

MICROCHIP

Micrel / Microchip Technology

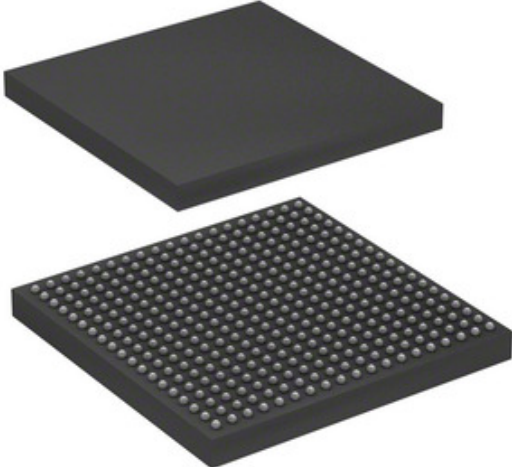


Image may be representation. See specifications for product details.

ATSAMA5D44A-CU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMA5D44A-CU                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 128KB ROM 361TFBGA                                                                              |
| Datasheets:         |  1.ATSAMA5D44A-CU.pdf       |
|                     |  2.ATSAMA5D44A-CU.pdf       |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 8311 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

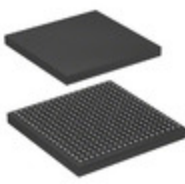
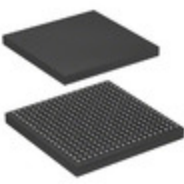
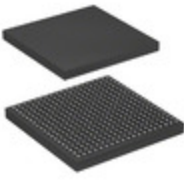
Specifications of ATSAMA5D44A-CU

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMA5D44A-CU                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 128KB ROM 361TFBGA                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                               |
| QUANTITY AVAILABLE               | 8311 pcs                                                                                                 |
| DATA SHEET                       |  1.ATSAMA5D44A-CU.pdf |
|                                  |  2.ATSAMA5D44A-CU.pdf |
| VOLTAGE - I/O                    | 1.2V, 1.8V, 3.3V                                                                                         |
| USB                              | USB 2.0 (3)                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 361-TFBGA (16x16)                                                                                        |
| SPEED                            | 600MHz                                                                                                   |
| SERIES                           | SAMA5D4                                                                                                  |
| SECURITY FEATURES                | AES, SHA, TDES, TRNG                                                                                     |
| SATA                             | -                                                                                                        |
| RAM CONTROLLERS                  | LPDDR, LPDDR2, DDR2                                                                                      |
| PACKAGING                        | Tray                                                                                                     |
| PACKAGE / CASE                   | 361-TFBGA                                                                                                |
| 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  | LCD, Touchscreen                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-A5 Microprocessor IC SAMA5D4 1 Core, 32-Bit 600MHz 361-TFBGA (16x16)                        |
| CORE PROCESSOR                   | ARM® Cortex®-A5                                                                                          |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ SIMD                                                                                   |
| BASE PART NUMBER                 | ATSAMA5D44                                                                                               |
| ADDITIONAL INTERFACES            | EBI, I²C, MMC/SD/SDIO, SPI, SSC, UART, USART                                                             |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATSAMA5D44A-CU | ATSAMA5D44A-CU Distributor             | ATSAMA5D44A-CU Supplier                               |
| ATSAMA5D44A-CU Price                         | ATSAMA5D44A-CU Pictures                | ATSAMA5D44A-CU Image                                  |
| ATSAMA5D44A-CU PDF Datasheet                 | ATSAMA5D44A-CU Download Datasheet      | ATSAMA5D44A-CU Datasheet                              |
| ATSAMA5D44A-CU Stock                         | Buy ATSAMA5D44A-CU                     | Buy Micrel / Microchip Technology ATSAMA5D44A-CU      |
| Micrel / Microchip Technology ATSAMA5D44A-CU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATSAMA5D44A-CU | Microchip Technology ATSAMA5D44A-CU    | Roving Networks / Microchip Technology ATSAMA5D44A-CU |

Related Products

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| <div></div> <div><b>ATSAMA5D44B-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP,MRLB<br/>In stock: 7327 pcs<br/><div>RFQ</div></div>          | <div></div> <div><b>ATSAMA5D44A-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB ROM 361TFBGA<br/>In stock: 8556 pcs<br/><div>RFQ</div></div>           |
| <div></div> <div><b>ATSAMA5D44B-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP<br/>In stock: 8934 pcs<br/><div>RFQ</div></div>              | <div>MICROCHIP</div> <div><b>ATSAMA5D43A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB ROM 289LFBGA<br/>In stock: 8993 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>ATSAMB11-MR210CA</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: RF TXXR MOD BLUETOOTH CHIP ANT<br/>In stock: 11075 pcs<br/><div>RFQ</div></div> | <div>MICROCHIP</div> <div><b>ATSAMA5D44A-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 128KB ROM 361TFBGA<br/>In stock: 8729 pcs<br/><div>RFQ</div></div>           |
| <div>MICROCHIP</div> <div><b>ATSAMA5D43A-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 128KB ROM 289LFBGA<br/>In stock: 7821 pcs<br/><div>RFQ</div></div>  | <div>MICROCHIP</div> <div><b>ATSAMB11-MR510CA</b><br/>Manufacturers: Microchip Technology<br/>Description: RF TXXR MOD BLUETOOTH CHIP ANT<br/>In stock: 4704 pcs<br/><div>RFQ</div></div>           |
| <div>MICROCHIP</div> <div><b>ATSAMA5D43B-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP,MRLB<br/>In stock: 9513 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAMA5D42B-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP<br/>In stock: 8743 pcs<br/><div>RFQ</div></div>                       |
| <div>MICROCHIP</div> <div><b>ATSAMA5D43B-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BGA GREEN, IND TEMP<br/>In stock: 8696 pcs<br/><div>RFQ</div></div>     | <div>MICROCHIP</div> <div><b>ATSAMA5D43A-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB ROM 289LFBGA<br/>In stock: 18747 pcs<br/><div>RFQ</div></div> |