

ATMEGA88-15AT





Part Number: [ATMEGA88-15AT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 8KB FLASH 32TQFP

Data sheet:  [ATMEGA48/88/168 Auto Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

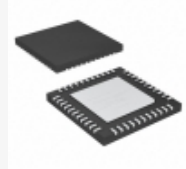
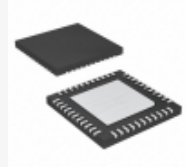
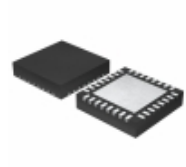
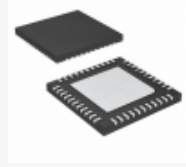
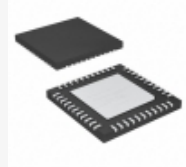
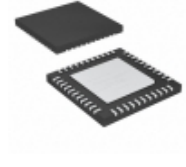
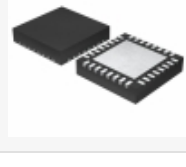
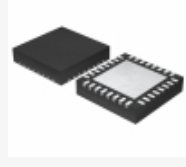
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                        |                                  |                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATMEGA88-15AT                                                                                          | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 8BIT 8KB FLASH 32TQFP                                                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5752 pcs                                                                                               | Data sheet                       | <a href="#">ATMEGA48/88/168 Auto Datasheet</a>     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</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                        | Tape & Reel (TR)                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 32-TQFP                                                                                                | Other Names                      | ATMEGA88-15AT-ND<br>ATMEGA88-15ATT<br>ATMEGA8815AT |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | I²C, SPI, UART/USART                                                                                   | Base Part Number                 | ATMEGA88                                           |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATMEGA88-20AU</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8PU</a><br>Description: IC MCU 8BIT 8KB FLASH 40DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-15AD</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8MU</a><br>Description: IC MCU 8BIT 8KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8PJ</a><br>Description: IC MCU 8BIT 8KB FLASH 40DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8MJ</a><br>Description: IC MCU 8BIT 8KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-15AT1</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-20AUR</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-15MZ</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8MI</a><br>Description: IC MCU 8BIT 8KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-20AJ</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-20AI</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-15AZ</a><br>Description: IC MCU 8BIT 8KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8MUR</a><br>Description: IC MCU 8BIT 8KB FLASH 44VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8MC</a><br>Description: IC MCU 8BIT 8KB FLASH 44VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-15MT</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8PC</a><br>Description: IC MCU 8BIT 8KB FLASH 40DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-15MT2</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA8535L-8PI</a><br>Description: IC MCU 8BIT 8KB FLASH 40DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA88-15MT1</a><br>Description: IC MCU 8BIT 8KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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