



Micrel / Microchip Technology

## ATMEGA88-15AT1

|                      |                                    |
|----------------------|------------------------------------|
| Part Number:         | ATMEGA88-15AT1                     |
| Manufacturer/Brand:  | Micrel / Microchip Technology      |
| Product description: | IC MCU 8BIT 8KB FLASH 32TQFP       |
| Datasheets:          | <a href="#">ATMEGA88-15AT1.pdf</a> |
| RoHS Status:         | Lead free / RoHS Compliant         |
| Stock Condition:     | 6002 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 ATMEGA88-15AT1

|                                  |  |
|----------------------------------|--|
| PART NUMBER                      | ATMEGA88-15AT1   |
| MANUFACTURER                     | Micrel / Microchip Technology  |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 32TQFP   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| QUANTITY AVAILABLE               | 6002 pcs   |
| DATA SHEET                       | <a href="#">ATMEGA88-15AT1.pdf</a>   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V  |
| SUPPLIER DEVICE PACKAGE          | 32-TQFP (7x7)  |
| SPEED                            | 16MHz  |
| SERIES                           | Automotive, AEC-Q100, 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                        | Cut Tape (CT)  |
| PACKAGE / CASE                   | 32-TQFP  |
| OTHER NAMES                      | ATMEGA88-15AT1CT   |
| OSCILLATOR TYPE                  | Internal   |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)   |
| NUMBER OF I/O                    | 23   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant   |
| EEPROM SIZE                      | 512 x 8  |
| DETAILED DESCRIPTION             | AVR Automotive, AEC-Q100, 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                     | I <sup>2</sup> C, SPI, UART/USART  |
| BASE PART NUMBER                 | ATMEGA88   |

### Related Tags

|  |  |   |
|--|--|---|
| Micrel / Microchip Technology ATMEGA88-15AT1 | ATMEGA88-15AT1 Distributor             | ATMEGA88-15AT1 Supplier                               |
| ATMEGA88-15AT1 Price                         | ATMEGA88-15AT1 Pictures                | ATMEGA88-15AT1 Image                                  |
| ATMEGA88-15AT1 PDF Datasheet                 | ATMEGA88-15AT1 Download Datasheet      | ATMEGA88-15AT1 Datasheet                              |
| ATMEGA88-15AT1 Stock                         | Buy ATMEGA88-15AT1                     | Buy Micrel / Microchip Technology ATMEGA88-15AT1      |
| Micrel / Microchip Technology ATMEGA88-15AT1 | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology ATMEGA88-15AT1 | Microchip Technology ATMEGA88-15AT1    | Roving Networks / Microchip Technology ATMEGA88-15AT1 |

### Related Products

|   |  |
|---|--|
| <p><b>ATMEGA88-15AD</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 3028 pcs</p> <p><b>RFQ</b></p>   | <p><b>ATMEGA88-15AD</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 13897 pcs</p> <p><b>RFQ</b></p>          |
| <p><b>ATMEGA8535L-8PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 40DIP<br/>In stock: 37023 pcs</p> <p><b>RFQ</b></p> | <p><b>ATMEGA88-15MT1</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 15841 pcs</p> <p><b>RFQ</b></p> |
| <p><b>ATMEGA88-15AZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 4540 pcs</p> <p><b>RFQ</b></p>   | <p><b>ATMEGA88-15MT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 5186 pcs</p> <p><b>RFQ</b></p>   |
| <p><b>ATMEGA88-15MT2</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 13697 pcs</p> <p><b>RFQ</b></p>           | <p><b>ATMEGA88-15MZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 5237 pcs</p> <p><b>RFQ</b></p>   |
| <p><b>ATMEGA88-15MT2</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32QFN<br/>In stock: 5526 pcs</p> <p><b>RFQ</b></p>   | <p><b>ATMEGA88-15AT1</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 4224 pcs</p> <p><b>RFQ</b></p>          |
| <p><b>ATMEGA88-15AT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 32TQFP<br/>In stock: 6915 pcs</p> <p><b>RFQ</b></p>   | <p><b>ATMEGA8535L-8PJ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 8KB FLASH 40DIP<br/>In stock: 3789 pcs</p> <p><b>RFQ</b></p> |