



# ATSAMA5D43B-CUR

Manufacturer Part Number	<b>ATSAMA5D43B-CUR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-ATSAMA5D43B-CUR
ECAD Model	Request Free CAD Models
Parts Description	BGA GREEN, IND TEMP
Package	289-LFBGA
Data sheet	<b>SAMA5D4 Series Datasheet.pdf</b>
RoHs Status	ROHS3 Compliant



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ATSAMA5D43B-CUR - Microchip Technology.New Original in Stock. Download Linear Technology ATSAMA5D43B-CUR datasheet/specifications on AllelcoElec.com.  
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## Specifications

ATSAMA5D43B-CUR Tech Specifications  
ATSAMA5D43B-CUR - 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	1.2V, 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	289-LFBGA (14x14)	Graphics Acceleration	Yes
Speed	600MHz	Ethernet	10/100Mbps (1)
Series	SAMA5D4	Display & Interface Controllers	LCD, Touchscreen
Security Features	AES, SHA, TDES, TRNG	Core Processor	ARM® Cortex®-A5
SATA	-	Co-Processors/DSP	Multimedia; NEON™ SIMD
RAM Controllers	LPDDR, LPDDR2, DDR2	Base Product Number	ATSAMA5
Package / Case	289-LFBGA	Additional Interfaces	EBI, I <sup>2</sup> C, MMC/SD/SDIO, SPI, SSC, UART, USART
Package	Tape & Reel (TR)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATSAMA5D43B-CUR

Product Attribute				
Part Number	ATSAMA5D43B-CUR	ATSAMA5D42A-CU	ATSAMA5D42B-CUR	ATSAMA5D44A-CU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
USB	USB 2.0 (3)	USB 2.0 (3)	USB 2.0 (3)	USB 2.0 (3)
Additional Interfaces	EBI, I <sup>2</sup> C, MMC/SD/SDIO, SPI, SSC, UART, USART	EBI, I <sup>2</sup> C, MMC/SD/SDIO, SPI, SSC, UART, USART	EBI, I <sup>2</sup> C, MMC/SD/SDIO, SPI, SSC, UART, USART	EBI, I <sup>2</sup> C, MMC/SD/SDIO, SPI, SSC, UART, USART
Core Processor	ARM® Cortex®-A5	ARM® Cortex®-A5	ARM® Cortex®-A5	ARM® Cortex®-A5
Supplier Device Package	289-LFBGA (14x14)	361-TFBGA (16x16)	361-TFBGA (16x16)	361-TFBGA (16x16)
Display & Interface Controllers	LCD, Touchscreen	LCD, Touchscreen	LCD, Touchscreen	LCD, Touchscreen
RAM Controllers	LPDDR, LPDDR2, DDR2	LPDDR, LPDDR2, DDR2	LPDDR, LPDDR2, DDR2	LPDDR, LPDDR2, DDR2
Ethernet	10/100Mbps (1)	10/100Mbps (1)	10/100Mbps (1)	10/100Mbps (1)
Base Product Number	ATSAMA5	ATSAMA5D42	ATSAMA5	ATSAMA5D44
Speed	600MHz	600MHz	600MHz	600MHz
Package / Case	289-LFBGA	361-TFBGA	361-TFBGA	361-TFBGA
Package	Tape & Reel (TR)	Tray	Tape & Reel (TR)	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
SATA	-	-	-	-
Series	SAMA5D4	SAMA5D4	SAMA5D4	SAMA5D4
Voltage - I/O	1.2V, 1.8V, 3.3V	1.2V, 1.8V, 3.3V	1.2V, 1.8V, 3.3V	1.2V, 1.8V, 3.3V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Co-Processors/DSP	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Security Features	AES, SHA, TDES, TRNG	AES, SHA, TDES, TRNG	AES, SHA, TDES, TRNG	AES, SHA, TDES, TRNG
Graphics Acceleration	Yes	Yes	Yes	Yes

## ATSAMA5D43B-CUR Datasheet PDF


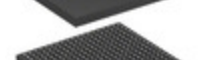
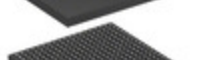















Download ATSAMA5D43B-CUR pdf datasheets and Microchip Technology documentation for ATSAMA5D43B-CUR - Microchip Technology.

### Datasheets

SAMA5D4 Series Datasheet.pdf

## Customers Also Interested in

### Recommended Products

 <b>ATSAMC20E17A-AU</b> Atmel (Microchip Technology)	 <b>ATSAMA5D42A-CU</b> Microchip Technology IC MCU 32BIT 128KB ROM 361TFBGA	 <b>ATSAMA5D42B-CUR</b> Microchip Technology BGA GREEN, IND TEMP	 <b>ATSAMA5D44A-CU</b> Microchip Technology IC MCU 32BIT 128KB ROM 361TFBGA	 <b>ATSAMA5D41A-CUR</b> Microchip Technology IC MCU 32BIT 128KB ROM 289LFBGA	 <b>ATSAMA5D35A-CU</b> Microchip Technology IC MCU 32BIT 160KB ROM 324LFBGA
 <b>ATSAMA5D36A-CU</b> Microchip Technology IC MCU 32BIT 160KB ROM 324LFBGA	 <b>ATSAMC20E15A-AU</b> Atmel (Microchip Technology)	 <b>ATSAMA5D35A-CUR</b> Microchip Technology IC MCU 32BIT 160KB ROM 324LFBGA	 <b>ATSAMC20E16A-MU</b> Atmel (Microchip Technology)	 <b>ATSAMC20E15A-AUT</b> Microchip Technology IC MCU 32BIT 32KB FLASH 48TQFP	 <b>ATSAMA5D34A-CUR</b> Microchip Technology IC MCU 32BIT 160KB ROM 324LFBGA
 <b>ATSAMA5D42A-CU</b> Atmel A5 PROCESSOR, 600MHZ, CMOS, PBGA	 <b>ATSAMA5D44A-CU</b> Atmel A5 PROCESSOR, 600MHZ, CMOS, PBGA	 <b>ATSAMC20E16A-MNT</b> Microchip Technology IC MCU 32BIT 64KB FLASH 32VQFN	 <b>ATSAMA5D36A-CNR</b> Microchip Technology IC MCU 32BIT 160KB ROM 324LFBGA	 <b>ATSAMA5D36A-CN</b> Microchip Technology IC MCU 32BIT 160KB ROM 324LFBGA	 <b>ATSAMC20E15A-MZT</b> Micrel / Microchip Technology

## 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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## Certifications & Memberships



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