



ATMEGA8-16AI

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA8-16AI                                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 8BIT 8KB FLASH 32TQFP                                                                                         |
|                     |  1.ATMEGA8-16AI.pdf                 |
|                     |  2.ATMEGA8-16AI.pdf                 |
| Datasheets:         |                                                                                                                      |
| RoHS Status         |  Contains lead / RoHS non-compliant |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

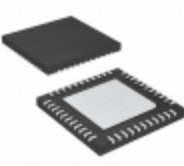
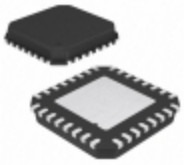
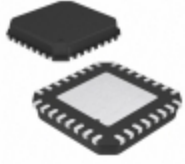
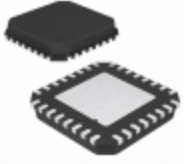
Specifications of ATMEGA8-16AI

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA8-16AI                                                                                                                                                                                                     |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                    |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 32TQFP                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                               |
| DATA SHEET                       |  1.ATMEGA8-16AI.pdf<br> 2.ATMEGA8-16AI.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.5 V ~ 5.5 V                                                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 32-TQFP (7x7)                                                                                                                                                                                                    |
| SPEED                            | 16MHz                                                                                                                                                                                                            |
| SERIES                           | AVR® ATmega                                                                                                                                                                                                      |
| RAM SIZE                         | 1K x 8                                                                                                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 8KB (4K x 16)                                                                                                                                                                                                    |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                            |
| PACKAGING                        | Tray                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 32-TQFP                                                                                                                                                                                                          |
| OTHER NAMES                      | ATMEGA816AI                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                |
| NUMBER OF I/O                    | 23                                                                                                                                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                               |
| EEPROM SIZE                      | 512 x 8                                                                                                                                                                                                          |
| DETAILED DESCRIPTION             | AVR AVR® ATmega Microcontroller IC 8-Bit 16MHz 8KB (4K x 16) FLASH 32-TQFP (7x7)                                                                                                                                 |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                        |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                            |
| CORE PROCESSOR                   | AVR                                                                                                                                                                                                              |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                             |
| BASE PART NUMBER                 | ATMEGA8                                                                                                                                                                                                          |

Related Tags

|                                            |                                        |                                                     |
|--------------------------------------------|----------------------------------------|-----------------------------------------------------|
| Micrel / Microchip Technology ATMEGA8-16AI | ATMEGA8-16AI Distributor               | ATMEGA8-16AI Supplier                               |
| ATMEGA8-16AI Price                         | ATMEGA8-16AI Pictures                  | ATMEGA8-16AI Image                                  |
| ATMEGA8-16AI PDF Datasheet                 | ATMEGA8-16AI Download Datasheet        | ATMEGA8-16AI Datasheet                              |
| ATMEGA8-16AI Stock                         | Buy ATMEGA8-16AI                       | Buy Micrel / Microchip Technology ATMEGA8-16AI      |
| Micrel / Microchip Technology ATMEGA8-16AI | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor           |
| Micrel / Microchip Technology ATMEGA8-16AI | Microchip Technology ATMEGA8-16AI      | Roving Networks / Microchip Technology ATMEGA8-16AI |

Related Products

|                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                |
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| <div></div> <div><b>ATMEGA64RZAV-10AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 44-TQFP<br/>In stock: 128 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>ATMEGA64RZAV-10MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 44-VFQFN<br/>In stock: 142 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>ATMEGA64RZAPV-10AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 44-TQFP<br/>In stock: 154 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATMEGA8-16MI</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 44-VFQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
| <div></div> <div><b>ATMEGA8-16AC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>        | <div></div> <div><b>ATMEGA8-16AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>       |
| <div></div> <div><b>ATMEGA64RZAPV-10MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 44-TQFP<br/>In stock: 235 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>ATMEGA8-16AJ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>        |
| <div></div> <div><b>ATMEGA64RZAV-10PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC RF TXRX+MCU 802.15.4 40-DIP<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>ATMEGA8-16AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>        |
| <div></div> <div><b>ATMEGA8-16MC</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>        | <div></div> <div><b>ATMEGA8-16MJ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>        |