

Image may be representation.
See specifications for product details.



ATSAM3N2CA-AU

Manufacturer Part Number	ATSAM3N2CA-AU
Manufacturer	Atmel
Allelco Part Number	32D-ATSAM3N2CA-AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 128KB FLASH 100LQFP
Package	100-LQFP
Data sheet	ATSAM3N2CA-AU.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM3N2CA-AU - Atmel.New Original in Stock. Download Linear Technology ATSAM3N2CA-AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAM3N2CA-AU, please send us email: info@allelco.com

Specifications

ATSAM3N2CA-AU Tech Specifications

ATSAM3N2CA-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	100-LQFP (14x14)	Number of I/O	79
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM3N	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 16x10b; 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	100-LQFP	Base Product Number	ATSAM3N
Package	Tube		

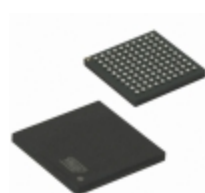
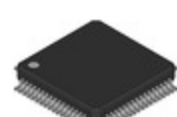
Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATSAM3N2CA-AU

Product Attribute				
Part Number	ATSAM3N2CA-AU	ATSAM3N4CA-AU	ATSAM3N2BA-AU	ATSAM3N1CB-CU
Manufacturer	Atmel	Microchip Technology	Atmel	Microchip Technology
RAM Size	16K x 8	24K x 8	16K x 8	8K x 8
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	48MHz	48MHz	48MHz	48MHz
Program Memory Size	128KB (128K x 8)	256KB (256K x 8)	128KB (128K x 8)	64KB (64K x 8)
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Base Product Number	ATSAM3N	ATSAM3N	ATSAM3N	ATSAM3N
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	-	-	-	-
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Number of I/O	79	79	47	79
Connectivity	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART
Package / Case	100-LQFP	100-LQFP	64-LQFP	100-TFBGA
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tube	Tray	Tray	Tray
Series	SAM3N	SAM3N	SAM3N	SAM3N
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	64-LQFP (10x10)	100-TFBGA (9x9)
Data Converters	A/D 16x10b; D/A 1x10b	A/D 16x10b; D/A 1x10b	A/D 10x10b; D/A 1x10b	A/D 16x10b; D/A 1x10b

Customers Also Interested in

Recommended Products



ATSAM3N4CA-AU

Microchip Technology
IC MCU 32BIT 256KB FLASH
100LQFP

ATSAM3N2BA-AU

Atmel
IC MCU 32BIT 128KB FLASH 64LQFP

ATSAM3N1CB-CU

Microchip Technology
IC MCU 32BIT 64KB FLASH
100TFBGA

ATSAM3N2CA-AU

Microchip Technology
IC MCU 32BIT 128KB FLASH
100LQFP

ATSAM3N1BB-AU

Microchip Technology
IC MCU 32BIT 64KB FLASH 64LQFP

ATSAM3N1CB-CU

Atmel
IC MCU 32BIT 64KB FLASH
100TFBGA



ATSAM3N4AA-MU

Atmel
IC MCU 32BIT 256KB FLASH 48QFN



ATSAM3S1BA-AU

Microchip Technology
IC MCU 32BIT 64KB FLASH 64LQFP



ATSAM3N4AA-MU

Microchip Technology
IC MCU 32BIT 256KB FLASH 48QFN



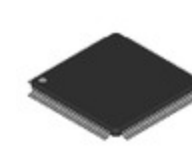
ATSAM3N4AA-AU

Atmel
IC MCU 32BIT 256KB FLASH 48LQFP



ATSAM3S1AA-AU

Microchip Technology
IC MCU 32BIT 64KB FLASH 48LQFP



ATSAM3N1CA-AU

Atmel
IC MCU 32BIT 64KB FLASH 100LQFP



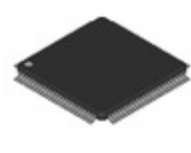
ATSAM3N1CA-AU

Microchip Technology
IC MCU 32BIT 64KB FLASH 100LQFP



ATSAM3N2BA-AU

Microchip Technology
IC MCU 32BIT 128KB FLASH 64LQFP



ATSAM3N4CA-AU

Atmel
IC MCU 32BIT 256KB FLASH 100LQFP



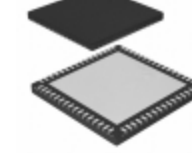
ATSAM3N4AA-AU

Microchip Technology
IC MCU 32BIT 256KB FLASH 48LQFP



ATSAM3S1BA-AU

Atmel
IC MCU 32BIT 64KB FLASH 64LQFP



ATSAM3N1BB-MU

Microchip Technology
IC MCU 32BIT 64KB 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:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

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