



Image may be representation.
See specifications for product details.



AT32UC3A3256S-ALUR

Manufacturer Part Number	AT32UC3A3256S-ALUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT32UC3A3256S-ALUR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 256KB FLASH 144LQFP
Package	144-LQFP
Data sheet	AT32UC3Azzz(S) Complete.pdf AT32UC3Azzz(S) Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT32UC3A3256S-ALUR - Microchip Technology.New Original in Stock. Download Linear Technology AT32UC3A3256S-ALUR datasheet/specifications on AllelcoElec.com. Request a quote for AT32UC3A3256S-ALUR, please send us email: info@allelco.com

Specifications

AT32UC3A3256S-ALUR Tech Specifications
AT32UC3A3256S-ALUR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.75V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	110
Speed	66MHz	Mounting Type	Surface Mount
Series	AVR@32 UC3 A3	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	AVR
Peripherals	Brown-out Detect/Reset, DMA, POR, WDT	Connectivity	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTG
Package / Case	144-LQFP	Base Product Number	AT32UC3
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT32UC3A3256S-ALUR

Product Attribute				
Part Number	AT32UC3A3256S-ALUR	AT32UC3A3256-CTUR	AT32UC3A364-ALUT	AT32UC3A364-ALUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	144-LQFP	144-TFBGA	144-LQFP	144-LQFP
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
RAM Size	128K x 8	128K x 8	128K x 8	128K x 8
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	64KB (64K x 8)	64KB (64K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	66MHz	66MHz	66MHz	66MHz
Core Processor	AVR	AVR	AVR	AVR
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Series	AVR@32 UC3 A3	AVR@32 UC3 A3	AVR@32 UC3 A3	AVR@32 UC3 A3
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Connectivity	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTG	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTG	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTG	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB OTG
Voltage - Supply (Vcc/Vdd)	1.75V ~ 3.6V	1.75V ~ 3.6V	1.75V ~ 3.6V	1.75V ~ 3.6V
Supplier Device Package	144-LQFP (20x20)	144-FFBGA (11x11)	144-LQFP (20x20)	144-LQFP (20x20)
Base Product Number	AT32UC3	AT32UC3	AT32UC3	AT32UC3
Peripherals	Brown-out Detect/Reset, DMA, POR, WDT	Brown-out Detect/Reset, DMA, POR, WDT	Brown-out Detect/Reset, DMA, POR, WDT	Brown-out Detect/Reset, DMA, POR, WDT
Number of I/O	110	110	110	110

AT32UC3A3256S-ALUR Datasheet PDF

Download AT32UC3A3256S-ALUR pdf datasheets and Microchip Technology documentation for AT32UC3A3256S-ALUR - Microchip Technology.

Datasheets

[AT32UC3Azzz\(S\) Complete.pdf](#)

[AT32UC3Azzz\(S\) Summary.pdf](#)

PCN Packaging

Boxes 07/Dec/2016.pdf

Tape and Reel Label Update 10/Feb/2015.pdf

PCN Design/Specification







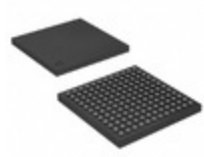

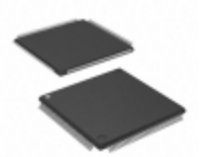
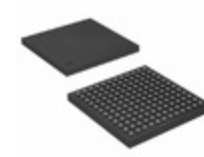











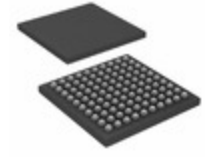
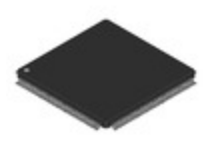
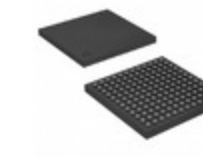
Marking Chgs 11/Jul/2017.pdf

PCN Assembly/Origin

AT32UC3Axxx/AT32UC3Cxxx 09/Nov/2021.pdf

Customers Also Interested in

Recommended Products

					
					
AT32UC3A3256J-U Atmel (Microchip Technology)	AT32UC3A3256-CTUR Microchip Technology IC MCU 32BIT 256KB FLSH 144FFBGA	AT32UC3A364-ALUT Microchip Technology IC MCU 32BIT 64KB FLASH 144LQFP	AT32UC3A364-ALUR Microchip Technology IC MCU 32BIT 64KB FLASH 144LQFP	AT32UC3A3256-CTUT Microchip Technology IC MCU 32BIT 256KB FLSH 144FFBGA	AT32UC3A3256-U Atmel (Microchip Technology)
					
AT32UC3A3256-ALUT Microchip Technology IC MCU 32BIT 256KB FLASH 144LQFP	AT32UC3A3256-CTU Atmel (Microchip Technology)	AT32UC3A3256J Atmel (Microchip Technology)	AT32UC3A364S-ALUT Microchip Technology IC MCU 32BIT 64KB FLASH 144LQFP	AT32UC3A3256S-U Atmel (Microchip Technology)	AT32UC3A3256S-ALUT Microchip Technology IC MCU 32BIT 256KB FLASH 144LQFP
					
AT32UC3A4128-C1UT Atmel IC MCU 32BIT 128KB FLSH 100VFBGA	AT32UC3A3256-ALUR Microchip Technology IC MCU 32BIT 256KB FLASH 144LQFP	AT32UC3A3256J-CTUR Atmel (Microchip Technology)	AT32UC3A4128-C1UT Microchip Technology IC MCU 32BIT 128KB FLSH 100VFBGA	AT32UC3A3256S-ALUT Atmel IC MCU 32BIT 256KB FLASH 144LQFP	AT32UC3A3256S-CTUT Microchip Technology IC MCU 32BIT 256KB FLSH 144FFBGA

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 Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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