



ATSAMA5D31A-CFUR

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMA5D31A-CFUR                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                          |
| Product description | IC MCU 32BIT 160KB ROM 324TFBGA                                                                                        |
| Datasheets:         |  <a href="#">ATSAMA5D31A-CFUR.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant           |
| Ship From           | Hong Kong                                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                  |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

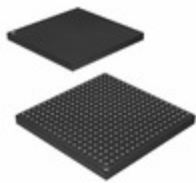
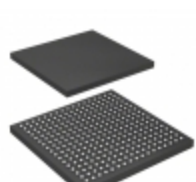
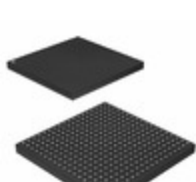
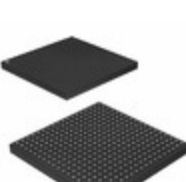
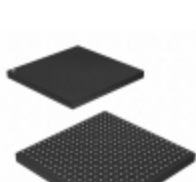
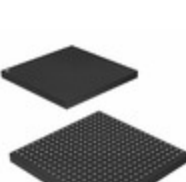
Specifications of ATSAMA5D31A-CFUR

|                                  |                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMA5D31A-CFUR                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 160KB ROM 324TFBGA                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                               |
| DATA SHEET                       |  <a href="#">ATSAMA5D31A-CFUR.pdf</a> |
| VOLTAGE - I/O                    | 1.2V, 1.8V, 3.3V                                                                                                         |
| USB                              | USB 2.0 (3)                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 324-TFBGA (12x12)                                                                                                        |
| SPEED                            | 536MHz                                                                                                                   |
| SERIES                           | SAMA5D3                                                                                                                  |
| SECURITY FEATURES                | AES, SHA, TDES, TRNG                                                                                                     |
| SATA                             | -                                                                                                                        |
| RAM CONTROLLERS                  | LPDDR, LPDDR2, DDR2                                                                                                      |
| PACKAGING                        | Tape & Reel (TR)                                                                                                         |
| PACKAGE / CASE                   | 324-TFBGA                                                                                                                |
| OTHER NAMES                      | ATSAMA5D31A-CFUR-ND<br>ATSAMA5D31A-CFURTR                                                                                |
| 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  | 9 Weeks                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                               |
| GRAPHICS ACCELERATION            | No                                                                                                                       |
| ETHERNET                         | 10/100 Mbps (1)                                                                                                          |
| DISPLAY & INTERFACE CONTROLLERS  | LCD, Touchscreen                                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-A5 Microprocessor IC SAMA5D3 1 Core, 32-Bit 536MHz 324-TFBGA (12x12)                                        |
| CORE PROCESSOR                   | ARM® Cortex®-A5                                                                                                          |
| CO-PROCESSORS/DSP                | -                                                                                                                        |
| BASE PART NUMBER                 | ATSAMA5D31A                                                                                                              |
| ADDITIONAL INTERFACES            | I²C, MMC/SD/SDIO, SPI, SSC, UART, USART                                                                                  |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology ATSAMA5D31A-CFUR | ATSAMA5D31A-CFUR Distributor           | ATSAMA5D31A-CFUR Supplier                               |
| ATSAMA5D31A-CFUR Price                         | ATSAMA5D31A-CFUR Pictures              | ATSAMA5D31A-CFUR Image                                  |
| ATSAMA5D31A-CFUR PDF Datasheet                 | ATSAMA5D31A-CFUR Download Datasheet    | ATSAMA5D31A-CFUR Datasheet                              |
| ATSAMA5D31A-CFUR Stock                         | Buy ATSAMA5D31A-CFUR                   | Buy Micrel / Microchip Technology ATSAMA5D31A-CFUR      |
| Micrel / Microchip Technology ATSAMA5D31A-CFUR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology ATSAMA5D31A-CFUR | Microchip Technology ATSAMA5D31A-CFUR  | Roving Networks / Microchip Technology ATSAMA5D31A-CFUR |

Related Products

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| <div></div> <div><b>ATSAMA5D33A-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 400 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>ATSAMA5D2C-XULT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: ATSAMA5D2C-XULT<br/>In stock: 38 pcs<br/><div>RFQ</div></div>                    |
| <div></div> <div><b>ATSAMA5D3-XPLD</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: BOARD XPLAINED SAMA5D3<br/>In stock: 136 pcs<br/><div>RFQ</div></div>             | <div></div> <div><b>ATSAMA5D2B-XULT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: SAMA5D2 LOW COST KIT MRLB<br/>In stock: Out stock<br/><div>RFQ</div></div>       |
| <div></div> <div><b>ATSAMA5D28C-D1G-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT EXT MEM 289-LFBGA<br/>In stock: 535 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATSAMA5D33-EK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT SAMA5D33 CORTEX-A5<br/>In stock: Out stock<br/><div>RFQ</div></div>       |
| <div></div> <div><b>ATSAMA5D33A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 27 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>ATSAMA5D31A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>ATSAMA5D31A-CFU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324TFBGA<br/>In stock: 53 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>ATSAMA5D31A-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATSAMA5D33A-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 712 pcs<br/><div>RFQ</div></div>            | <div></div> <div><b>ATSAMA5D31-EK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT SAMA5D31 CORTEX-A5<br/>In stock: 25 pcs<br/><div>RFQ</div></div>          |