

Image may be representation.  
See specifications for product details.



## ATSAM4S8CA-CFUR

Manufacturer Part Number	<b>ATSAM4S8CA-CFUR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATSAM4S8CA-CFUR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 512KB FLSH 100VFBGA
Package	100-VFBGA
Data sheet	<a href="#">SAM4S Series Datasheet.pdf</a> <a href="#">SAM4S Flyer.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ATSAM4S8CA-CFUR - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4S8CA-CFUR datasheet/specifications on AllelcoElec.com. Request a quote for ATSAM4S8CA-CFUR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATSAM4S8CA-CFUR Tech Specifications  
ATSAM4S8CA-CFUR - 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	100-VFBGA (7x7)	Number of I/O	79
Speed	120MHz	Mounting Type	Surface Mount
Series	SAM4S	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 16x12b; D/A 2x12b
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	EBI/EMI, I <sup>2</sup> C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Package / Case	100-VFBGA	Base Product Number	ATSAM4S
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4S8CA-CFUR

Product Attribute				
Part Number	ATSAM4S8CA-CFUR	ATSAM4S8BA-AUR	ATSAM4SA16BA-AU	ATSAM4S8CA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Speed	120MHz	120MHz	120MHz	120MHz
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Supplier Device Package	100-VFBGA (7x7)	64-LQFP (10x10)	64-LQFP (10x10)	100-LQFP (14x14)
Package / Case	100-VFBGA	64-LQFP	64-LQFP	100-LQFP
Base Product Number	ATSAM4S	ATSAM4S	ATSAM4SA	ATSAM4S
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	EBI/EMI, I <sup>2</sup> C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I <sup>2</sup> C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I <sup>2</sup> C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I <sup>2</sup> C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Program Memory Size	512KB (512K x 8)	512KB (512K x 8)	1MB (1M x 8)	512KB (512K x 8)
RAM Size	128K x 8	128K x 8	160K x 8	128K 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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	SAM4S	SAM4S	SAM4S	SAM4S
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Data Converters	A/D 16x12b; D/A 2x12b	A/D 11x12b; D/A 2x12b	A/D 11x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Number of I/O	79	47	47	79

### ATSAM4S8CA-CFUR Datasheet PDF

Download ATSAM4S8CA-CFUR pdf datasheets and Microchip Technology documentation for ATSAM4S8CA-CFUR - Microchip Technology.

#### Datasheets

[SAM4S Series Datasheet.pdf](#)

[SAM4S Flyer.pdf](#)

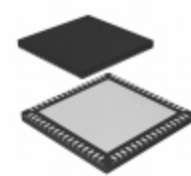
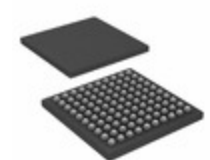
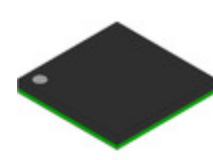
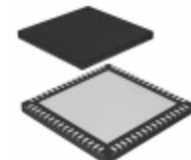
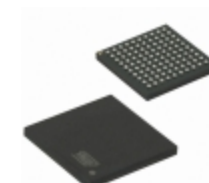
#### PCN Packaging

## PCN Design/Specification

Cylindrical Battery Holders.pdf

## Customers Also Interested in

## Recommended Products

**ATSAM4S8BA-AUR**Microchip Technology  
IC MCU 32BIT 512KB FLASH 64LQFP**ATSAM4SA16BA-AU**Microchip Technology  
IC MCU 32BIT 1MB FLASH 64LQFP**ATSAM4S8CA-AU**Microchip Technology  
IC MCU 32BIT 512KB FLASH  
100LQFP**ATSAM4SA16BA-MUR**Microchip Technology  
IC MCU 32BIT 1MB FLASH 64QFN**ATSAM4SD16BA-AUR**Microchip Technology  
IC MCU 32BIT 1MB FLASH 64LQFP**ATSAM4SA16BB-AN**Microchip Technology  
IC MCU 32BIT 1MB FLASH 64LQFP**ATSAM4S8CB-ANR**Microchip Technology  
IC MCU 32BIT 512KB FLASH  
100LQFP**ATSAM4S8CA-CFU**Microchip Technology  
IC MCU 32BIT 512KB FL5H  
100VFBGA**ATSAM4S8CA-CFU**Atmel  
IC MCU 32BIT 512KB FL5H  
100VFBGA**ATSAM4S8BA-MUR**Microchip Technology  
IC MCU 32BIT 512KB FLASH 64QFN**ATSAM4S8BA-UUR**Microchip Technology  
IC MCU 32BIT 512KB FLASH  
64WLQFP**ATSAM4S8CA-AUR**Microchip Technology  
IC MCU 32BIT 512KB FLASH  
100LQFP**ATSAM4SA16CA-AU**Microchip Technology  
IC MCU 32BIT 1MB FLASH 100LQFP**ATSAM4S8CA-AN**Microchip Technology  
IC MCU 32BIT 512KB FLASH  
100LQFP**ATSAM4SA16BA-AUR**Microchip Technology  
IC MCU 32BIT 1MB FLASH 64LQFP**ATSAM4SA16CA-CU**Atmel  
IC MCU 32BIT 1MB FLASH 100TFBGA**ATSAM4S8BB-AN**Microchip Technology  
IC MCU 32BIT 512KB FLASH 64LQFP**ATSAM4SA16CA-CU**Microchip Technology  
IC MCU 32BIT 1MB FLASH 100TFBGA

## 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 &amp; 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  
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Email  
info@allelco.com

## Certifications &amp; Memberships



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