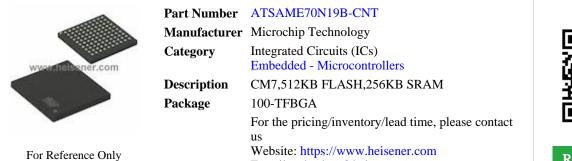


ATSAME70N19B-CNT

ATSAME70N19B-CNT Information



E-mail: salesdept@heisener.com



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ATSAME70N19B-CNT Specifications

Manufacturer Part Number ATSAME70N19B-CNT Manufacturer Microchip Technology Category Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 100-TFBGA Stries AAM & TO Core Processor ARM® Cortex®-M7 Core Size 32-Bit Speed 300MHz Connectivity CANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USB Porpharals Brown-out Detect/Reset, DMA, PS, POR, PWM, WDT Number of I/O 75 Program Memory Size - Program Memory Type FLASH EEPROM Size - RAM Size 256K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 10x12b; D/A 2x12b Oscillator Type - Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 100-TFBGA (9x9)			
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 100-TFBGA Series SAM E70 Core Processor ARM® Cortex®-M7 Core Size 32-Bit Speed 300MHz Connectivity CANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, PS, POR, PWM, WDT Number of I/O 75 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 100-TFBGA (9x9)	Manufacturer Part Number	ATSAME70N19B-CNT	
IndextedEmbedded - MicrocontrollersPackage100-TFBGASeriesSAM E70Core ProcessorARM® Cortex®-M7Core Size32-BitSpeed300MHzConectivityCANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, PS, POR, PWM, WDTNumber of I/O75Program Memory Size512KB (512K x 8)PERPOM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case100-TFBGA (9x9)Supplier Device Package100-TFBGA (9x9)	Manufacturer	Microchip Technology	
Package100-TFBGASeriesSAM E70Core ProcessorARM® Cortex®-M7Core Size32-BitSpeed300MHzConnectivityCANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, PS, POR, PWM, WDTNumber of I/O75Program Memory Size512KB (512K x 8)PEROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator Type40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGA (9x9)	Category	Integrated Circuits (ICs)	
SeriesSAM E70SeriesARM® Cortex®-M7Core Processor32-BitSped300MHzSonnectivityCANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, PS, POR, PWM, WDTNumber of I/O75Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersAD 10x12b; D/A 2x12bOscillator Type-Operating Temperature-Aubouring Type-Prokage / Case100-TFBGA (9x9)		Embedded - Microcontrollers	
Core ProcessorARM® Cortex®-M7Core Size32-BitSpeed300MHzConnectivityCANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USBPripheralsBrown-out Detect/Reset, DMA, PS, POR, PWM, WDTNumber of I/O75Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator Type-Mounting Type-Prokage / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Package	100-TFBGA	
Core Size32-BitSpeed300MHzConnectivityCANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, PS, POR, PWM, WDTNumber of I/O75Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Series	SAM E70	
Speed300MHzConnectivityCANbus, Ethernet, I*C, IrDA, LINbus, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, I*S, POR, PWM, WDTNumber of I/O75Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGA (9x9)	Core Processor	ARM® Cortex®-M7	
Connectivity CANbus, Ethernet, PC, IrDA, LINbus, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, PS, POR, PWM, WDT Number of I/O 75 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature - Package / Case 100-TFBGA (9x9)	Core Size	32-Bit	
Peripherals Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT Number of I/O 75 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature - Package / Case 100-TFBGA (9x9)	Speed	300MHz	
Number of I/O 75 Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256K x 8 Voltage - Supply (Vcc/Vdd) 1.62 V ~ 3.6 V Data Converters A/D 10x12b; D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 100-TFBGA (9x9)	Connectivity	CANbus, Ethernet, I ² C, IrDA, LINbus, SPI, UART/USART, USB	
Program Memory Size512KB (512K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGA (9x9)	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Number of I/O	75	
EEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Program Memory Size	512KB (512K x 8)	
RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Program Memory Type	FLASH	
Note of the intervalDefendenceVoltage - Supply (Vcc/Vdd)1.62 V ~ 3.6 VData ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	EEPROM Size	-	
Data ConvertersA/D 10x12b; D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	RAM Size	256K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Voltage - Supply (Vcc/Vdd)	1.62 V ~ 3.6 V	
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Data Converters	A/D 10x12b; D/A 2x12b	
Mounting Type-Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Oscillator Type	Internal	
Package / Case100-TFBGASupplier Device Package100-TFBGA (9x9)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package100-TFBGA (9x9)	Mounting Type	-	
	Package / Case	100-TFBGA	
Report errors'	Supplier Device Package	100-TFBGA (9x9)	
			Report errors?

ATSAME70N19B-CNT 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 BUARANTEE

Service Guarantees

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

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