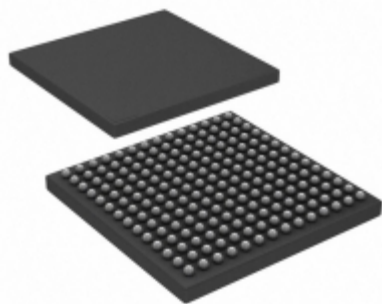


ATSAMA5D23A-CNR





Part Number:

ATSAMA5D23A-CNR

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

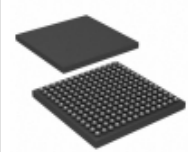
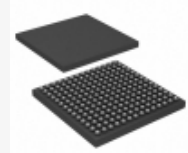
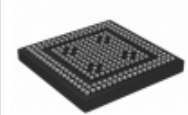
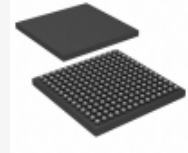
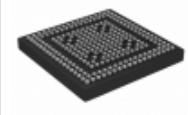
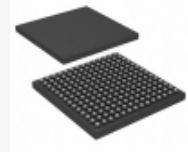
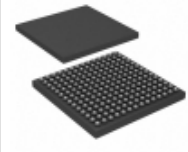
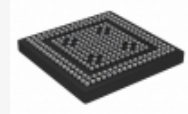
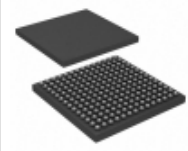
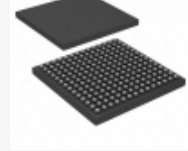
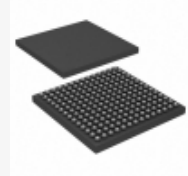
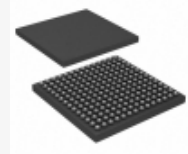
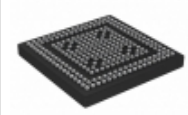
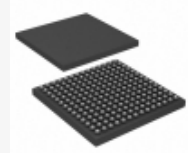
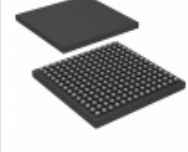
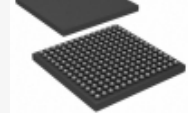
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy ATSAMA5D23A-CNR with confidence from  
Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                   |                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ATSAMA5D23A-CNR                                                                                   | Manufacturer <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT EXT MEM 196TFBGA                                                                     | Lead Free Status / RoHS Status Lead free / RoHS Compliant  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5128 pcs                                                                                          | Data sheet <a href="#">SAMA5D2 Series</a>                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                                         | 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 Tape & Reel (TR)                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 196-TFBGA, CSBGA                                                                                  | 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 196-TFBGA (11x11)                 | Core Processor ARM® Cortex®-A5                             |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Multimedia; NEON™ MPE                                                                             | Base Part Number ATSAMA5D23                                |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I²C, SMC, SPI, UART, USART, QSPI                                                                  |                                                            |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 5128 pieces of Micrel / Microchip Technology ATSAMA5D23A-CNR in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                                   |                                                            |

| RELATED PRODUCTS                                                                   |                                                                                      |                                                                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|  | Part#: <a href="#">ATSAMA5D23B-CUR</a><br>Description: IC MCU 32BIT 196TFBGA         | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D23B-CU</a><br>Description: IC MCU 32BIT 196TFBGA          | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22C-CUR</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22A-CUR</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D24B-CU</a><br>Description: IC MCU 32BIT EXT MEM 256TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22B-CU</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D24A-CUR</a><br>Description: IC MCU 32BIT EXT MEM 256TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22B-CUR</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22C-CU</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D24A-CU</a><br>Description: IC MCU 32BIT EXT MEM 256TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D23A-CUR</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22B-CN</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D23B-CNR</a><br>Description: IC MCU 32BIT 196TFBGA         | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22C-CNR</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D23B-CN</a><br>Description: IC MCU 32BIT 196TFBGA          | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22C-CN</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D24B-CUR</a><br>Description: IC MCU 32BIT EXT MEM 256TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D23A-CU</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D22B-CNR</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |
|  | Part#: <a href="#">ATSAMA5D23A-CN</a><br>Description: IC MCU 32BIT EXT MEM 196TFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a><br>RFQ |

| Related keywords for ATSAMA5D23A-CNR          |                                      |                                        |                       |
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