

Image may be representation.  
See specifications for product details.



## ATSAM3S4AA-MU

Manufacturer Part Number	<b>ATSAM3S4AA-MU</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATSAM3S4AA-MU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 256KB FLASH 48QFN
Package	48-VFQFN Exposed Pad
Data sheet	<b><a href="#">SAM3S Datasheet.pdf</a></b> <b><a href="#">SAM3S Series Flyer.pdf</a></b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATSAM3S4AA-MU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM3S4AA-MU datasheet/specifications on AllelcoElec.com.  
Request a quote for ATSAM3S4AA-MU, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATSAM3S4AA-MU Tech Specifications  
ATSAM3S4AA-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	48-QFN (7x7)	Number of I/O	34
Speed	64MHz	Mounting Type	Surface Mount
Series	SAM3S	EEPROM Size	-
RAM Size	48K x 8	Data Converters	A/D 8x10/12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, MMC, SPI, SSC, UART/USART, USB
Package / Case	48-VFQFN Exposed Pad	Base Product Number	ATSAM3S
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM3S4AA-MU

Product Attribute				
Part Number	ATSAM3S4AA-MU	<b>ATSAM3S8BA-MU</b>	<b>ATSAM3S2AA-MU</b>	<b>ATSAM3S2AA-AU</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Series	SAM3S	SAM3S	SAM3S	SAM3S
RAM Size	48K x 8	64K x 8	32K x 8	32K x 8
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Package / Case	48-VFQFN Exposed Pad	64-VFQFN Exposed Pad	48-VFQFN Exposed Pad	48-LQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	256KB (256K x 8)	512KB (512K x 8)	128KB (128K x 8)	128KB (128K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	34	47	34	34
Package	Tray	Tray	Tray	Tray
Data Converters	A/D 8x10/12b	A/D 10x10/12b; D/A 2x12b	A/D 8x10/12b	A/D 8x10/12b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	48-QFN (7x7)	64-QFN (9x9)	48-QFN (7x7)	48-LQFP (7x7)
Base Product Number	ATSAM3S	ATSAM3S	ATSAM3S	ATSAM3S
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Speed	64MHz	64MHz	64MHz	64MHz
Connectivity	I²C, MMC, SPI, SSC, UART/USART, USB	I²C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I²C, MMC, SPI, SSC, UART/USART, USB	I²C, MMC, SPI, SSC, UART/USART, USB
EEPROM Size	-	-	-	-

### ATSAM3S4AA-MU Datasheet PDF

Download ATSAM3S4AA-MU pdf datasheets and Microchip Technology documentation for ATSAM3S4AA-MU - Microchip Technology.

#### Datasheets

[SAM3S Datasheet.pdf](#)

[SAM3S Series Flyer.pdf](#)

#### PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

Boxes 07/Dec/2016.pdf

### PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

### PCN Other

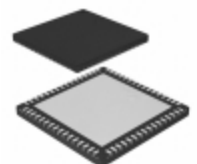
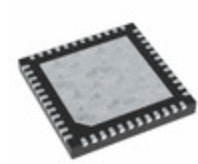

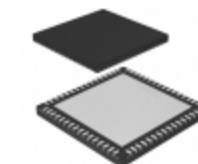








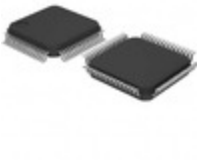



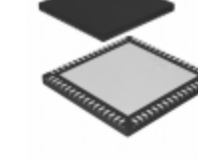
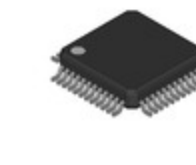
MSL Update 26/Feb/2014.pdf

### PCN Assembly/Origin

Assembly Site 30/Sep/2019.pdf

## Customers Also Interested in

### Recommended Products

					
<b>ATSAM3S8BA-MU</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64QFN	<b>ATSAM3S2AA-MU</b> Microchip Technology IC MCU 32BIT 128KB FLASH 48QFN	<b>ATSAM3S2AA-AU</b> Microchip Technology IC MCU 32BIT 128KB FLASH 48LQFP	<b>ATSAM3S4BA-MU</b> Microchip Technology IC MCU 32BIT 256KB FLASH 64QFN	<b>ATSAM3S4CA-AU</b> Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	<b>ATSAM3S4B-MU</b> Atmel (Microchip Technology)
					
<b>ATSAM3S2CA-AUR</b> Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	<b>ATSAM3S8BA-AU</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	<b>ATSAM3S4AA-AU</b> Microchip Technology IC MCU 32BIT 256KB FLASH 48LQFP	<b>ATSAM3S4B-AU</b> Atmel (Microchip Technology)	<b>ATSAM3S4BA-AU</b> Atmel IC MCU 32BIT 256KB FLASH 64LQFP	<b>ATSAM3S4BA-AU</b> Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP
					
<b>ATSAM3S2BA-AU</b> Microchip Technology IC MCU 32BIT 128KB FLASH 64LQFP	<b>ATSAM3S2BA-MU</b> Atmel IC MCU 32BIT 128KB FLASH 64QFN	<b>ATSAM3S2CA-AU</b> Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	<b>ATSAM3S4CA-AUR</b> Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	<b>ATSAM3S2BA-MU</b> Microchip Technology IC MCU 32BIT 128KB FLASH 64QFN	<b>ATSAM3S4AA-AU</b> 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 Alleco 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 -

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Contact us if you have any questions.

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### Certifications & Memberships



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