



ATSAM4CMS8CC-AU

Manufacturer Part Number	ATSAM4CMS8CC-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4CMS8CC-AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 512KB FLASH 100LQFP
Package	100-LQFP
Data sheet	SAM4CM Series Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM4CMS8CC-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4CMS8CC-AU datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAM4CMS8CC-AU, please send us email: info@allelco.com

Specifications

ATSAM4CMS8CC-AU Tech Specifications
ATSAM4CMS8CC-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	512KB (512K 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 ATSAM4CMS8CC-AU

Product Attribute	NO PICTURE			
Part Number	ATSAM4CMS8CC-AU	ATSAM4E16EA-CU	ATSAM4E16CA-AU	ATSAM4E16CA-AUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	Brown-out Detect/Reset, DMA, LCD, 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
Core Processor	ARM® Cortex®-M4/M4F	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
RAM Size	128K x 8	128K x 8	128K x 8	128K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	120MHz	120MHz	120MHz	120MHz
Package	Tray	Tray	Tray	Tape & Reel (TR)
Core Size	32-Bit Dual-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	100-LQFP	144-LFBGA	100-LQFP	100-LQFP
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
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	100-LQFP (14x14)	144-LFBGA (10x10)	100-LQFP (14x14)	100-LQFP (14x14)
Series	SAM4CM	SAM4E	SAM4E	SAM4E
Number of I/O	57	117	79	79
EEPROM Size	-	-	-	-
Base Product Number	ATSAM4CM	ATSAM4E	ATSAM4E	ATSAM4E
Data Converters	A/D 6x10b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Program Memory Size	512KB (512K x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	EBI/EMI, I ² C, IrDA, SPI, UART/USART	CANbus, EBI/EMI, Ethernet, IrDA, SD, SPI, UART/USART, USB	CANbus, Ethernet, IrDA, MMC/SD, SPI, UART/USART, USB	CANbus, Ethernet, IrDA, MMC/SD, SPI, UART/USART, USB

ATSAM4CMS8CC-AU Datasheet PDF

Download ATSAM4CMS8CC-AU pdf datasheets and Microchip Technology documentation for ATSAM4CMS8CC-AU - Microchip Technology.

Datasheets

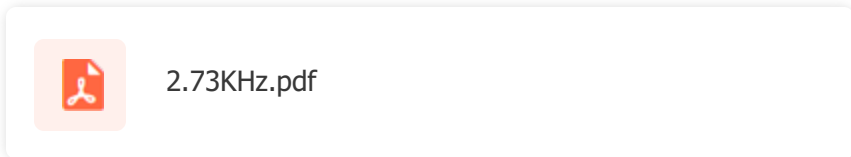
SAM4CM Series Datasheet.pdf

PCN Packaging

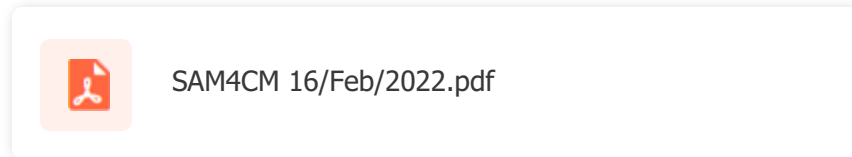
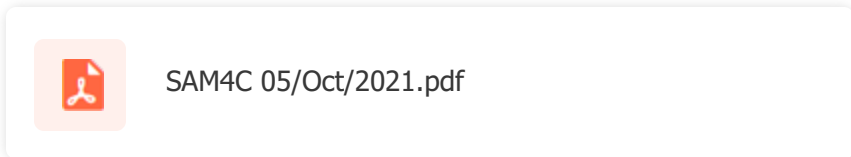
MBB/Label Chgs 16/Nov/2018.pdf

Boxes 07/Dec/2016.pdf

PCN Assembly/Origin



PCN Design/Specification



Customers Also Interested in

Recommended Products

ATSAM4E16EA-CU Microchip Technology IC MCU 32BIT 1MB FLASH 144LFBGA	ATSAM4E16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4E16CA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4CMS16CC-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4CP16B-AHU-Y Atmel IC MCU 32BIT 1MB FLASH 176LQFP	ATSAM4E16EA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP
ATSAM4CMS16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4CMP8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4CP16B-AHU-Y Microchip Technology IC MCU 32BIT 1MB FLASH 176LQFP	ATSAM4CMP16CA-AU-ES Atmel (Microchip Technology)	ATSAM4CMS8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	ATSAM4CMP8CC-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP
ATSAM4E16EA-CUR Microchip Technology IC MCU 32BIT 1MB FLASH 144LFBGA	ATSAM4E16CA-CU Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA	ATSAM4CMS4CB-AU Microchip Technology IC MCU 32BIT 256KB FLASH 100LQFP	ATSAM4E16EA-AUR Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP	ATSAM4CMP8C-AU Atmel (Microchip Technology)	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 -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
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