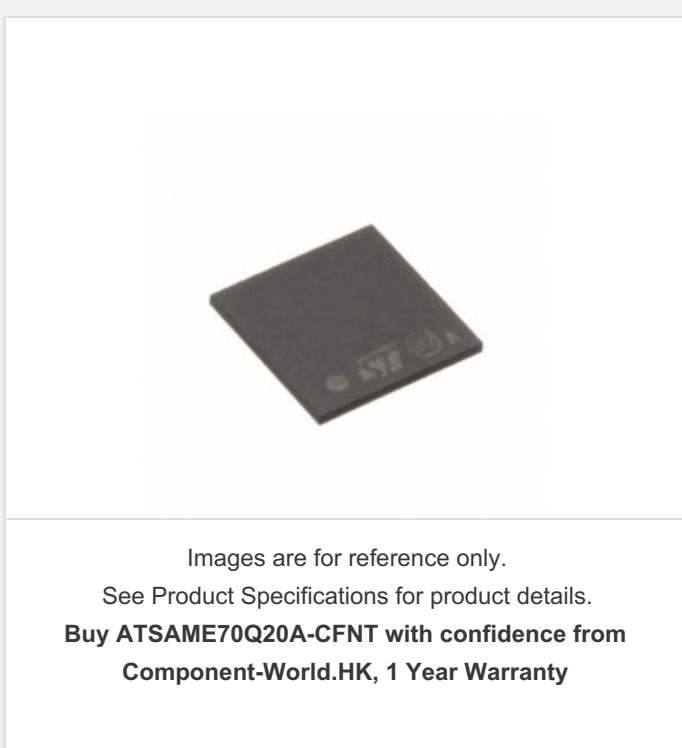


**ATSAME70Q20A-CFNT**



**Part Number:** [ATSAME70Q20A-CFNT](#)  
**Manufacturer:** [Micrel / Microchip Technology](#)  
**Description:** IC MCU 32BIT 1MB FLASH 144UFBGA  
**Data sheet:** [SAM E/S/V70,V71 Family Errata](#)  
[SAM E/S/V70,V71 Family Datasheet](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

[Request For Quotation](#)

PRODUCT PARAMETER	
<b>Part Number</b>	ATSAME70Q20A-CFNT
<b>Description</b>	IC MCU 32BIT 1MB FLASH 144UFBGA
<b>Quantity Available</b>	8973 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	144-UFBGA (6x6)
<b>Series</b>	SAM E70
<b>Program Memory Type</b>	FLASH
<b>Peripherals</b>	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT
<b>Package / Case</b>	144-UFBGA
<b>Oscillator Type</b>	Internal
<b>Number of I/O</b>	114
<b>Manufacturer Standard Lead Time</b>	7 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 24x12b, D/A 2x12b
<b>Core Processor</b>	ARM® Cortex®-M7
<b>Manufacturer</b>	<a href="#">Micrel / Microchip Technology</a>
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	<a href="#">SAM E/S/V70,V71 Family Errata</a> <a href="#">SAM E/S/V70,V71 Family Datasheet</a>
<b>Voltage - Supply (Vcc/Vdd)</b>	1.62 V ~ 3.6 V
<b>Speed</b>	300MHz
<b>RAM Size</b>	384K x 8
<b>Program Memory Size</b>	1MB (1M x 8)
<b>Packaging</b>	Cut Tape (CT)
<b>Other Names</b>	ATSAME70Q20A-CFNTCT
<b>Operating Temperature</b>	-40°C ~ 105°C (TA)
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	ARM® Cortex®-M7 SAM E70 Microcontroller IC 32-Bit 300MHz 1MB (1M x 8) FLASH 144-UFBGA (6x6)
<b>Core Size</b>	32-Bit
<b>Connectivity</b>	CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, LINbus, MMC/SD/SDIO, SPI, UART/USART, USB

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	Part#: <a href="#">ATSAME70N21B-CNT</a> Description: IC MCU 32BIT 2MB FLASH 100TFBGA Manufacturers: <a href="#">Micrel / Microchip Technology</a> <a href="#">RFQ</a>
	Part#: <a href="#">ATSAME70Q20A-ANT</a> Description: IC MCU 32BIT 1MB FLASH 144LQFP Manufacturers: <a href="#">Micrel / Microchip Technology</a> <a href="#">RFQ</a>
	Part#: <a href="#">ATSAME70Q19A-CN</a> Description: IC MCU 32BIT 512KB FLASH 144BGA Manufacturers: <a href="#">Micrel / Microchip Technology</a> <a href="#">RFQ</a>
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Related keywords for **ATSAME70Q20A-CFNT**

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