



AT91SAM7X512-CU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | AT91SAM7X512-CU                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 512KB FLASH 100BGA                                                                              |
| Datasheets:         |  AT91SAM7X512-CU.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3962 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

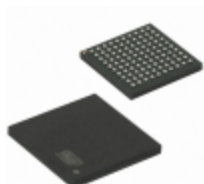
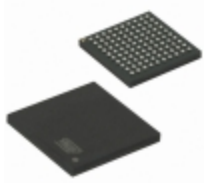
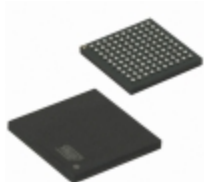
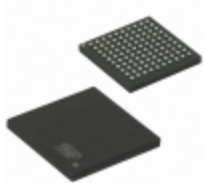
Specifications of AT91SAM7X512-CU

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | AT91SAM7X512-CU                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                           |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100BGA                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE               | 3962 pcs                                                                                                |
| DATA SHEET                       |  AT91SAM7X512-CU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 1.95 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 100-TFBGA (9x9)                                                                                         |
| SPEED                            | 55MHz                                                                                                   |
| SERIES                           | SAM7X                                                                                                   |
| RAM SIZE                         | 128K x 8                                                                                                |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                   |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                        |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                              |
| PACKAGING                        | Tray                                                                                                    |
| PACKAGE / CASE                   | 100-TFBGA                                                                                               |
| OTHER NAMES                      | AT91SAM7X512CU                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                       |
| NUMBER OF I/O                    | 62                                                                                                      |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                              |
| EEPROM SIZE                      | -                                                                                                       |
| DETAILED DESCRIPTION             | ARM7® SAM7X Microcontroller IC 16/32-Bit 55MHz 512KB (512K x 8) FLASH 100-TFBGA (9x9)                   |
| DATA CONVERTERS                  | A/D 8x10b                                                                                               |
| CORE SIZE                        | 16/32-Bit                                                                                               |
| CORE PROCESSOR                   | ARM7®                                                                                                   |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, SPI, SSC, UART/USART, USB                                                        |
| BASE PART NUMBER                 | AT91SAM7X512                                                                                            |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology AT91SAM7X512-CU | AT91SAM7X512-CU Distributor            | AT91SAM7X512-CU Supplier                               |
| AT91SAM7X512-CU Price                         | AT91SAM7X512-CU Pictures               | AT91SAM7X512-CU Image                                  |
| AT91SAM7X512-CU PDF Datasheet                 | AT91SAM7X512-CU Download Datasheet     | AT91SAM7X512-CU Datasheet                              |
| AT91SAM7X512-CU Stock                         | Buy AT91SAM7X512-CU                    | Buy Micrel / Microchip Technology AT91SAM7X512-CU      |
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| Micrel / Microchip Technology AT91SAM7X512-CU | Microchip Technology AT91SAM7X512-CU   | Roving Networks / Microchip Technology AT91SAM7X512-CU |

Related Products

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| <div></div> <div><b>AT91SAM7X256C-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: 9901 pcs<br/><div>RFQ</div></div>             | <div></div> <div><b>AT91SAM7XC-EK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: KIT EVAL FOR AT91SAM7XC256/128<br/>In stock: 4039 pcs<br/><div>RFQ</div></div>                |
| <div>MICROCHIP</div> <div><b>AT91SAM7X256C-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: 10747 pcs<br/><div>RFQ</div></div>            | <div>MICROCHIP</div> <div><b>AT91SAM7X512-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 4265 pcs<br/><div>RFQ</div></div>   |
| <div>MICROCHIP</div> <div><b>AT91SAM7X256C-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br/>In stock: 13459 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>AT91SAM7X512B-CUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100BGA<br/>In stock: 7926 pcs<br/><div>RFQ</div></div>           |
| <div>MICROCHIP</div> <div><b>AT91SAM7XC128-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 3919 pcs<br/><div>RFQ</div></div>    | <div>MICROCHIP</div> <div><b>AT91SAM7X512B-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 7936 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>AT91SAM7X256C-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: 8132 pcs<br/><div>RFQ</div></div>              | <div>MICROCHIP</div> <div><b>AT91SAM7X512B-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 6693 pcs<br/><div>RFQ</div></div>  |
| <div>MICROCHIP</div> <div><b>AT91SAM7X512-AU-999</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 5057 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>AT91SAM7X512B-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100BGA<br/>In stock: 6789 pcs<br/><div>RFQ</div></div>            |