

ATSAME70J19A-AN



Part Number: [ATSAME70J19A-AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 64LQFP

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

RoHs Status: Lead free / RoHS Compliant

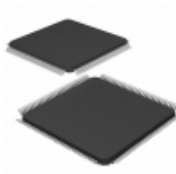
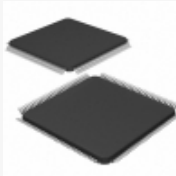
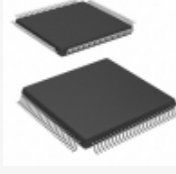
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PRODUCT PARAMETER			
Part Number	ATSAME70J19A-AN	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 64LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	11805 pcs	Data sheet	SAM E/S/V70,V71 Family Errata SAM E/S/V70,V71 Family
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Datasheet 1.62 V ~ 3.6 V
Supplier Device Package	64-LQFP (10x10)	Speed	300MHz
Series	SAM E70	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, PS, POR, PWM, WDT	Packaging	Tray
Package / Case	64-LQFP	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	6 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M7 SAM E70 Microcontroller IC 32-Bit 300MHz 512KB (512K x 8) FLASH 64-LQFP (10x10)	Data Converters	A/D 5x12b, D/A 1x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M7
Connectivity	CANbus, Ethernet, I²C, IrDA, LINbus, SPI, UART/USART, USB	Base Part Number	ATSAME70J19
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	Part#: ATSAME70J20A-ANT Description: IC MCU 32BIT 1MB FLASH 64LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAME70J20B-ANT Description: CM7,1024KB FLASH,384KB SRAM,LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAME54P19A-AU Description: IC MCU 32BIT 512KB FLASH 128TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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