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See specifications for product details.



AT91SAM9G45C-CU

Manufacturer Part Number	AT91SAM9G45C-CU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT91SAM9G45C-CU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB ROM 324TFBGA
Package	324-TFBGA
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT91SAM9G45C-CU - Microchip Technology. New Original in Stock. Download Linear Technology AT91SAM9G45C-CU datasheet/specifications on AllelcoElec.com. Request a quote for AT91SAM9G45C-CU, please send us email: info@allelco.com

Specifications

AT91SAM9G45C-CU Tech Specifications
AT91SAM9G45C-CU - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - I/O	1.8V, 3.3V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 (3)	Mounting Type	Surface Mount
Supplier Device Package	324-TFBGA (15x15)	Graphics Acceleration	No
Speed	400MHz	Ethernet	10/100Mbps
Series	SAM9G	Display & Interface Controllers	LCD, Touchscreen
Security Features	-	Core Processor	ARM926EJ-S
SATA	-	Co-Processors/DSP	-
RAM Controllers	LPDDR, LPSDR, DDR2, SDR, SRAM	Base Product Number	AT91SAM9
Package / Case	324-TFBGA	Additional Interfaces	AC97, EBI/EMI, I ² C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT91SAM9G45C-CU

Product Attribute				
Part Number	AT91SAM9G45C-CU	AT91SAM9G20B-CU	AT91SAM9M10-CU	AT91SAM9G46B-CU
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
Voltage - I/O	1.8V, 3.3V	1.8V, 3.3V	1.8V, 3.3V	1.8V, 3.3V
Graphics Acceleration	No	No	No	No
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	324-TFBGA	217-LFBGA	324-TFBGA	324-TFBGA
USB	USB 2.0 (3)	USB 2.0 (2)	USB 2.0 (3)	USB 2.0 (3)
Speed	400MHz	400MHz	400MHz	400MHz
Supplier Device Package	324-TFBGA (15x15)	217-LFBGA (15x15)	324-TFBGA (15x15)	324-TFBGA (15x15)
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Co-Processors/DSP	-	-	-	-
Base Product Number	AT91SAM9	AT91SAM9	-	AT91SAM9
Core Processor	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S
Additional Interfaces	AC97, EBI/EMI, I ² C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART	EBI/EMI, I ² C, MMC/SD/SDIO, SPI, SSC, UART/USART	AC97, EBI/EMI, I ² C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART	AC97, EBI/EMI, I ² C, ISI, MMC/SD/SDIO, SPI, SSC, UART/USART
Ethernet	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
Security Features	-	-	-	-
Package	Tray	Tray	Tray	Tray
SATA	-	-	-	-
Display & Interface Controllers	LCD, Touchscreen	-	LCD, Touchscreen, Video Decoder	LCD, Touchscreen
Series	SAM9G	SAM9G	SAM9M	SAM9G
RAM Controllers	LPDDR, LPSDR, DDR2, SDR, SRAM	SDRAM, SRAM	LPDDR, LPSDR, DDR2, SDR, SRAM	LPDDR, LPSDR, DDR2, SDR, SRAM

AT91SAM9G45C-CU Datasheet PDF

Download AT91SAM9G45C-CU pdf datasheets and Microchip Technology documentation for AT91SAM9G45C-CU - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

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


[Boxes 07/Dec/2016.pdf](#)

PCN Design/Specification

 Marking Chgs 11/Jul/2017.pdf

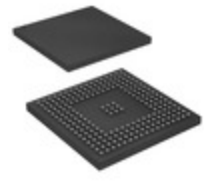

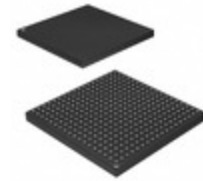

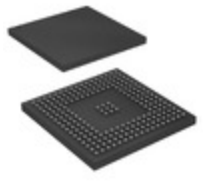
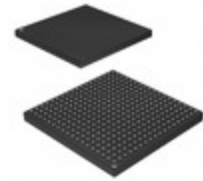
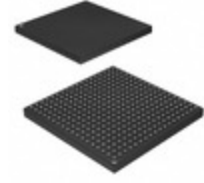
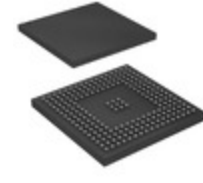

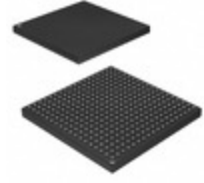
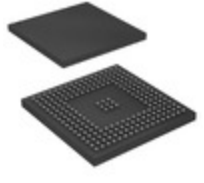
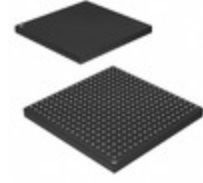
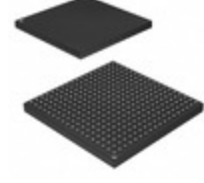

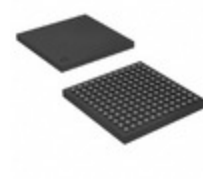


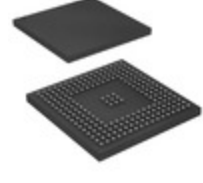
 SAM9G25 04/Oct/2021.pdf

PCN Assembly/Origin

 2.73KHz.pdf

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Recommended Products

					
AT91SAM9G20B-CU Microchip Technology IC MCU 32BIT 64KB ROM 217BGA	AT91SAM9M10-CU Atmel RISC MCU, 32-BIT, FLASH, 400MHZ	AT91SAM9G46B-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9G20B-CU Atmel AT91SAM9G20 - RISC MICROCONTROLL	AT91SAM9RL64-CU Microchip Technology IC MCU 16/32BIT 32KB ROM 217BGA	AT91SAM9M11B-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA
					
AT91SAM9G45-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9G25-CU Microchip Technology IC MCU 32BIT 64KB ROM 217BGA	AT91SAM9N12A-CU Atmel (Microchip Technology)	AT91SAM9M10C-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9G35-CU Microchip Technology IC MCU 32BIT 64KB ROM 217BGA	AT91SAM9M10-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA
					
AT91SAM9G45B-CU Microchip Technology IC MCU 32BIT 64KB ROM 324TFBGA	AT91SAM9G20B-CU-10 Atmel (Microchip Technology)	AT91SAM9R64-CU Microchip Technology IC MCU 16/32BIT 32KB ROM 144BGA	AT91SAM9G20B-CU-10I Atmel (Microchip Technology)	AT91SAM9G45CU Atmel (Microchip Technology)	AT91SAM9N12-CUR Microchip Technology IC MCU 32BIT 128KB ROM 217BGA

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:
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