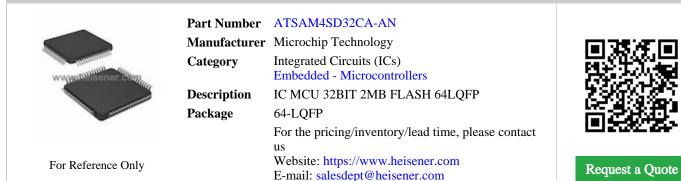


ATSAM4SD32CA-AN

ATSAM4SD32CA-AN Information



Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



ATSAM4SD32CA-AN Specifications

Manufacturer Microchip Technology Manufacturer Microchip Technology Integrated Circuits (ICs) Embedded - Microcontrollers Package 64-LQFP Series SAM4S Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 120MHz Connectivity EBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 79 Program Memory Size 2MB (2M x 8) EEPROM Size - RAM Size 160K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 16x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 64-LQFP			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage64-LQFPSeriesSAM4SCore ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)EEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Package / Case64-LQFP (10x10)	Manufacturer Part Number	ATSAM4SD32CA-AN	
Enhedded - MicrocontrollersPackage64-LQFPSeriesSAM4SCore ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Nutage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Package / Case64-LQFP (10x10)	Manufacturer	Microchip Technology	
Package64-LQFPSeriesSAM4SCore ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConcetivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-Nutlage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-Phackage / Case64-LQFP (10x10)	Category	Integrated Circuits (ICs)	
SeriesSAM4SCore ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltag - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case64-LQFP (10x10)	Package	64-LQFP	
Core Size32-BitSpeed120MHzConnectivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Series	SAM4S	
Speed120MHzConnectivityEBI/EMI, 12C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-AMM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator Type-40°C ~ 105°C (TA)Operating Temperature-40°C ~ 105°C (TA)Package / Case64-LQFP (10x10)	Core Processor	ARM? Cortex?-M4	
PrintInternationConnectivityEBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPOscillator Device Package64-LQFP (10x10)	Core Size	32-Bit	
PeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Speed	120MHz	
Number of I/O79Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Connectivity	EBI/EMI, I2C, IrDA, Memory Card, SPI, SSC, UART/USART, USB	
Program Memory Size2MB (2M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFP (10x10)	Number of I/O	79	
EEPROM Size-RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Program Memory Size	2MB (2M x 8)	
RAM Size160K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	EEPROM Size	-	
Data ConvertersA/D 16x12b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	RAM Size	160K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V	
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Data Converters	A/D 16x12b, D/A 2x12b	
Mounting Type-Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Oscillator Type	Internal	
Package / Case64-LQFPSupplier Device Package64-LQFP (10x10)	Operating Temperature	$-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{(TA)}$	
Supplier Device Package64-LQFP (10x10)	Mounting Type	-	
	Package / Case	64-LQFP	
Report errors?	Supplier Device Package	64-LQFP (10x10)	
			Report errors?

ATSAM4SD32CA-AN Guarantees



Quality Guarantees

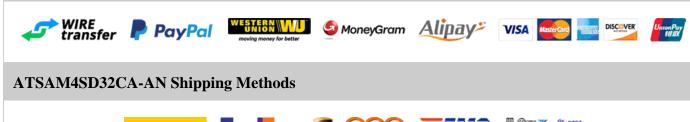
We provide 90 days warranty. * If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

ATSAM4SD32CA-AN Payment Methods





If you have any question about ATSAM4SD32CA-AN, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com