



Image may be representation.
See specifications for product details.

ATSAMA5D24C-CU

Part Number: **ATSAMA5D24C-CU**
 Product Description: IC MCU 32BIT EXT MEM 256TFBGA
 RoHs Status: Lead free / RoHS Compliant
 Datasheets: [ATSAMA5D24C-CU.pdf](#)

Manufacturer/Brand: Micrel / Microchip Technology
 Ship From: Hong Kong
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Product details

Part Number	ATSAMA5D24C-CU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT EXT MEM 256TFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Data sheet	ATSAMA5D24C-CU.pdf		
Voltage - I/O	3.3V	USB	USB 2.0 + HSIC
Supplier Device Package	256-TFBGA (8x8)	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	256-TFBGA
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	6 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 256-TFBGA (8x8)	Core Processor	ARM® Cortex®-A5
Co-Processors/DSP	Multimedia; NEON™ MPE	Base Part Number	ATSAMA5D24
Additional Interfaces	I ² C, SMC, SPI, UART, USART, QSPI		

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