



Micrel / Microchip Technology

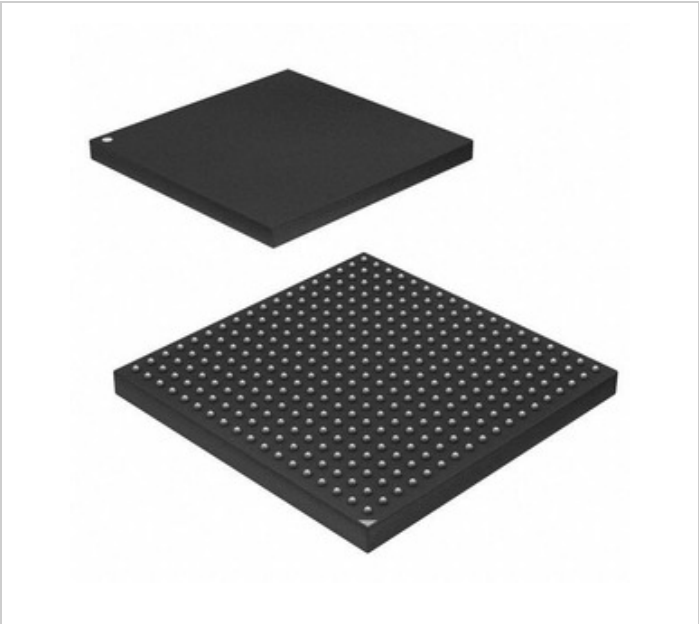


Image may be representation. See specifications for product details.

### ATSAMA5D35A-CN

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATSAMA5D35A-CN                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 160KB ROM 324LFBGA                                                                              |
| Datasheets:         |  1.ATSAMA5D35A-CN.pdf       |
|                     |  2.ATSAMA5D35A-CN.pdf       |
|                     |  3.ATSAMA5D35A-CN.pdf       |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

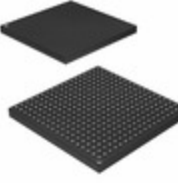
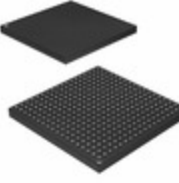
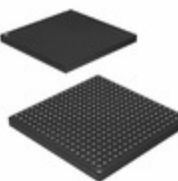
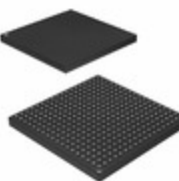
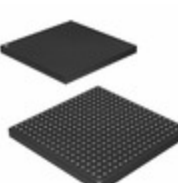
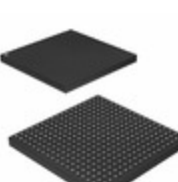
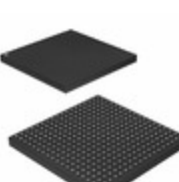
#### Specifications of ATSAMA5D35A-CN

|                                  |                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATSAMA5D35A-CN                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC MCU 32BIT 160KB ROM 324LFBGA                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| DATA SHEET                       |  1.ATSAMA5D35A-CN.pdf<br> 2.ATSAMA5D35A-CN.pdf<br> 3.ATSAMA5D35A-CN.pdf |
| VOLTAGE - I/O                    | 1.2V, 1.8V, 3.3V                                                                                                                                                                                                                                                                                                                 |
| USB                              | USB 2.0 (3)                                                                                                                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 324-LFBGA (15x15)                                                                                                                                                                                                                                                                                                                |
| SPEED                            | 536MHz                                                                                                                                                                                                                                                                                                                           |
| SERIES                           | SAMA5D3                                                                                                                                                                                                                                                                                                                          |
| SECURITY FEATURES                | AES, SHA, TDES, TRNG                                                                                                                                                                                                                                                                                                             |
| SATA                             | -                                                                                                                                                                                                                                                                                                                                |
| RAM CONTROLLERS                  | LPDDR, LPDDR2, DDR2                                                                                                                                                                                                                                                                                                              |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 324-LFBGA                                                                                                                                                                                                                                                                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                                                                               |
| NUMBER OF CORES/BUS WIDTH        | 1 Core, 32-Bit                                                                                                                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER STANDARD LEAD TIME  | 10 Weeks                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                       |
| GRAPHICS ACCELERATION            | No                                                                                                                                                                                                                                                                                                                               |
| ETHERNET                         | 10/100/1000 Mbps (1)                                                                                                                                                                                                                                                                                                             |
| DISPLAY & INTERFACE CONTROLLERS  | Touchscreen                                                                                                                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-A5 Microprocessor IC SAMA5D3 1 Core, 32-Bit 536MHz 324-LFBGA (15x15)                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | ARM® Cortex®-A5                                                                                                                                                                                                                                                                                                                  |
| CO-PROCESSORS/DSP                | -                                                                                                                                                                                                                                                                                                                                |
| BASE PART NUMBER                 | ATSAMA5D35A                                                                                                                                                                                                                                                                                                                      |
| ADDITIONAL INTERFACES            | CAN, I²C, MMC/SD/SDIO, SPI, SSC, UART, USART                                                                                                                                                                                                                                                                                     |

#### Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology ATSAMA5D35A-CN | ATSAMA5D35A-CN Distributor             | ATSAMA5D35A-CN Supplier                               |
| ATSAMA5D35A-CN Price                         | ATSAMA5D35A-CN Pictures                | ATSAMA5D35A-CN Image                                  |
| ATSAMA5D35A-CN PDF Datasheet                 | ATSAMA5D35A-CN Download Datasheet      | ATSAMA5D35A-CN Datasheet                              |
| ATSAMA5D35A-CN Stock                         | Buy ATSAMA5D35A-CN                     | Buy Micrel / Microchip Technology ATSAMA5D35A-CN      |
| Micrel / Microchip Technology ATSAMA5D35A-CN | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATSAMA5D35A-CN | Microchip Technology ATSAMA5D35A-CN    | Roving Networks / Microchip Technology ATSAMA5D35A-CN |

#### Related Products

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|  <div><b>ATSAMA5D36-EK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT SAMA5D36 CRYPTO<br/>In stock: Out stock<br/><div>RFQ</div></div>          |  <div><b>ATSAMA5D34-EK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT SAMA5D34 CORTEX-A5<br/>In stock: Out stock<br/><div>RFQ</div></div>       |
|  <div><b>ATSAMA5D36A-CN</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 8 pcs<br/><div>RFQ</div></div>      |  <div><b>ATSAMA5D34A-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><b>ATSAMA5D35A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 566 pcs<br/><div>RFQ</div></div>    |  <div><b>ATSAMA5D35A-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 660 pcs<br/><div>RFQ</div></div>   |
|  <div><b>ATSAMA5D34A-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 126 pcs<br/><div>RFQ</div></div>    |  <div><b>ATSAMA5D35-EK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: EVAL KIT SAMA5D35 CORTEX-A5<br/>In stock: Out stock<br/><div>RFQ</div></div>       |
|  <div><b>ATSAMA5D35A-CNR</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><b>ATSAMA5D36A-CNR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 350 pcs<br/><div>RFQ</div></div>   |
|  <div><b>ATSAMA5D34A-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: 708 pcs<br/><div>RFQ</div></div>            |  <div><b>ATSAMA5D35A-CN</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 160KB ROM 324LFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>           |