

MICROCHIP

Micrel / Microchip Technology

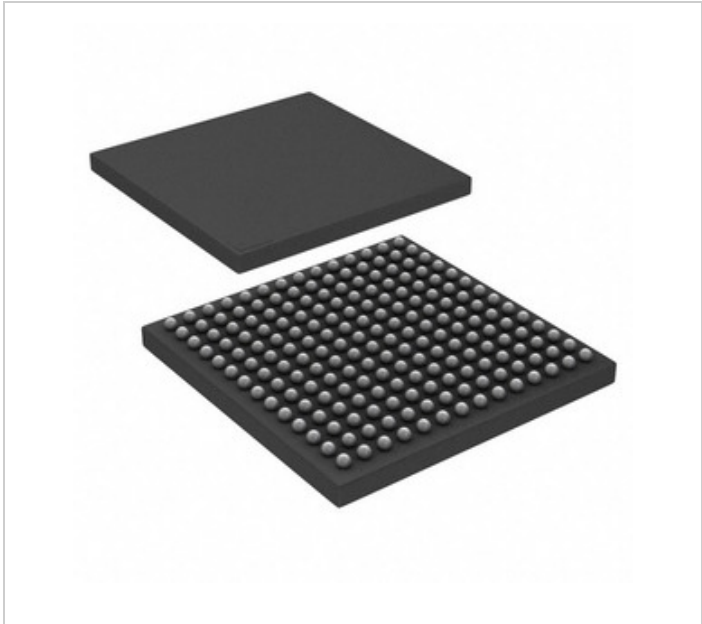


Image may be representation. See specifications for product details.

## ATSAMA5D22A-CN

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMA5D22A-CN                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 32BIT EXT MEM 196TFBGA                                                                                        |
| Datasheets:         |  <a href="#">ATSAMA5D22A-CN.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant         |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

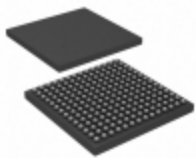
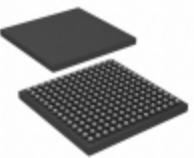
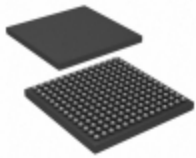
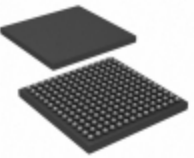
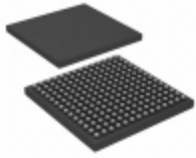
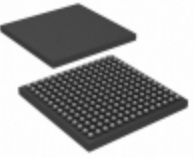
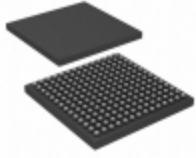
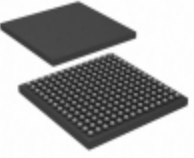
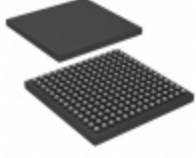
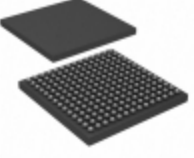
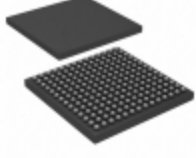
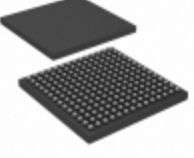
### Specifications of ATSAMA5D22A-CN

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMA5D22A-CN                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT EXT MEM 196TFBGA                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| DATA SHEET                       |  <a href="#">ATSAMA5D22A-CN.pdf</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                        | Tray                                                                                                                   |
| 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                 | ATSAMA5D22                                                                                                             |
| ADDITIONAL INTERFACES            | I²C, SMC, SPI, UART, USART, QSPI                                                                                       |

### Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATSAMA5D22A-CN | ATSAMA5D22A-CN Distributor             | ATSAMA5D22A-CN Supplier                               |
| ATSAMA5D22A-CN Price                         | ATSAMA5D22A-CN Pictures                | ATSAMA5D22A-CN Image                                  |
| ATSAMA5D22A-CN PDF Datasheet                 | ATSAMA5D22A-CN Download Datasheet      | ATSAMA5D22A-CN Datasheet                              |
| ATSAMA5D22A-CN Stock                         | Buy ATSAMA5D22A-CN                     | Buy Micrel / Microchip Technology ATSAMA5D22A-CN      |
| Micrel / Microchip Technology ATSAMA5D22A-CN | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATSAMA5D22A-CN | Microchip Technology ATSAMA5D22A-CN    | Roving Networks / Microchip Technology ATSAMA5D22A-CN |

### Related Products

|                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                  |
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|  <div><b>ATSAMA5D225C-D1M-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP,MRLC,128MBIT<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>ATSAMA5D21C-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>ATSAMA5D225C-D1M-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP,MRLC,128MBIT<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>ATSAMA5D21B-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>ATSAMA5D22A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: 6 pcs<br/><div>RFQ</div></div>              |  <div><b>ATSAMA5D22A-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>ATSAMA5D22B-CNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>         |  <div><b>ATSAMA5D21B-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>ATSAMA5D22B-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>          |  <div><b>ATSAMA5D21C-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>ATSAMA5D22A-CNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>         |  <div><b>ATSAMA5D22B-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 196TFBGA<br/>In stock: 127 pcs<br/><div>RFQ</div></div>    |