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See specifications for product details.



AT32UC3B0256-A2UT

Manufacturer Part Number	AT32UC3B0256-A2UT
Manufacturer	Atmel
Allelco Part Number	32D-AT32UC3B0256-A2UT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 256KB FLASH 64TQFP
Package	64-TQFP
Data sheet	AT32UC3B0256-A2UT.pdf

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Specifications

AT32UC3B0256-A2UT Tech Specifications
AT32UC3B0256-A2UT - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-TQFP (10x10)	Number of I/O	44
Speed	60MHz	Mounting Type	Surface Mount
Series	AVR@32 UC3 B	EEPROM Size	-
RAM Size	32K 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, PWM, WDT	Connectivity	I ² C, IrDA, SPI, SSC, UART/USART, USB
Package / Case	64-TQFP	Base Product Number	AT32UC3
Package	Bulk		

Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel AT32UC3B0256-A2UT

Product Attribute				
Part Number	AT32UC3B0256-A2UT	AT32UC3B0128-Z2UR	AT32UC3B0128-Z2UT	AT32UC3B0256-Z2UT
Manufacturer	Atmel	Atmel	Atmel	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I ² C, IrDA, SPI, SSC, UART/USART, USB	I ² C, IrDA, SPI, SSC, UART/USART, USB	I ² C, IrDA, SPI, SSC, UART/USART, USB	I ² C, IrDA, SPI, SSC, UART/USART, USB
Series	AVR@32 UC3 B	AVR@32 UC3 B	AVR@32 UC3 B	AVR@32 UC3 B
Package	Bulk	Bulk	Bulk	Tray
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Package / Case	64-TQFP	64-VFQFN Exposed Pad	64-VFQFN Exposed Pad	64-VFQFN Exposed Pad
RAM Size	32K x 8	32K x 8	32K x 8	32K x 8
Core Processor	AVR	AVR	AVR	AVR
Supplier Device Package	64-TQFP (10x10)	64-QFN (9x9)	64-QFN (9x9)	64-QFN (9x9)
Number of I/O	44	44	44	44
Base Product Number	AT32UC3	AT32UC3	AT32UC3	AT32UC3
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Speed	60MHz	60MHz	60MHz	60MHz
EEPROM Size	-	-	-	-
Program Memory Size	256KB (256K x 8)	128KB (128K x 8)	128KB (128K x 8)	256KB (256K x 8)

Customers Also Interested in

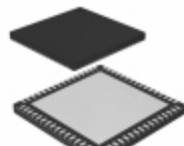
Recommended Products



AT32UC3B0128-Z2UR
Atmel
IC MCU 32BIT 128KB FLASH 64QFN



AT32UC3B0128-Z2UT
Atmel
IC MCU 32BIT 128KB FLASH 64QFN



AT32UC3B0256-Z2UT
Microchip Technology
IC MCU 32BIT 256KB FLASH 64QFN



AT32UC3B0512-U
Atmel (Microchip Technology)



AT32UC3B0128-U
Atmel (Microchip Technology)



AT32UC3B0256-U
Atmel (Microchip Technology)

					
AT32UC3B0128-A2UT Microchip Technology IC MCU 32BIT 128KB FLASH 64TQFP	AT32UC3B0512-A2UR Microchip Technology IC MCU 32BIT 512KB FLASH 64TQFP	AT32UC3B0128-Z2UT Microchip Technology IC MCU 32BIT 128KB FLASH 64QFN	AT32UC3B0256-Z2UT Atmel IC MCU 32BIT 256KB FLASH 64QFN	AT32UC3B0256-A2UT Microchip Technology IC MCU 32BIT 256KB FLASH 64TQFP	AT32UC3B0512-Z2UT Microchip Technology IC MCU 32BIT 512KB FLASH 64QFN
					
AT32UC3B0512-A2UT Microchip Technology IC MCU 32BIT 512KB FLASH 64TQFP	AT32UC3B0128-Z2UR Microchip Technology IC MCU 32BIT 128KB FLASH 64QFN	AT32UC3B0128-A2UR Microchip Technology IC MCU 32BIT 128KB FLASH 64TQFP	AT32UC3B0128-AU Atmel (Microchip Technology)	AT32UC3A464S-U Atmel (Microchip Technology)	AT32UC3B0512-Z2UR Microchip Technology IC MCU 32BIT 512KB FLASH 64QFN

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:
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Certifications & Memberships



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