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See specifications for product details.



10AS016E4F27E3SG

Manufacturer Part Number **10AS016E4F27E3SG**

Manufacturer **Intel**

Allelco Part Number **32D-10AS016E4F27E3SG**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC SOC CORTEX-A9 1.5GHZ 672FBGA**

Package **672-BBGA, FCBGA**

Data sheet [Arria 10 Device Datasheet.pdf](#)

[Arria 10 Device Overview ~.pdf](#)

RoHS Status **RoHS Compliant**

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10AS016E4F27E3SG - Intel.New Original in Stock. Download Linear Technology 10AS016E4F27E3SG datasheet/specifications on AllelcoElec.com.
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Specifications

10AS016E4F27E3SG Tech Specifications
10AS016E4F27E3SG - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Package	Tray
Supplier Device Package	672-FBGA, FC (27x27)	Operating Temperature	0°C ~ 100°C (TJ)
Speed	1.5GHz	Number of I/O	240
Series	Arria 10 SX	Flash Size	-
RAM Size	256KB	Core Processor	Dual ARM® Cortex®-A9 MPCore™ with CoreSight™
Primary Attributes	FPGA - 160K Logic Elements	Connectivity	EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG
Peripherals	DMA, POR, WDT	Architecture	MCU, FPGA
Package / Case	672-BBGA, FCBGA		

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel 10AS016E4F27E3SG

Product Attribute				
Part Number	10AS016E4F27E3SG	10AS016E3F29E2LG	10AS032E3F29I2SG	10AS027H3F34I2LG
Manufacturer	Intel	Intel	Intel	Intel
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™
Operating Temperature	0°C ~ 100°C (TJ)	0°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)
Peripherals	DMA, POR, WDT	DMA, POR, WDT	DMA, POR, WDT	DMA, POR, WDT
Architecture	MCU, FPGA	MCU, FPGA	MCU, FPGA	MCU, FPGA
Connectivity	EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG	EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SPI, UART/USART, USB OTG
Flash Size	-	-	-	-
Package	Tray	Tray	Tray	Tray
Number of I/O	240	288	360	384
Package / Case	672-BBGA, FCBGA	780-BBGA, FCBGA	780-BBGA, FCBGA	1152-BBGA, FCBGA
Primary Attributes	FPGA - 160K Logic Elements	FPGA - 160K Logic Elements	FPGA - 320K Logic Elements	FPGA - 270K Logic Elements
Speed	1.5GHz	1.5GHz	1.5GHz	1.5GHz
Supplier Device Package	672-FBGA, FC (27x27)	780-FBGA, FC (29x29)	780-FBGA, FC (29x29)	1152-FBGA, FC (35x35)
Series	Arria 10 SX	Arria 10 SX	Arria 10 SX	Arria 10 SX
RAM Size	256KB	256KB	256KB	256KB

10AS016E4F27E3SG Datasheet PDF

Download 10AS016E4F27E3SG pdf datasheets and Intel documentation for 10AS016E4F27E3SG - Intel.

Datasheets

[Arria 10 Device Datasheet.pdf](#)

[Arria 10 Device Overview ~.pdf](#)

PCN Design/Specification

[Arria/Cyclone 10 Software Chg 3/Jun/2021.pdf](#)

[Mult Dev Des/Errata Chgs 16/Aug/2022.pdf](#)

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10A816



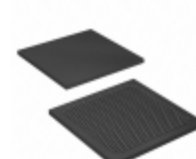
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DIODE GEN PURP 1000V 10A R-6



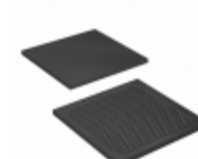
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NEC
IGBT Module



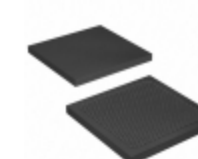
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Intel
IC SOC CORTEX-A9 1.5GHZ 780FBGA



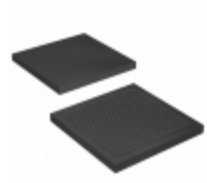
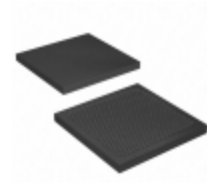
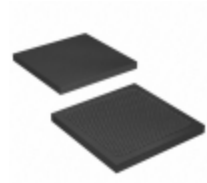
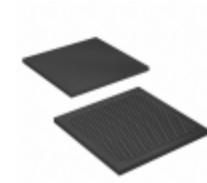
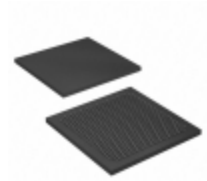
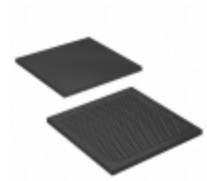
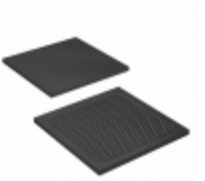
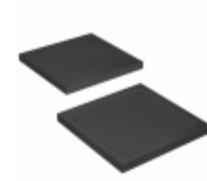
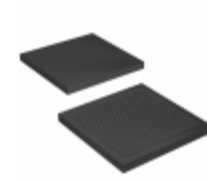
10AS032E3F29I2SG

Intel
IC SOC CORTEX-A9 1.5GHZ 780FBGA



10AS027H3F34I2LG

Intel
IC SOC CORTEX-A9 1.5GHZ

**10AS066H3F34I2LG**Intel
IC SOC CORTEX-A9 1.5GHZ
1152FBGA**10AS032H3F34I2SG**Intel
IC SOC CORTEX-A9 1.5GHZ
1152FBGA**10AS048H3F34E2SG**Intel
IC SOC CORTEX-A9 1.5GHZ
1152FBGA**10AC6F**NEC
IGBT Module**10AC3F**NEC
IGBT Module**10AS016E4F29I3LG**Intel
IC SOC CORTEX-A9 1.5GHZ 780FBGA**10AS016E4F29E3SG**Intel
IC SOC CORTEX-A9 1.5GHZ 780FBGA**10AC3S**NEC
IGBT Module**10AS027E3F29E2SG**Intel
IC SOC CORTEX-A9 1.5GHZ 780FBGA**10AS016E3F29I2SG**Intel
IC SOC CORTEX-A9 1.5GHZ 780FBGA**10AS066H3F34E2SG**Intel
IC SOC CORTEX-A9 1.5GHZ
1152FBGA**10AS066K3F35E2SG**Intel
IC SOC CORTEX-A9 1.5GHZ
1152FBGA

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 -

Efficient Supply
ManagementCost-Saving
ProcurementFast Sourcing &
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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