZ 672UBGA	<b>5CSXFC5C6U23C7N</b> Intel IC SOC CORTEX-A9 800MHZ 672UBGA	<b>5CSXFC6D6F31I7N</b> Intel IC SOC CORTEX-A9 800MHZ 896FBGA	<b>5CSXFC5D6F31C8N</b> Intel IC SOC CORTEX-A9 600MHZ 896FBGA

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

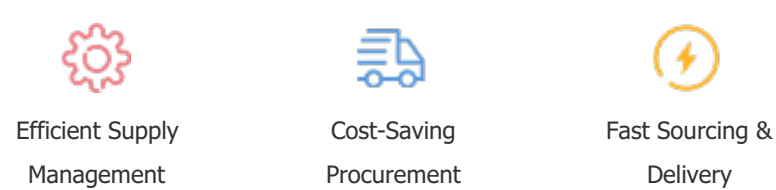
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### Payment Support

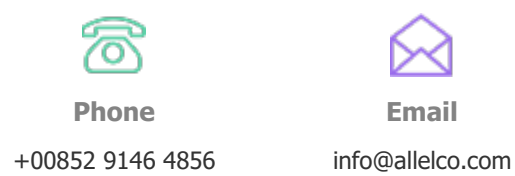
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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