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See specifications for product details.



AT91SAM9R64-CU

Manufacturer Part Number	AT91SAM9R64-CU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT91SAM9R64-CU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16/32BIT 32KB ROM 144BGA
Package	144-LFBGA
Data sheet	AT91SAM9R64/RL64 Summary.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT91SAM9R64-CU - Microchip Technology. New Original in Stock. Download Linear Technology AT91SAM9R64-CU datasheet/specifications on AllelcoElec.com. Request a quote for AT91SAM9R64-CU, please send us email: info@allelco.com

Specifications

AT91SAM9R64-CU Tech Specifications
AT91SAM9R64-CU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	144-BGA (13x13)	Number of I/O	49
Speed	240MHz	Mounting Type	Surface Mount
Series	SAM9R	EEPROM Size	-
RAM Size	72K x 8	Data Converters	A/D 3x10b
Program Memory Type	ROM	Core Size	16/32-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	ARM926EJ-S
Peripherals	AC97, POR, PWM, WDT	Connectivity	EBI/EMI, I ² C, Memory Card, SPI, SSC, UART/USART, USB
Package / Case	144-LFBGA	Base Product Number	AT91SAM9R64
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT91SAM9R64-CU

Product Attribute				
Part Number	AT91SAM9R64-CU	AT91SAM9RL64-CU	AT91SAM9XE512-CU	AT91SAM9XE256-QU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	72K x 8	72K x 8	-	-
Package	Tray	Tray	Tray	Tray
Supplier Device Package	144-BGA (13x13)	217-LFBGA (15x15)	217-LFBGA (15x15)	208-PQFP (28x28)
EEPROM Size	-	-	-	-
Peripherals	AC97, POR, PWM, WDT	AC97, LCD, POR, PWM, WDT	-	-
Oscillator Type	Internal	Internal	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	49	118	-	-
Package / Case	144-LFBGA	217-LFBGA	217-LFBGA	208-BQFP
Core Processor	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S
Series	SAM9R	SAM9R	SAM9XE	SAM9XE
Core Size	16/32-Bit	16/32-Bit	-	-
Voltage - Supply (Vcc/Vdd)	1.65V ~ 3.6V	1.65V ~ 3.6V	-	-
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	-	-
Base Product Number	AT91SAM9R64	AT91SAM9R64	AT91SAM9XE512	AT91SAM9XE256
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	240MHz	240MHz	180MHz	180MHz
Data Converters	A/D 3x10b	A/D 6x10b	-	-
Connectivity	EBI/EMI, I ² C, Memory Card, SPI, SSC, UART/USART, USB	EBI/EMI, I ² C, Memory Card, SPI, SSC, UART/USART, USB	-	-
Program Memory Type	ROM	ROM	-	-

AT91SAM9R64-CU Datasheet PDF

Download AT91SAM9R64-CU pdf datasheets and Microchip Technology documentation for AT91SAM9R64-CU - Microchip Technology.

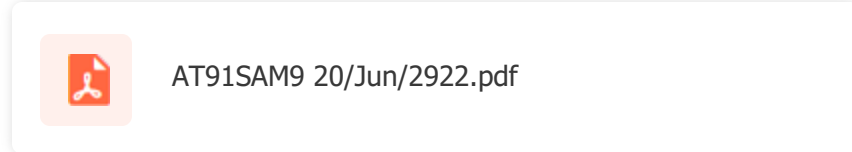
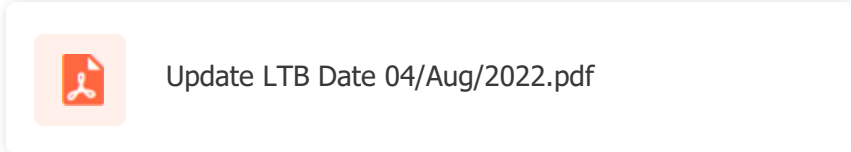
Datasheets

[AT91SAM9R64/RL64 Summary.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)



Customers Also Interested in

Recommended Products

AT91SAM9XE512-CU Microchip Technology IC MCU 32BIT 512KB FLASH 217BGA	AT91SAM9XE256-QU Microchip Technology IC MCU 32BIT 256KB FLASH 208QFP	AT91SAM9M10C-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9RL64-CU Microchip Technology IC MCU 16/32BIT 32KB ROM 217BGA	AT91SAM9M10-CU Atmel RISC MCU, 32-BIT, FLASH, 400MHZ	AT91SAM9XE256-QU Atmel 16-BIT, FLASH, MSP430 CPU
AT91SAM9M11B-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9G45C-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9XE128-QU Atmel 16-BIT, FLASH, MSP430 CPU	AT91SAM9N12-CUR Microchip Technology IC MCU 32BIT 128KB ROM 217BGA	AT91SAM9M10-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9XE256-CU Microchip Technology IC MCU 32BIT 256KB FLASH 217BGA
AT91SAM9X35-CU Microchip Technology IC MCU 32BIT 64KB ROM 217BGA	AT91SAM9X25-CU Microchip Technology IC MCU 32BIT 64KB ROM 217BGA	AT91SAM9N12A-CU Atmel (Microchip Technology)	AT91SAM9G45B-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9G46B-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9XE128-QU Microchip Technology IC MCU 32BIT 128KB FLASH 208QFP

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	Fast Sourcing & Delivery
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Contact us if you have any questions.

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