



Micrel / Microchip Technology

## ATSAME70N19A-CN

Part Number:	ATSAME70N19A-CN
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 32BIT 512KB FLASH 100BGA
Datasheets:	<a href="#">1.ATSAME70N19A-CN.pdf</a> <a href="#">2.ATSAME70N19A-CN.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	16823 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATSAME70N19A-CN

PART NUMBER	ATSAME70N19A-CN
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 512KB FLASH 100BGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	16823 pcs
DATA SHEET	<a href="#">1.ATSAME70N19A-CN.pdf</a> <a href="#">2.ATSAME70N19A-CN.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.62 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	100-TFBGA (9x9)
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, I <sup>2</sup> S, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	100-TFBGA
OTHER NAMES	1611-ATSAME70N19A-CN
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	75
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
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 100-TFBGA (9x9)
DATA CONVERTERS	A/D 10x12b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M7
CONNECTIVITY	CANbus, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB

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### Related Products

<p><b>ATSAME70N20A-AN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 100LQFP                  In stock: 9531 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAME70N19A-ANT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 100LQFP                  In stock: 11957 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAME70N19B-CNT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: CM7,512KB FLASH,256KB SRAM                  In stock: 10324 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAME70J21B-ANT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 2MB FLASH 64LQFP                  In stock: 8834 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAME70N19B-CN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: CM7,512KB FLASH,256KB SRAM,BGA10                  In stock: 9158 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAME70J21A-AN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 2MB FLASH 64LQFP                  In stock: 7274 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAME70J21A-ANT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 2MB FLASH 64LQFP                  In stock: 8513 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAME70N20A-ANT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 100LQFP                  In stock: 10905 pcs  <a href="#">RFQ</a></p>
<p><b>ATSAME70N19A-CNT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 512KB FLASH 100BGA                  In stock: 11472 pcs  <a href="#">RFQ</a></p>	<p><b>ATSAME70N20A-CN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 100TFBGA                  In stock: 8295 pcs  <a href="#">RFQ</a></p>
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