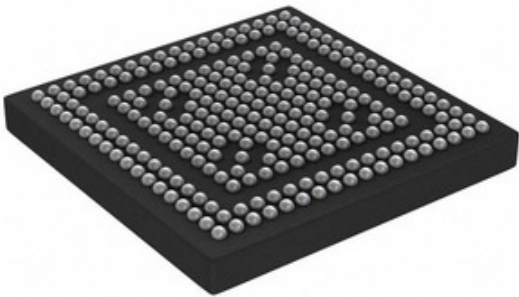


MICROCHIP

Micrel / Microchip Technology



Part Number:  
Manufacturer/Brand:  
Product description  
Datasheets:  
RoHs Status  
Ship From  
Shipment Way

ATSAMA5D24C-CU  
Micrel / Microchip Technology  
IC MCU 32BIT EXT MEM 256TFBGA  
 [ATSAMA5D24C-CU.pdf](#)  
 Lead free / RoHS Compliant  
Hong Kong  
DHL/Fedex/TNT/UPS/EMS

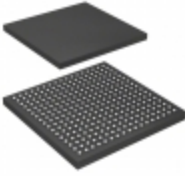
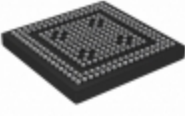
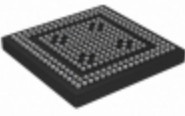
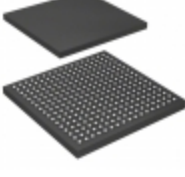
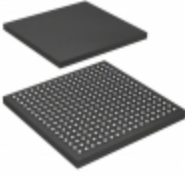
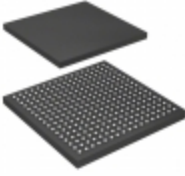
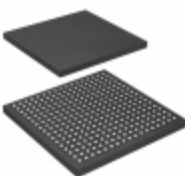
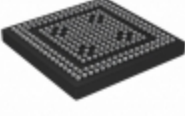
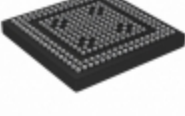
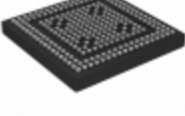
REQUEST FOR QUOTATION

| Specifications of ATSAMA5D24C-CU |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 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                       |  <a href="#">ATSAMA5D24C-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                        | 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            | I²C, SMC, SPI, UART, USART, QSPI                                                                                       |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATSAMA5D24C-CU | ATSAMA5D24C-CU Distributor             | ATSAMA5D24C-CU Supplier                               |
| ATSAMA5D24C-CU Price                         | ATSAMA5D24C-CU Pictures                | ATSAMA5D24C-CU Image                                  |
| ATSAMA5D24C-CU PDF Datasheet                 | ATSAMA5D24C-CU Download Datasheet      | ATSAMA5D24C-CU Datasheet                              |
| ATSAMA5D24C-CU Stock                         | Buy ATSAMA5D24C-CU                     | Buy Micrel / Microchip Technology ATSAMA5D24C-CU      |
| Micrel / Microchip Technology ATSAMA5D24C-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATSAMA5D24C-CU | Microchip Technology ATSAMA5D24C-CU    | Roving Networks / Microchip Technology ATSAMA5D24C-CU |

Related Products

|                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>ATSAMA5D26A-CNR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div>ATSAMA5D24B-CU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 256TFBGA<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div>ATSAMA5D23B-CUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 196TFBGA<br/>In stock: Out stock<br/>RFQ</div>         |  <div>ATSAMA5D24C-CUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 256TFBGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div>ATSAMA5D23B-CU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 196TFBGA<br/>In stock: Out stock<br/>RFQ</div>          |  <div>ATSAMA5D26B-CN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div>ATSAMA5D26A-CU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: Out stock<br/>RFQ</div>  |  <div>ATSAMA5D26A-CN<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div>ATSAMA5D26A-CUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289LFBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div>ATSAMA5D24A-CUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 256TFBGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div>ATSAMA5D24B-CUR<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 256TFBGA<br/>In stock: Out stock<br/>RFQ</div> |  <div>ATSAMA5D24A-CU<br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 256TFBGA<br/>In stock: Out stock<br/>RFQ</div>  |