



AT90USB646-MU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | AT90USB646-MU                                                                                                |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 64KB FLASH 64QFN                                                                                 |
| Datasheets:         | <a href="#">1.AT90USB646-MU.pdf</a><br><a href="#">2.AT90USB646-MU.pdf</a>                                   |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 14608 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

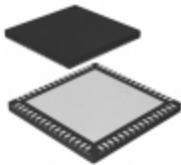
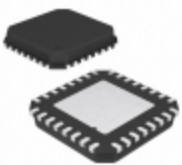
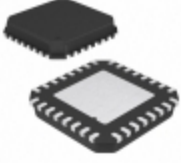
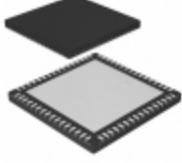
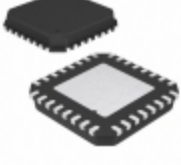
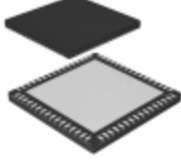
Specifications of AT90USB646-MU

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| PART NUMBER                      | AT90USB646-MU                                                                   |
| MANUFACTURER                     | Micrel / Microchip Technology                                                   |
| DESCRIPTION                      | IC MCU 8BIT 64KB FLASH 64QFN                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                      |
| QUANTITY AVAILABLE               | 14608 pcs                                                                       |
| DATA SHEET                       | <a href="#">1.AT90USB646-MU.pdf</a><br><a href="#">2.AT90USB646-MU.pdf</a>      |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                   |
| SUPPLIER DEVICE PACKAGE          | 64-QFN (9x9)                                                                    |
| SPEED                            | 16MHz                                                                           |
| SERIES                           | AVR® 90USB                                                                      |
| RAM SIZE                         | 4K x 8                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                           |
| PROGRAM MEMORY SIZE              | 64KB (64K x 8)                                                                  |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                           |
| PACKAGING                        | Tray                                                                            |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                            |
| OTHER NAMES                      | AT90USB646-16MU<br>AT90USB646-16MU-ND<br>AT90USB646MU                           |
| OSCILLATOR TYPE                  | Internal                                                                        |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                               |
| NUMBER OF I/O                    | 48                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                      |
| EEPROM SIZE                      | 2K x 8                                                                          |
| DETAILED DESCRIPTION             | AVR AVR® 90USB Microcontroller IC 8-Bit 16MHz 64KB (64K x 8) FLASH 64-QFN (9x9) |
| DATA CONVERTERS                  | A/D 8x10b                                                                       |
| CORE SIZE                        | 8-Bit                                                                           |
| CORE PROCESSOR                   | AVR                                                                             |
| CONNECTIVITY                     | EBI/EMI, I²C, SPI, UART/USART, USB, USB OTG                                     |
| BASE PART NUMBER                 | AT90USB646                                                                      |

Related Tags

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology AT90USB646-MU | AT90USB646-MU Distributor              | AT90USB646-MU Supplier                               |
| AT90USB646-MU Price                         | AT90USB646-MU Pictures                 | AT90USB646-MU Image                                  |
| AT90USB646-MU PDF Datasheet                 | AT90USB646-MU Download Datasheet       | AT90USB646-MU Datasheet                              |
| AT90USB646-MU Stock                         | Buy AT90USB646-MU                      | Buy Micrel / Microchip Technology AT90USB646-MU      |
| Micrel / Microchip Technology AT90USB646-MU | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology AT90USB646-MU | Microchip Technology AT90USB646-MU     | Roving Networks / Microchip Technology AT90USB646-MU |

Related Products

|                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                             |
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| <div></div> <div><b>AT90USB646-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 13446 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>AT90USB162-16MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 32VQFN<br/>In stock: 39726 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>AT90USB162-16MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 32VQFN<br/>In stock: 45528 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>AT90USB647-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 18419 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>AT90USB82-16MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32VQFN<br/>In stock: 33140 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>AT90USB162-16AUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 32TQFP<br/>In stock: 39520 pcs<br/><div>RFQ</div></div>         |
| <div></div> <div><b>AT90USB162-16MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 16KB FLASH 32VQFN<br/>In stock: 42376 pcs<br/><div>RFQ</div></div>          | <div></div> <div><b>AT90USB647-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 13842 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>AT90USB647-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 11945 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>AT90USB646-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 15541 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>AT90USB647-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 14701 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>AT90USB646-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64TQFP<br/>In stock: 14234 pcs<br/><div>RFQ</div></div>   |