

ATSAMA5D27C-CU



Part Number: [ATSAMA5D27C-CU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT EXT MEM 289LFBGA

Data sheet:  [SAMA5D2 Series](#)

RoHs Status: Lead free / RoHS Compliant

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Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	ATSAMA5D27C-CU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT EXT MEM 289LFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13482 pcs	Data sheet	SAMA5D2 Series
Category	Integrated Circuits (ICs)	Voltage - I/O	3.3V
USB	USB 2.0 + HSIC	Supplier Device Package	289-LFBGA (14x14)
Speed	500MHz	Series	SAMA5D2
Security Features	ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC	SATA	-
RAM Controllers	LPDDR1, LPDDR2, LPDDR3, DDR2, DDR3, DDR3L, QSPI	Packaging	Tray
Package / Case	289-LFBGA	Operating Temperature	-40°C ~ 85°C (TA)
Number of Cores/Bus Width	1 Core, 32-Bit	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	7 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Graphics Acceleration	Yes	Ethernet	10/100 Mbps (1)
Display & Interface Controllers	Keyboard, LCD, Touchscreen	Detailed Description	ARM® Cortex®-A5 Microprocessor IC SAMA5D2 1 Core, 32-Bit 500MHz 289-LFBGA (14x14)
Core Processor	ARM® Cortex®-A5	Co-Processors/DSP	Multimedia; NEON™ MPE
Base Part Number	ATSAMA5D27	Additional Interfaces	I²C, SMC, SPI, UART, USART, QSPI

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	Part#: ATSAMA5D27B-CN Description: IC MCU 32BIT EXT MEM 289LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMA5D27C-CNR Description: IC MCU 32BIT EXT MEM 289LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ

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