

Image may be representation.
See specifications for product details.



ATSAM3N1AB-AU

Manufacturer Part Number	ATSAM3N1AB-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM3N1AB-AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	SAM3N Series Summary.pdf SAM3N Series Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM3N1AB-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM3N1AB-AU datasheet/specifications on AllelcoElec.com.
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Specifications

ATSAM3N1AB-AU Tech Specifications

ATSAM3N1AB-AU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	34
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM3N	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I ² C, IrDA, SPI, UART/USART
Package / Case	48-LQFP	Base Product Number	ATSAM3N
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM3N1AB-AU

Product Attribute				
Part Number	ATSAM3N1AB-AU	ATSAM3N1BA-MU	ATSAM3N00AA-AUR	ATSAM3N1BB-MU
Manufacturer	Microchip Technology	Atmel	Microchip Technology	Microchip Technology
Supplier Device Package	48-LQFP (7x7)	64-QFN (9x9)	48-LQFP (7x7)	64-QFN (9x9)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	16KB (16K x 8)	64KB (64K x 8)
Package	Tray	Tray	Tape & Reel (TR)	Tray
Speed	48MHz	48MHz	48MHz	48MHz
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)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Series	SAM3N	SAM3N	SAM3N	SAM3N
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 8x10b	A/D 10x10b; D/A 1x10b	A/D 8x10b	A/D 10x10b; D/A 1x10b
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
RAM Size	8K x 8	8K x 8	4K x 8	8K x 8
Number of I/O	34	47	34	47
Package / Case	48-LQFP	64-VFQFN Exposed Pad	48-LQFP	64-VFQFN Exposed Pad
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Connectivity	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART

ATSAM3N1AB-AU Datasheet PDF

Download ATSAM3N1AB-AU pdf datasheets and Microchip Technology documentation for ATSAM3N1AB-AU - Microchip Technology.

Datasheets

[SAM3N Series Datasheet.pdf](#)

PCN Packaging

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

[Boxes 07/Dec/2016.pdf](#)

PCN Design/Specification



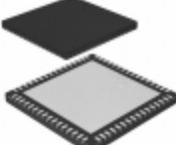

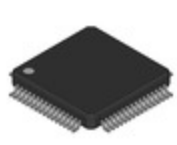

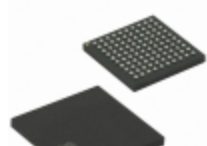


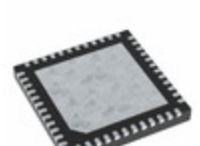
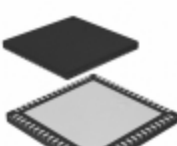

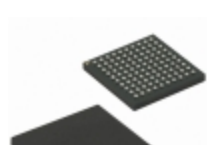

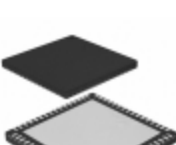


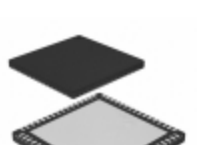
 Cylindrical Battery Holders.pdf

HTML Datasheet

 SAM3N Series Summary.pdf

Customers Also Interested in

Recommended Products

					
ATSAM3N1BA-MU Atmel IC MCU 32BIT 64KB FLASH 64QFN	ATSAM3N00AA-AUR Microchip Technology IC MCU 32BIT 16KB FLASH 48LQFP	ATSAM3N1BB-MU Microchip Technology IC MCU 32BIT 64KB FLASH 64QFN	ATSAM3N1BB-AU Microchip Technology IC MCU 32BIT 64KB FLASH 64LQFP	ATSAM3N1BA-AU Atmel IC MCU 32BIT 64KB FLASH 64LQFP	ATSAM3N00AA-AU Microchip Technology IC MCU 32BIT 16KB FLASH 48LQFP
					
ATSAM3N1CB-CU Microchip Technology IC MCU 32BIT 64KB FLASH 100TFBGA	ATSAM3N00BA-MU Atmel IC MCU 32BIT 16KB FLASH 64QFN	ATSAM3N1CA-AU Microchip Technology IC MCU 32BIT 64KB FLASH 100LQFP	ATSAM3N0AA-MU Microchip Technology IC MCU 32BIT 32KB FLASH 48QFN	ATSAM3N0BA-MU Microchip Technology IC MCU 32BIT 32KB FLASH 64QFN	ATSAM3N1BA-AU Microchip Technology IC MCU 32BIT 64KB FLASH 64LQFP
					
ATSAM3N0CA-CU Microchip Technology IC MCU 32BIT 32KB FLASH 100TFBGA	ATSAM3N1CA-AU Atmel IC MCU 32BIT 64KB FLASH 100LQFP	ATSAM3N1BA-MU Microchip Technology IC MCU 32BIT 64KB FLASH 64QFN	ATSAM3N00AA-MU Microchip Technology IC MCU 32BIT 16KB FLASH 48QFN	ATSAM3N0CA-AU Microchip Technology IC MCU 32BIT 32KB FLASH 100LQFP	ATSAM3N00BA-MU Microchip Technology IC MCU 32BIT 16KB 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

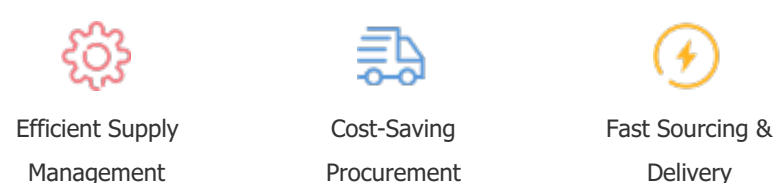
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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