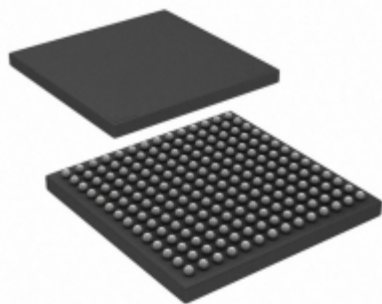


ATSAMA5D22A-CU





Part Number: [ATSAMA5D22A-CU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT EXT MEM 196TFBGA

Data sheet:  [SAMA5D2 Series](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

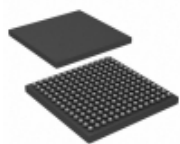
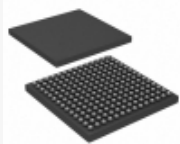
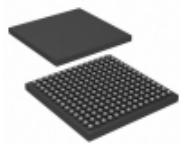
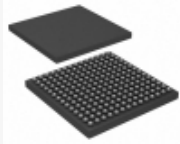
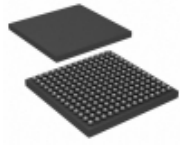
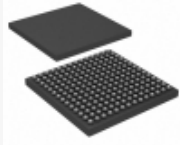
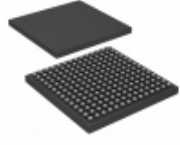
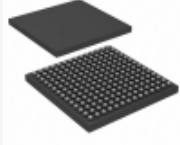
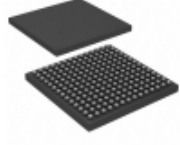
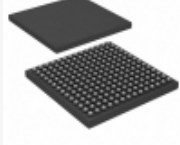
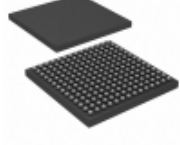
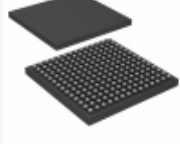
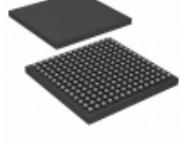
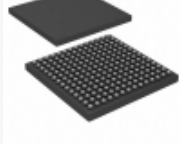
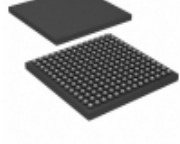
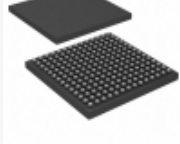
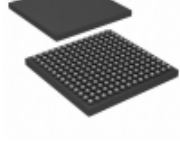
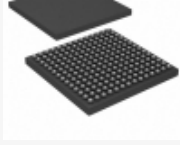
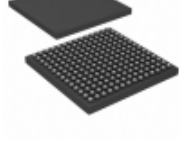
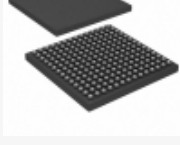
Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	ATSAMA5D22A-CU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT EXT MEM 196TFBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	22766 pcs	Data sheet	SAMA5D2 Series
Category	Integrated Circuits (ICs)	Voltage - I/O	3.3V
USB	USB 2.0 + HSIC	Supplier Device Package	196-TFBGA (11x11)
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	196-TFBGA, CSBGA	Other Names	1611-ATSAMA5D22A-CU
Operating Temperature	-40°C ~ 85°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 196-TFBGA (11x11)
Core Processor	ARM® Cortex®-A5	Co-Processors/DSP	Multimedia; NEON™ MPE
Base Part Number	ATSAMA5D22	Additional Interfaces	PC, SMC, SPI, UART, USART, QSPI

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RELATED PRODUCTS			
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	Part#: ATSAMA5D225C-D1M-CUR Description: BGA GREEN, IND TEMP,MRLC,128MBIT	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMA5D21A-CU Description: IC MCU 32BIT EXT MEM 196TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMA5D21C-CUR Description: IC MCU 32BIT EXT MEM 196TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMA5D22C-CU Description: IC MCU 32BIT EXT MEM 196TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATSAMA5D21B-CU Description: IC MCU 32BIT EXT MEM 196TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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