

ATSAMA5D27B-CNR



Part Number: [ATSAMA5D27B-CNR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT EXT MEM 289LFBGA

Data sheet:  [SAMA5D2 Series](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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PRODUCT PARAMETER		
Part Number	ATSAMA5D27B-CNR	Manufacturer Micrel / Microchip Technology
Description	IC MCU 32BIT EXT MEM 289LFBGA	Lead Free Status / RoHS Status Lead free / RoHS Compliant
Quantity Available	10452 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 Tape & Reel (TR)
Package / Case	289-LFBGA	Operating Temperature -40°C ~ 105°C (TA)
Number of Cores/Bus Width	1 Core, 32-Bit	Moisture Sensitivity Level (MSL) 3 (168 Hours)
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#: ATSAMA5D26C-CNR Description: IC MCU 32BIT EXT MEM 289LFBGA	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: ATSAMA5D27C-D5M-CU Description: BGA GREEN, IND TEMP,MRLC,512MBIT	Manufacturers: Micrel / Microchip Technology RFQ
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	Part#: ATSAMA5D27C-D1G-CUR Description: BGA GREEN, IND TEMP,MRLC,1GBIT D	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: ATSAMA5D27-SOM1 Description: SAMA5D2 SYST.ON MODULE 1	Manufacturers: Micrel / Microchip Technology RFQ

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