



ATSAM4CMS16CC-AU

Manufacturer Part Number	ATSAM4CMS16CC-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4CMS16CC-AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 1MB FLASH 100LQFP
Package	100-LQFP
Data sheet	SAM4CM Series Datasheet.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

ATSAM4CMS16CC-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4CMS16CC-AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAM4CMS16CC-AU, please send us email: info@allelco.com

Specifications

ATSAM4CMS16CC-AU Tech Specifications
ATSAM4CMS16CC-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	100-LQFP (14x14)	Number of I/O	57
Speed	120MHz	Mounting Type	Surface Mount
Series	SAM4CM	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 6x10b
Program Memory Type	FLASH	Core Size	32-Bit Dual-Core
Program Memory Size	1MB (1M x 8)	Core Processor	ARM® Cortex®-M4/M4F
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Connectivity	EBI/EMI, I ² C, IrDA, SPI, UART/USART
Package / Case	100-LQFP	Base Product Number	ATSAM4CM
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4CMS16CC-AU

Product Attribute	NO PICTURE			
Part Number	ATSAM4CMS16CC-AU	ATSAM4CMS4CB-AU	ATSAM4CP16B-AHU-Y	ATSAM4CMS8CA-AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Speed	120MHz	120MHz	120MHz	120MHz
Program Memory Size	1MB (1M x 8)	256KB (256K x 8)	1MB (1M x 8)	512KB (512K x 8)
Number of I/O	57	57	69	57
Series	SAM4CM	SAM4CM	SAM4CP	SAM4CM
Connectivity	EBI/EMI, I ² C, IrDA, SPI, UART/USART	EBI/EMI, I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	EBI/EMI, I ² C, IrDA, SPI, UART/USART
Package / Case	100-LQFP	100-LQFP	176-LQFP	100-LQFP
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M4/M4F	ARM® Cortex®-M4/M4F	ARM® Cortex®-M4/M4F	ARM® Cortex®-M4/M4F
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 6x10b	A/D 6x10b	A/D 8x10b	A/D 6x10b
Core Size	32-Bit Dual-Core	32-Bit Dual-Core	32-Bit Dual-Core	32-Bit Dual-Core
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	1.08V ~ 3.6V	1.62V ~ 3.6V
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	176-LQFP (24x24)	100-LQFP (14x14)
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
RAM Size	128K x 8	128K x 8	152K x 8	128K x 8
Base Product Number	ATSAM4CM	ATSAM4CM	ATSAM4CP	ATSAM4CM

ATSAM4CMS16CC-AU Datasheet PDF

Download ATSAM4CMS16CC-AU pdf datasheets and Microchip Technology documentation for ATSAM4CMS16CC-AU - Microchip Technology.

Datasheets


SAM4CM Series Datasheet.pdf

PCN Packaging

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

Boxes 07/Dec/2016.pdf

PCN Assembly/Origin

 Mult Devices Test Site 10/Apr/2018.pdf
















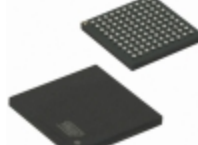


PCN Design/Specification

 SAM4C 05/Oct/2021.pdf

 SAM4CM 16/Feb/2022.pdf

Customers Also Interested in

Recommended Products

					
ATSAM4CMS4CB-AU Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	ATSAM4CP16B-AHU-Y Microchip Technology IC MCU 32BIT 1MB FLASH 176LQFP	ATSAM4CMS8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4CMP8CC-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4CMS8CC-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4CMP8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP
					
ATSAM4CP16B-AHU-Y Atmel IC MCU 32BIT 1MB FLASH 176LQFP	ATSAM4CMP8C-AU Atmel (Microchip Technology)	ATSAM4CMS16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4C32CA-AU Microchip Technology IC MCU 32BIT 2MB FLASH 100LQFP	ATSAM4C32EA-AUR Microchip Technology IC MCU 32BIT 2MB FLASH 144LQFP	ATSAM4E16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP
					
ATSAM4E16CA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4C32AC-AU Atmel (Microchip Technology)	ATSAM4E16EA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP	ATSAM4E16CA-CU Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA	ATSAM4C32EA-AUR Microchip Technology IC MCU 32BIT 2MB FLASH 144LQFP	ATSAM4CMS8CB-AUR Microchip Technology IC MCU 32BIT 512KB 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

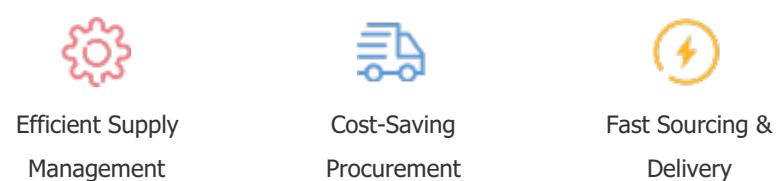
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

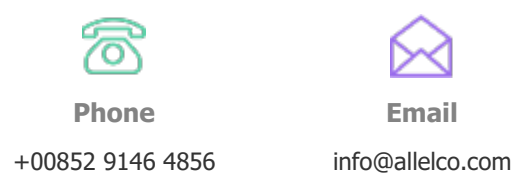
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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