

Image may be representation.  
See specifications for product details.



## ATSAM4LC2CA-AU

Manufacturer Part Number	<b>ATSAM4LC2CA-AU</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATSAM4LC2CA-AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 100TQFP
Package	100-TQFP
Data sheet	<a href="#">SAM4L Flyer.pdf</a> <a href="#">SAM4L Series Summary.pdf</a> <a href="#">SAM4L8,L4,L2 Series Complete.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

ATSAM4LC2CA-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4LC2CA-AU datasheet/specifications on AllelcoElec.com. Request a quote for ATSAM4LC2CA-AU, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

ATSAM4LC2CA-AU Tech Specifications

ATSAM4LC2CA-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)	1.68V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-TQFP (14x14)	Number of I/O	75
Speed	48MHz	Mounting Type	Surface Mount
Series	SAM4L	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 15x12b; D/A 1x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Connectivity	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	100-TQFP	Base Product Number	ATSAM4LC
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4LC2CA-AU

Product Attribute				
Part Number	ATSAM4LC2CA-AU	<b>ATSAM4E8EB-CN</b>	<b>ATSAM4LC2AA-AU</b>	<b>ATSAM4LC2CA-CFU</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Atmel
Connectivity	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	CANbus, EBI/EMI, Ethernet, IrDA, SD, SPI, UART/USART, USB	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART, USB
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
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	ATSAM4LC	ATSAM4E	ATSAM4LC	ATSAM4LC
Voltage - Supply (Vcc/Vdd)	1.68V ~ 3.6V	1.62V ~ 3.6V	1.68V ~ 3.6V	1.68V ~ 3.6V
Program Memory Size	128KB (128K x 8)	512KB (512K x 8)	128KB (128K x 8)	128KB (128K x 8)
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Series	SAM4L	SAM4E	SAM4L	SAM4L
Data Converters	A/D 15x12b; D/A 1x10b	A/D 16x12b; D/A 2x12b	A/D 3x12b; D/A 1x10b	A/D 15x12b; D/A 1x10b
EEPROM Size	-	-	-	-
Speed	48MHz	120MHz	48MHz	48MHz
Number of I/O	75	117	27	75
Peripherals	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, POR, PWM, WDT
RAM Size	32K x 8	128K x 8	32K x 8	32K x 8
Supplier Device Package	100-TQFP (14x14)	144-LFBGA (10x10)	48-TQFP (7x7)	100-VFBGA (7x7)
Package	Tray	Tray	Tray	Bulk
Package / Case	100-TQFP	144-LFBGA	48-TQFP	100-VFBGA
Program Memory Type	FLASH	FLASH	FLASH	FLASH

## ATSAM4LC2CA-AU Datasheet PDF

Download ATSAM4LC2CA-AU pdf datasheets and Microchip Technology documentation for ATSAM4LC2CA-AU - Microchip Technology.

### Datasheets



SAM4L Series Summary.pdf



SAM4L8,L4,L2 Series Complete.pdf

## PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



Carrier Tape 07/Feb/2017.pdf

## PCN Packaging



New Packing Material 02/Aug/2019.pdf



Carrier Tape Update 7/Feb/2017.pdf

## HTML Datasheet



SAM4L Flyer.pdf

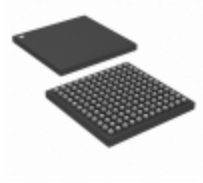
## PCN Assembly/Origin



2.73KHz.pdf

## Customers Also Interested in

### Recommended Products



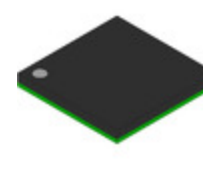
#### ATSAM4E8EB-CN

Microchip Technology  
IC MCU 32BIT 512KB FLSH  
144LFBGA



#### ATSAM4LC2AA-AU

Microchip Technology  
IC MCU 32BIT 128KB FLASH 48TQFP



#### ATSAM4LC2CA-CFU

Atmel  
IC MCU 32BIT 128KB FLSH  
100VFBGA



#### ATSAM4LC4BA-AU

Microchip Technology  
IC MCU 32BIT 256KB FLASH 64TQFP



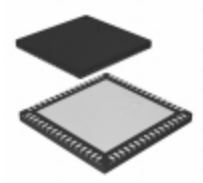
#### ATSAM4LC2BA-AU

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64TQFP



#### ATSAM4LC4AA-AU

Microchip Technology  
IC MCU 32BIT 256KB FLASH 48TQFP



#### ATSAM4LC8BA-MU

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64QFN



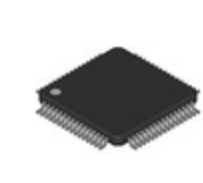
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Microchip Technology  
IC MCU 32BIT 256KB FLASH  
100TQFP



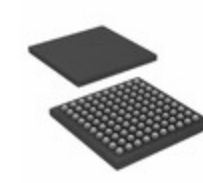
#### ATSAM4LC2AA-AU

Atmel  
IC MCU 32BIT 128KB FLASH 48TQFP



#### ATSAM4LC2BA-AU

Atmel  
IC MCU 32BIT 128KB FLASH 64TQFP



#### ATSAM4LC4CA-CFU

Microchip Technology  
IC MCU 32BIT 256KB FLSH  
100VFBGA



#### ATSAM4E8EA-AU

Microchip Technology  
IC MCU 32BIT 512KB FLASH  
144LQFP



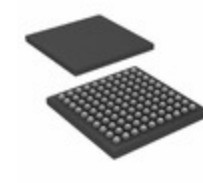
#### ATSAM4LC2CA

Atmel (Microchip Technology)



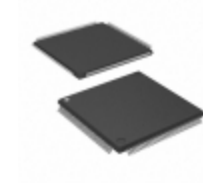
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Atmel  
IC MCU 32BIT 256KB FLASH 48TQFP



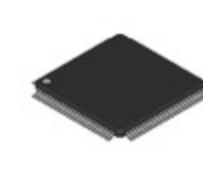
#### ATSAM4LC2CA-CFU

Microchip Technology  
IC MCU 32BIT 128KB FLSH  
100VFBGA



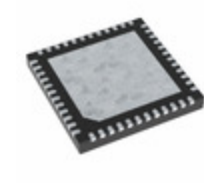
#### ATSAM4E8EA-AUR

Microchip Technology  
IC MCU 32BIT 512KB FLASH  
144LQFP



#### ATSAM4LC4CA-AU

Atmel  
IC MCU 32BIT 256KB FLASH  
100TQFP



#### ATSAM4LC2AA-MU

Microchip Technology  
IC MCU 32BIT 128KB FLASH 48QFN

## 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 -



Efficient Supply  
Management



Cost-Saving  
Procurement



Fast Sourcing &  
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

## Certifications & Memberships



View More

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