

Image may be representation.  
See specifications for product details.



## ATSAM3N2BA-AU

Manufacturer Part Number	<b>ATSAM3N2BA-AU</b>
Manufacturer	<b>Atmel</b>
Allelco Part Number	32D-ATSAM3N2BA-AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	ATSAM3N2BA-AU.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATSAM3N2BA-AU - Atmel.New Original in Stock. Download Linear Technology ATSAM3N2BA-AU datasheet/specifications on AllelcoElec.com.  
Request a quote for ATSAM3N2BA-AU, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

ATSAM3N2BA-AU Tech Specifications

ATSAM3N2BA-AU - Atmel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Atmel	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	47
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM3N	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 10x10b; D/A 1x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART
Package / Case	64-LQFP	Base Product Number	ATSAM3N
Package	Tray		

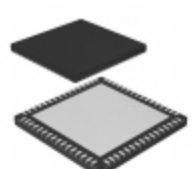
## Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATSAM3N2BA-AU

Product Attribute				
Part Number	ATSAM3N2BA-AU	ATSAM3N1BB-MU	ATSAM3N1CB-CU	ATSAM3N1BA-MU
Manufacturer	Atmel	Microchip Technology	Atmel	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Bulk	Tray
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Base Product Number	ATSAM3N	ATSAM3N	ATSAM3N	ATSAM3N
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	-	-	-	-
Package / Case	64-LQFP	64-VFQFN Exposed Pad	100-TFBGA	64-VFQFN Exposed Pad
Speed	48MHz	48MHz	48MHz	48MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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
Number of I/O	47	47	79	47
Supplier Device Package	64-LQFP (10x10)	64-QFN (9x9)	100-TFBGA (9x9)	64-QFN (9x9)
RAM Size	16K x 8	8K x 8	8K x 8	8K x 8
Program Memory Size	128KB (128K x 8)	64KB (64K x 8)	64KB (64K x 8)	64KB (64K x 8)
Connectivity	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Series	SAM3N	SAM3N	SAM3N	SAM3N
Data Converters	A/D 10x10b; D/A 1x10b	A/D 10x10b; D/A 1x10b	A/D 16x10b; D/A 1x10b	A/D 10x10b; D/A 1x10b

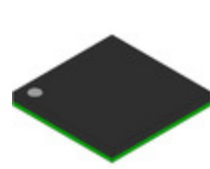
## Customers Also Interested in

### Recommended Products



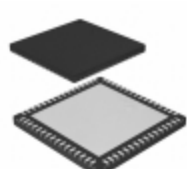
**ATSAM3N1BB-MU**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64QFN



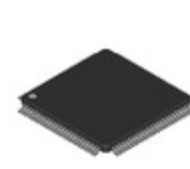
**ATSAM3N1CB-CU**

Atmel  
IC MCU 32BIT 64KB FLASH 100TFBGA



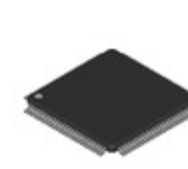
**ATSAM3N1BA-MU**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64QFN



**ATSAM3N1CA-AU**

Atmel  
IC MCU 32BIT 64KB FLASH 100LQFP



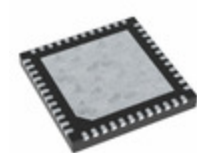
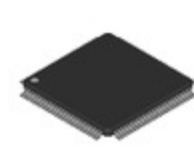
**ATSAM3N2CA-AU**

Atmel  
IC MCU 32BIT 128KB FLASH 100LQFP



**ATSAM3N1CA-AU**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 100LQFP



### ATSAM3N4AA-MU

Atmel  
IC MCU 32BIT 256KB FLASH 48QFN

### ATSAM3N4CA-AU

Microchip Technology  
IC MCU 32BIT 256KB FLASH 100LQFP

### ATSAM3N1BA-MU

Atmel  
IC MCU 32BIT 64KB FLASH 64QFN

### ATSAM3S1AA-AU

Microchip Technology  
IC MCU 32BIT 64KB FLASH 48LQFP

### ATSAM3N4CA-AU

Atmel  
IC MCU 32BIT 256KB FLASH 100LQFP

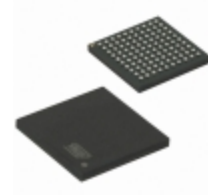
### ATSAM3N4AA-MU

Microchip Technology  
IC MCU 32BIT 256KB FLASH 48QFN



### ATSAM3N1BB-AU

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64LQFP



### ATSAM3N1CB-CU

Microchip Technology  
IC MCU 32BIT 64KB FLASH 100TFBGA



### ATSAM3N2BA-AU

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64LQFP



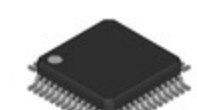
### ATSAM3N4AA-AU

Microchip Technology  
IC MCU 32BIT 256KB FLASH 48LQFP



### ATSAM3N2CA-AU

Microchip Technology  
IC MCU 32BIT 128KB FLASH 100LQFP



### ATSAM3N4AA-AU

Atmel  
IC MCU 32BIT 256KB FLASH 48LQFP

## 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

Contact us if you have any questions.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

## Certifications & Memberships



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## Contact us

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