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See specifications for product details.



ATSAM4S8BA-MUR

Manufacturer Part Number	ATSAM4S8BA-MUR
Manufacturer	Microchip Technology
Allelco Part Number	32D-ATSAM4S8BA-MUR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 512KB FLASH 64QFN
Package	64-VFQFN Exposed Pad
Data sheet	SAM4S Series Datasheet.pdf SAM4S Flyer.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ATSAM4S8BA-MUR - Microchip Technology. New Original in Stock. Download Linear Technology ATSAM4S8BA-MUR datasheet/specifications on AllelcoElec.com.
Request a quote for ATSAM4S8BA-MUR, please send us email: info@allelco.com

Specifications

ATSAM4S8BA-MUR Tech Specifications
ATSAM4S8BA-MUR - 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	64-QFN (9x9)	Number of I/O	47
Speed	120MHz	Mounting Type	Surface Mount
Series	SAM4S	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 11x12b; 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	I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB
Package / Case	64-VFQFN Exposed Pad	Base Product Number	ATSAM4S
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAM4S8BA-MUR

Product Attribute				
Part Number	ATSAM4S8BA-MUR	ATSAM4S4CB-AN	ATSAM4S4CB-CN	ATSAM4S4BA-MU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	SAM4S	SAM4S	SAM4S	SAM4S
Number of I/O	47	79	79	47
Program Memory Size	512KB (512K x 8)	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)
Base Product Number	ATSAM4S	ATSAM4S	ATSAM4S	ATSAM4S
Speed	120MHz	120MHz	120MHz	120MHz
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Supplier Device Package	64-QFN (9x9)	100-LQFP (14x14)	100-TFBGA (9x9)	64-QFN (9x9)
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
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V	1.62V ~ 3.6V
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tape & Reel (TR)	Tray	Tray	Tray
Data Converters	A/D 11x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 11x12b; D/A 2x12b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Connectivity	I ² C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, 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
Package / Case	64-VFQFN Exposed Pad	100-LQFP	100-TFBGA	64-VFQFN Exposed Pad
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	128K x 8	64K x 8	64K x 8	64K x 8

ATSAM4S8BA-MUR Datasheet PDF

Download ATSAM4S8BA-MUR pdf datasheets and Microchip Technology documentation for ATSAM4S8BA-MUR - Microchip Technology.

Datasheets

[SAM4S Series Datasheet.pdf](#)

[SAM4S Flyer.pdf](#)

PCN Packaging

PCN Design/Specification


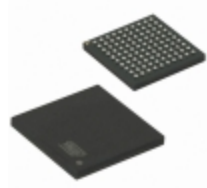
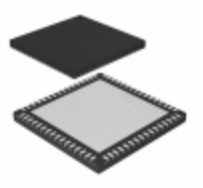
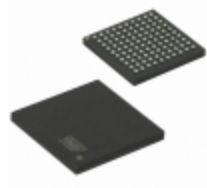

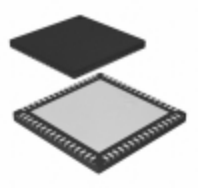
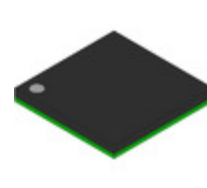
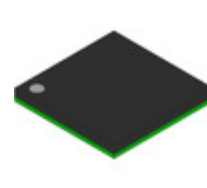

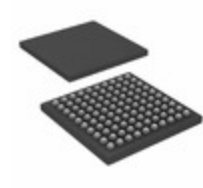


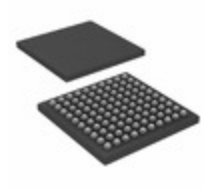
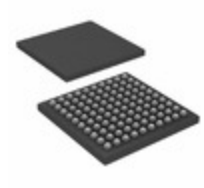
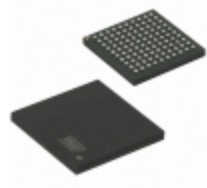
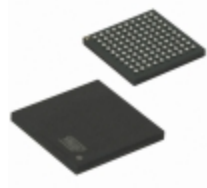




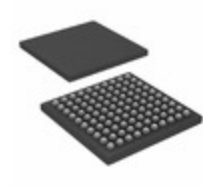
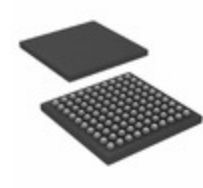














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PCN Other

MSL Update 26/Feb/2014.pdf

Customers Also Interested in

Recommended Products

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  ATSAM4S8CA-CFUR Microchip Technology IC MCU 32BIT 512KB FL5H 100VFBGA	  ATSAM4S4CB-CNR Microchip Technology IC MCU 32BIT 256KB FL5H 100TFBGA	  ATSAM4S8BA-UUR Microchip Technology IC MCU 32BIT 512KB FLASH 64WL5P	  ATSAM4S4BA-UUR Microchip Technology IC MCU 32BIT 256KB FLASH 64WL5P	  ATSAM4S8CA-CFU Microchip Technology IC MCU 32BIT 512KB FL5H 100VFBGA	  ATSAM4S8CA-AN Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP
  ATSAM4S8BB-AN Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	  ATSAM4S4BB-AN Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP	  ATSAM4S8BA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	  ATSAM4S8BA-AUR Microchip Technology IC MCU 32BIT 512KB FLASH 64LQFP	  ATSAM4S8CA-AU Microchip Technology IC MCU 32BIT 512KB FLASH 100LQFP	  ATSAM4S4BB-ANR Microchip Technology IC MCU 32BIT 256KB FLASH 64LQFP

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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-  Efficient Supply Management
-  Cost-Saving Procurement
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