



Micrel / Microchip Technology



AT91SAM7X512B-AUR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | AT91SAM7X512B-AUR                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 512KB FLASH 100LQFP                                                                             |
| Datasheets:         |  1.AT91SAM7X512B-AUR.pdf    |
|                     |  2.AT91SAM7X512B-AUR.pdf    |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 7936 pcs stock                                                                                               |
| 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 AT91SAM7X512B-AUR

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | AT91SAM7X512B-AUR                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                               |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100LQFP                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| QUANTITY AVAILABLE               | 7936 pcs                                                                                                    |
| DATA SHEET                       |  1.AT91SAM7X512B-AUR.pdf |
|                                  |  2.AT91SAM7X512B-AUR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.65 V ~ 1.95 V                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                            |
| 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                        | Tape & Reel (TR)                                                                                            |
| PACKAGE / CASE                   | 100-LQFP                                                                                                    |
| OTHER NAMES                      | AT91SAM7X512B-AURTR                                                                                         |
| 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-LQFP (14x14)                      |
| 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 AT91SAM7X512B-AUR | AT91SAM7X512B-AUR Distributor          | AT91SAM7X512B-AUR Supplier                               |
| AT91SAM7X512B-AUR Price                         | AT91SAM7X512B-AUR Pictures             | AT91SAM7X512B-AUR Image                                  |
| AT91SAM7X512B-AUR PDF Datasheet                 | AT91SAM7X512B-AUR Download Datasheet   | AT91SAM7X512B-AUR Datasheet                              |
| AT91SAM7X512B-AUR Stock                         | Buy AT91SAM7X512B-AUR                  | Buy Micrel / Microchip Technology AT91SAM7X512B-AUR      |
| Micrel / Microchip Technology AT91SAM7X512B-AUR | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor                |
| Micrel / Microchip Technology AT91SAM7X512B-AUR | Microchip Technology AT91SAM7X512B-AUR | Roving Networks / Microchip Technology AT91SAM7X512B-AUR |

Related Products

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| <div></div> <div><b>AT91SAM7X512-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 4265 pcs</div> <div>RFQ</div>     | <div></div> <div><b>AT91SAM7X256C-CUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 32BIT 256KB FLASH 100BGA<br/>In stock: 10747 pcs</div> <div>RFQ</div>             |
| <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</div> <div>RFQ</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</div> <div>RFQ</div>      |
| <div></div> <div><b>AT91SAM7X512-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100BGA<br/>In stock: 3962 pcs</div> <div>RFQ</div>      | <div></div> <div><b>AT91SAM7XC128-AU-999</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 3004 pcs</div> <div>RFQ</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</div> <div>RFQ</div>    | <div></div> <div><b>AT91SAM7XC128-CU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 100BGA<br/>In stock: 4538 pcs</div> <div>RFQ</div>      |
| <div></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</div> <div>RFQ</div> | <div></div> <div><b>AT91SAM7XC128-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 3919 pcs</div> <div>RFQ</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</div> <div>RFQ</div>         | <div></div> <div><b>AT91SAM7X512B-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 6693 pcs</div> <div>RFQ</div>     |