

ATSAMS70J19A-MN





Part Number: [ATSAMS70J19A-MN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 64QFN

Data sheet:  [SAM E/S/V70,V71 Family Errata](#)
 [SAM E/S/V70,V71 Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

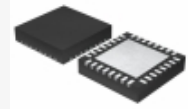
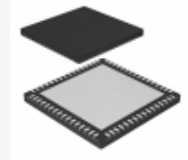
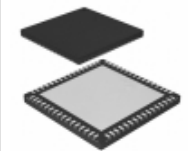
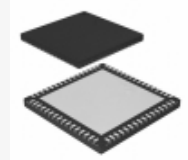
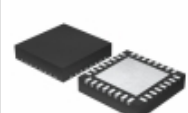
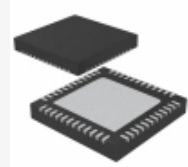
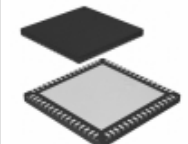
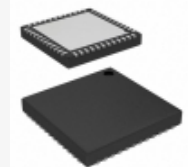
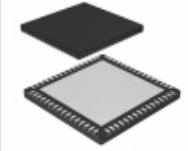
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PRODUCT PARAMETER			
Part Number	ATSAMS70J19A-MN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13656 pcs	Data sheet	SAM E/S/V70,V71 Family Errata SAM E/S/V70,V71 Family
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Datasheet 1.08 V ~ 3.6 V
Supplier Device Package	64-QFN (9x9)	Speed	300MHz
Series	SAM S70	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Tray
Package / Case	64-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	44
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	5 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M7 SAM S70 Microcontroller IC 32-Bit 300MHz 512KB (512K x 8) FLASH 64-QFN (9x9)	Data Converters	A/D 5x12b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M7
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART, USB		
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	Part#: ATSAMS70J19A-ANT Description: IC MCU 32BIT 512KB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMS70J20A-MN Description: IC MCU 32BIT 1MB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMS70J20A-AN Description: IC MCU 32BIT 1MB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMS70J20A-ANT Description: IC MCU 32BIT 1MB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMR30E18A-MU Description: 32 PIN SIP 256K MCU + 802.15.4 S	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMR30G18A-MUT Description: 48 PIN SIP 256K MCU SUB-GHZ RADI	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMR21G18A-MUTA6 Description: SAMR21 48PIN 256K 85C T&R MAC AD	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMS70J20B-MN Description: IC MCU 32BIT 1MB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMR30G18A-MU Description: 48 PIN SIP 256K MCU + 802.15.4 S	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMS70J20A-MNT Description: IC MCU 32BIT 1MB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMR30-XPRO Description: XPLAINED PRO KIT FOR SAM R30 DEV	Manufacturers: Micrel / Microchip Technology	RFQ

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