

Image may be representation.
See specifications for product details.



ATSAM4N8BA-MU

Manufacturer Part Number	ATSAM4N8BA-MU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4N8BA-MU
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 512KB FLASH 64QFN
Package	64-VFQFN Exposed Pad
Data sheet	SAM4N Series Prod Brief.pdf SAM4N8,16 Series.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM4N8BA-MU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4N8BA-MU datasheet/specifications on AllelcoElec.com.
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Specifications

ATSAM4N8BA-MU Tech Specifications
ATSAM4N8BA-MU - 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	64-QFN (9x9)	Number of I/O	47
Speed	100MHz	Mounting Type	Surface Mount
Series	SAM4N	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 11x10b; D/A 1x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART
Package / Case	64-VFQFN Exposed Pad	Base Product Number	ATSAM4N
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4N8BA-MU

Product Attribute				
Part Number	ATSAM4N8BA-MU	ATSAM4S16CA-AU	ATSAM4N16BA-AU	ATSAM4N8BA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package	Tray	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Base Product Number	ATSAM4N	ATSAM4S	ATSAM4N	ATSAM4N
Package / Case	64-VFQFN Exposed Pad	100-LQFP	64-LQFP	64-LQFP
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Data Converters	A/D 11x10b; D/A 1x10b	A/D 16x12b; D/A 2x12b	A/D 11x10b; D/A 1x10b	A/D 11x10b; D/A 1x10b
Number of I/O	47	79	47	47
Supplier Device Package	64-QFN (9x9)	100-LQFP (14x14)	64-LQFP (10x10)	64-LQFP (10x10)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	SAM4N	SAM4S	SAM4N	SAM4N
Connectivity	I²C, IrDA, SPI, UART/USART	EBI/EMI, I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART
Program Memory Size	512KB (512K x 8)	1MB (1M x 8)	1MB (1M x 8)	512KB (512K 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
RAM Size	64K x 8	128K x 8	80K x 8	64K x 8
Speed	100MHz	120MHz	100MHz	100MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal

ATSAM4N8BA-MU Datasheet PDF

Download ATSAM4N8BA-MU pdf datasheets and Microchip Technology documentation for ATSAM4N8BA-MU - Microchip Technology.

Datasheets

[SAM4N Series Prod Brief.pdf](#)

[SAM4N8,16 Series.pdf](#)

PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

Boxes 07/Dec/2016.pdf

PCN Design/Specification








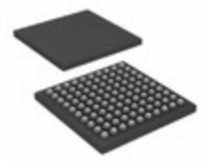
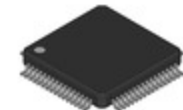

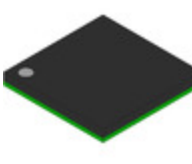
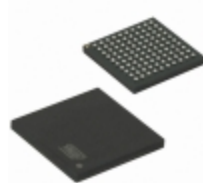

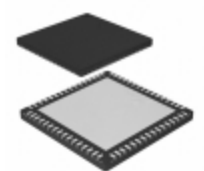

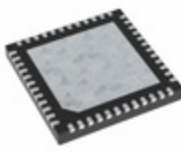
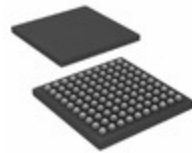

Marking Chgs 11/Jul/2017.pdf

PCN Other

MSL Update 26/Feb/2014.pdf

Customers Also Interested in

Recommended Products

					
ATSAM4S16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4N16BA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP	ATSAM4N8BA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	ATSAM4N16BA-AU Atmel IC MCU 32BIT 1MB FLASH 64LQFP	ATSAM4N8AA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 48LQFP	ATSAM4S16BA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 64LQFP
					
ATSAM4N8CA-AUR Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4LS8CA-CFU Microchip Technology IC MCU 32BIT 512KB FLSH 100VFBGA	ATSAM4S16BA-AU Atmel IC MCU 32BIT 1MB FLASH 64LQFP	ATSAM4N16CA-AU Atmel IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4S16CA-CFU Atmel IC MCU 32BIT 1MB FLASH 100VFBGA	ATSAM4S16CA-CU Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA
					
ATSAM4N16BA-MU Atmel IC MCU 32BIT 1MB FLASH 64QFN	ATSAM4N16BA-MU Microchip Technology IC MCU 32BIT 1MB FLASH 64QFN	ATSAM4N8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4N8AA-MU Microchip Technology IC MCU 32BIT 512KB FLASH 48QFN	ATSAM4S16CA-CFU Microchip Technology IC MCU 32BIT 1MB FLASH 100VFBGA	ATSAM4N16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP

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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