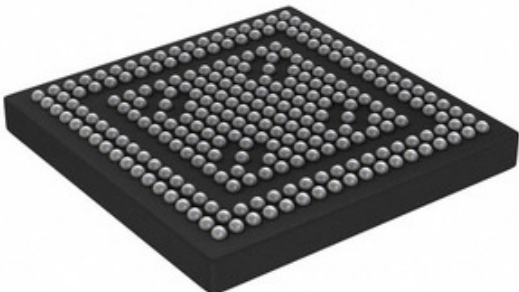



**Micrel / Microchip Technology**



**ATSAMA5D24B-CU**

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMA5D24B-CU                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 32BIT EXT MEM 256TFBGA                                                                                        |
| Datasheets:         |  <a href="#">ATSAMA5D24B-CU.pdf</a> |
| RoHS Status         |  Lead free / RoHS Compliant         |
| Stock Condition     | 23904 pcs stock                                                                                                      |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

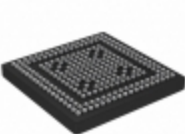
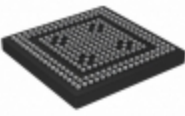
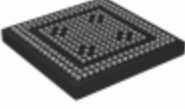
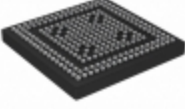
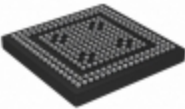
Specifications of ATSAMA5D24B-CU

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMA5D24B-CU                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT EXT MEM 256TFBGA                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                             |
| QUANTITY AVAILABLE               | 23904 pcs                                                                                                              |
| DATA SHEET                       |  <a href="#">ATSAMA5D24B-CU.pdf</a> |
| 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                        | Bulk                                                                                                                   |
| PACKAGE / CASE                   | 256-TFBGA                                                                                                              |
| OTHER NAMES                      | 1611-ATSAMA5D24B-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 256-TFBGA (8x8)                                        |
| CORE PROCESSOR                   | ARM® Cortex®-A5                                                                                                        |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ MPE                                                                                                  |
| BASE PART NUMBER                 | ATSAMA5D24                                                                                                             |
| ADDITIONAL INTERFACES            | I²C, SMC, SPI, UART, USART, QSPI                                                                                       |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATSAMA5D24B-CU | ATSAMA5D24B-CU Distributor             | ATSAMA5D24B-CU Supplier                               |
| ATSAMA5D24B-CU Price                         | ATSAMA5D24B-CU Pictures                | ATSAMA5D24B-CU Image                                  |
| ATSAMA5D24B-CU PDF Datasheet                 | ATSAMA5D24B-CU Download Datasheet      | ATSAMA5D24B-CU Datasheet                              |
| ATSAMA5D24B-CU Stock                         | Buy ATSAMA5D24B-CU                     | Buy Micrel / Microchip Technology ATSAMA5D24B-CU      |
| Micrel / Microchip Technology ATSAMA5D24B-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATSAMA5D24B-CU | Microchip Technology ATSAMA5D24B-CU    | Roving Networks / Microchip Technology ATSAMA5D24B-CU |

Related Products

|                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>ATSAMA5D26A-CNR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 289LFBGA<br>In stock: 4422 pcs<br><div>RFQ</div>  |  <b>ATSAMA5D26A-CN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 289LFBGA<br>In stock: 2757 pcs<br><div>RFQ</div>  |
|  <b>ATSAMA5D24A-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 256TFBGA<br>In stock: 31459 pcs<br><div>RFQ</div>  |  <b>ATSAMA5D23B-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 196TFBGA<br>In stock: 7028 pcs<br><div>RFQ</div>          |
|  <b>ATSAMA5D24B-CUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 256TFBGA<br>In stock: 14724 pcs<br><div>RFQ</div> |  <b>ATSAMA5D23B-CN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 196TFBGA<br>In stock: 6981 pcs<br><div>RFQ</div>          |
|  <b>ATSAMA5D24C-CUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 256TFBGA<br>In stock: 11835 pcs<br><div>RFQ</div> |  <b>ATSAMA5D24C-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 256TFBGA<br>In stock: 12715 pcs<br><div>RFQ</div> |
|  <b>ATSAMA5D26A-CU</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 289LFBGA<br>In stock: 5497 pcs<br><div>RFQ</div>   |  <b>ATSAMA5D23B-CNR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 196TFBGA<br>In stock: 4077 pcs<br><div>RFQ</div>         |
|  <b>ATSAMA5D24A-CUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT EXT MEM 256TFBGA<br>In stock: 12673 pcs<br><div>RFQ</div> |  <b>ATSAMA5D23B-CUR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 196TFBGA<br>In stock: 4716 pcs<br><div>RFQ</div>         |