



Micrel / Microchip Technology

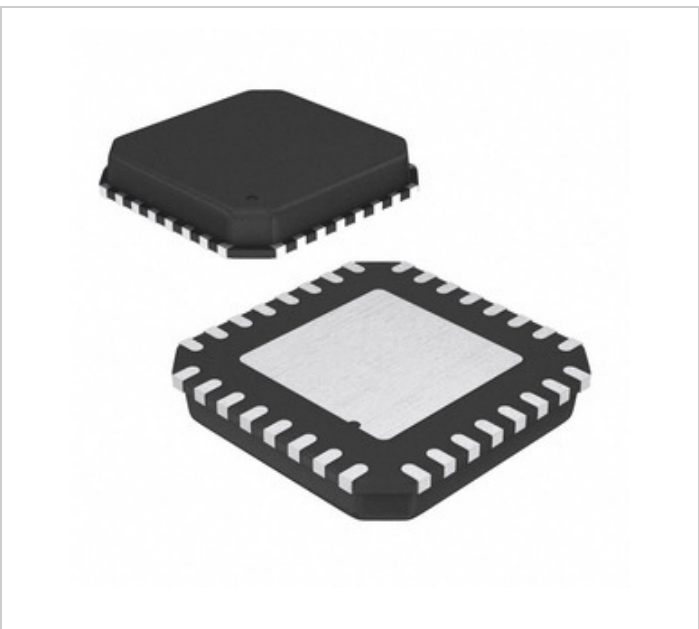


Image may be representation. See specifications for product details.

AT90USB82-16MU

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | AT90USB82-16MU                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 8KB FLASH 32VQFN                                                                                 |
|                     |  1.AT90USB82-16MU.pdf       |
|                     |  2.AT90USB82-16MU.pdf       |
| Datasheets:         |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Stock Condition     | 33140 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

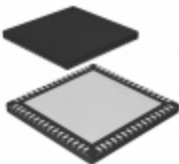
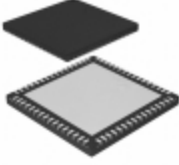
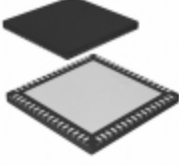
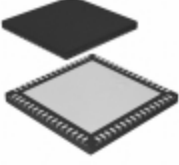
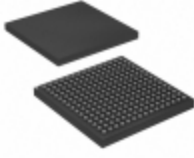
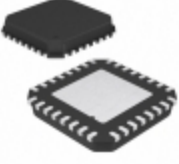
Specifications of AT90USB82-16MU

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | AT90USB82-16MU                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 32VQFN                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 33140 pcs                                                                                                                                                                                                            |
| DATA SHEET                       |  1.AT90USB82-16MU.pdf<br> 2.AT90USB82-16MU.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 32-VQFN (5x5)                                                                                                                                                                                                        |
| SPEED                            | 16MHz                                                                                                                                                                                                                |
| SERIES                           | AVR® 90USB                                                                                                                                                                                                           |
| RAM SIZE                         | 512 x 8                                                                                                                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 8KB (8K x 8)                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                                                                                                                                                 |
| OTHER NAMES                      | AT90USB8216MU                                                                                                                                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 22                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                           |
| EEPROM SIZE                      | 512 x 8                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | AVR AVR® 90USB Microcontroller IC 8-Bit 16MHz 8KB (8K x 8) FLASH 32-VQFN (5x5)                                                                                                                                       |
| DATA CONVERTERS                  | -                                                                                                                                                                                                                    |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                                  |
| CONNECTIVITY                     | EBI/EMI, PS/2, SPI, UART/USART, USB                                                                                                                                                                                  |
| BASE PART NUMBER                 | AT90USB82                                                                                                                                                                                                            |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology AT90USB82-16MU | AT90USB82-16MU Distributor             | AT90USB82-16MU Supplier                               |
| AT90USB82-16MU Price                         | AT90USB82-16MU Pictures                | AT90USB82-16MU Image                                  |
| AT90USB82-16MU PDF Datasheet                 | AT90USB82-16MU Download Datasheet      | AT90USB82-16MU Datasheet                              |
| AT90USB82-16MU Stock                         | Buy AT90USB82-16MU                     | Buy Micrel / Microchip Technology AT90USB82-16MU      |
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Related Products

|                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                   |
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|  <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><b>AT90USBKEY2</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: KIT DEMO FOR AT90USB<br/>In stock: 3481 pcs<br/><div>RFQ</div></div>                |
|  <div><b>AT90USB646-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 64KB FLASH 64QFN<br/>In stock: 14608 pcs<br/><div>RFQ</div></div>     |  <div><b>AT90USB82-16MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32VQFN<br/>In stock: 37699 pcs<br/><div>RFQ</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><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><b>AT91CAP7A-NA-STK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: KIT STARTER CAP7 W/ALTERA FPGA<br/>In stock: 4658 pcs<br/><div>RFQ</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><b>AT91CAP7A-STK</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: KIT STARTER FOR CAP CUSTOM MCU<br/>In stock: 2882 pcs<br/><div>RFQ</div></div>    |  <div><b>AT91CAP7E-NA-ZJ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 256KB ROM 225LFBGA<br/>In stock: 4692 pcs<br/><div>RFQ</div></div> |
|  <div><b>AT90USB82-16MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32VQFN<br/>In stock: 63815 pcs<br/><div>RFQ</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>   |