

ATSAM4SD16BB-MNR

ATSAM4SD16BB-MNR Information



For Reference Only

Part Number ATSAM4SD16BB-MNR

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

DescriptionFLASH,160K SRAMPackage64-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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ATSAM4SD16BB-MNR Specifications

Manufacturer Part Number ATSAM4SD16BB-MNR Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-VFQFN Exposed Pad Series SAM4S Core Processor ARM® Cortex®-M4 Core Size 32-Bit Speed 120MHz Connectivity PC, IrDA, Memory Card, SPI, SSC, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 47 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 160K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 11x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type -			
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Package $64\text{-VFQFN Exposed Pad}$ SeriesSAM4SCore Processor $ARM@ Cortex@-M4$ Core Size 32-Bit Speed 120MHz Connectivity $PC, IrDA, Memory Card, SPI, SSC, UART/USART, USB$ Peripherals $Brown-out Detect/Reset, DMA, POR, PWM, WDT$ Number of I/O 47 Program Memory Size $1MB (1M \times 8)$ Program Memory Type $FLASH$ $EEPROM Size$ - $RAM Size$ $160K \times 8$ Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 11x12b, D/A 2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}C \sim 105^{\circ}C (TA)$	Category	Integrated Circuits (ICs)	
SeriesSAM4SCore ProcessorARM® Cortex®-M4Core Size32-BitSpeed $120MHz$ Connectivity P^{C} , $IrDA$, Memory Card, SPI, SSC, $UART/USART$, USB PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O 47 Program Memory Size $1MB$ ($1M \times 8$)Program Memory Type $FLASH$ EEPROM Size-RAM Size $160K \times 8$ Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 11x12b$, $D/A 2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)		Embedded - Microcontrollers	
Core Processor ARM® Cortex®-M4 Core Size 32-Bit Speed 120MHz Connectivity I*C, IrDA, Memory Card, SPI, SSC, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 47 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 160K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 11x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)	Package	64-VFQFN Exposed Pad	
Core Size 32-Bit Speed 120MHz ConnectivityPC, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O 47 Program Memory Size $1\text{MB} (1\text{M x 8})$ Program Memory TypeFLASHEEPROM Size-RAM Size 160K x 8 Voltage - Supply (Vcc/Vdd) $1.62\text{ V} \sim 3.6\text{ V}$ Data Converters $A/D 11x12b, D/A 2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)	Series	SAM4S	
Speed 120MHz Connectivity PC, IrDA, Memory Card, SPI, SSC, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 47 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 160K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 11x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)	Core Processor	ARM® Cortex®-M4	
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Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 47 Program Memory Size 1MB (1M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 160K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V \sim 3.6 V Data Converters A/D 11x12b, D/A 2x12b Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)	Speed	120MHz	
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Program Memory Size $1MB (1M \times 8)$ Program Memory Type $FLASH$ EEPROM Size-RAM Size $160K \times 8$ Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 11x12b, D/A 2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} (TA)$	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	
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EEPROM Size - $160K \times 8$ Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 11x12b, D/A 2x12b$ Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$	Program Memory Size	1MB (1M x 8)	
RAM Size $160K \times 8$ Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 11x12b, D/A 2x12b$ Oscillator Type $Internal$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C (TA)}$	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd) $1.62 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $11x12b$, D/A $2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)	EEPROM Size	-	
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Oscillator Type Internal Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V	
Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$	Data Converters	A/D 11x12b, D/A 2x12b	
	Oscillator Type	Internal	
Mounting Type -	Operating Temperature	$-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$	
	Mounting Type	-	
Package / Case 64-VFQFN Exposed Pad	Package / Case	64-VFQFN Exposed Pad	
Supplier Device Package 64-QFN (9x9)	Supplier Device Package	64-QFN (9x9)	
Report errors		Report en	rrors?

ATSAM4SD16BB-MNR Guarantees



Ouality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

ATSAM4SD16BB-MNR Payment Methods



















ATSAM4SD16BB-MNR Shipping Methods













If you have any question about ATSAM4SD16BB-MNR, please do not hesitate to contact us!

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