



ATSAM4S2CA-AU

Manufacturer Part Number	ATSAM4S2CA-AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4S2CA-AU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 100LQFP
Package	100-LQFP
Data sheet	SAM4S Series Datasheet.pdf SAM4S Flyer.pdf
RoHS Status	ROHS3 Compliant



Get a Quote

ATSAM4S2CA-AU - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4S2CA-AU datasheet/specifications on AllelcoElec.com.
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Specifications

ATSAM4S2CA-AU Tech Specifications

ATSAM4S2CA-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	79
Speed	120MHz	Mounting Type	Surface Mount
Series	SAM4S	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 16x12b; D/A 2x12b
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, POR, PWM, WDT	Connectivity	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	ATSAM4S
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4S2CA-AU

Product Attribute				
Part Number	ATSAM4S2CA-AU	ATSAM4S4BA-MU	ATSAM4S16CB-CN	ATSAM4S2BA-MU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	64K x 8	64K x 8	128K x 8	64K x 8
Series	SAM4S	SAM4S	SAM4S	SAM4S
Package / Case	100-LQFP	64-VFQFN Exposed Pad	100-TFBGA	64-VFQFN Exposed Pad
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
Connectivity	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	79	47	79	47
Speed	120MHz	120MHz	120MHz	120MHz
Program Memory Size	128KB (128K x 8)	256KB (256K x 8)	1MB (1M x 8)	128KB (128K x 8)
Base Product Number	ATSAM4S	ATSAM4S	ATSAM4S	ATSAM4S
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	100-LQFP (14x14)	64-QFN (9x9)	100-TFBGA (9x9)	64-QFN (9x9)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray
EEPROM Size	-	-	-	-
Data Converters	A/D 16x12b; D/A 2x12b	A/D 11x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)

ATSAM4S2CA-AU Datasheet PDF

Download ATSAM4S2CA-AU pdf datasheets and Microchip Technology documentation for ATSAM4S2CA-AU - Microchip Technology.

Datasheets



SAM4S Series Datasheet.pdf



SAM4S Flyer.pdf

PCN Packaging

PCN Design/Specification

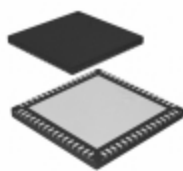
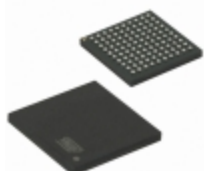
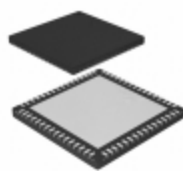

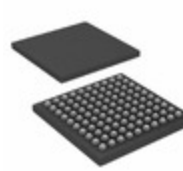



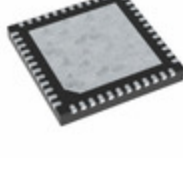








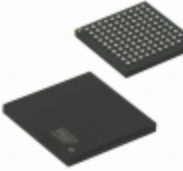
Cylindrical Battery Holders.pdf

PCN Assembly/Origin

2.73KHz.pdf

Customers Also Interested in

Recommended Products

					
ATSAM4S4BA-MU Microchip Technology IC MCU 32BIT 256KB FLASH 64QFN	ATSAM4S16CB-CN Microchip Technology IC MCU 32BIT 1MB FLASH 100TFBGA	ATSAM4S2BA-MU Microchip Technology IC MCU 32BIT 128KB FLASH 64QFN	ATSAM4S16CA-AU Microchip Technology IC MCU 32BIT 1MB FLASH 100LQFP	ATSAM4S16CA-CFU Microchip Technology IC MCU 32BIT 1MB FLASH 100VFBGA	ATSAM4S4AB-ANR Microchip Technology IC MCU 32BIT 256KB FLASH 48LQFP
					
ATSAM4S4BB-ANR Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP	ATSAM4S16CA-CFU Atmel IC MCU 32BIT 1MB FLASH 100VFBGA	ATSAM4S2AB-MN Microchip Technology IC MCU 32BIT 128KB FLASH 48VQFN	ATSAM4S2BA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 64LQFP	ATSAM4S2AA-AU Microchip Technology IC MCU 32BIT 128KB FLASH 48LQFP	ATSAM4S16C-AU Atmel (Microchip Technology)
					
ATSAM4S2CB-AN Microchip Technology IC MCU 32BIT 128KB FLASH 100LQFP	ATSAM4S4BA-UUR Microchip Technology IC MCU 32BIT 256KB FLASH 64WLCSP	ATSAM4S4BA-AU Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP	ATSAM4S4BB-AN Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP	ATSAM4S4AB-AN Microchip Technology IC MCU 32BIT 256KB FLASH 48LQFP	ATSAM4S16CA-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 & 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.



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Contact us if you have any questions.

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