



Micrel / Microchip Technology

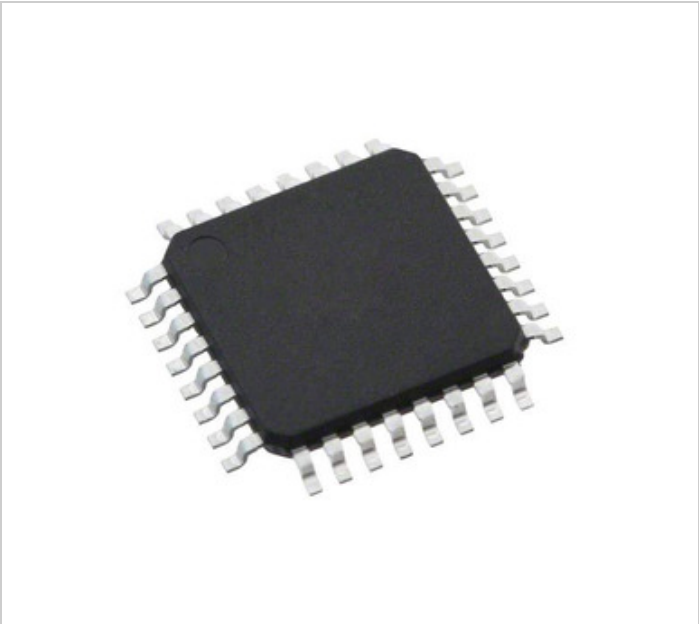


Image may be representation. See specifications for product details.

ATMEGA48-15AT

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA48-15AT                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                       |
| Product description | IC MCU 8BIT 4KB FLASH 32TQFP                                                                                        |
| Datasheets:         |  <a href="#">ATMEGA48-15AT.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

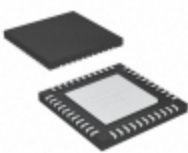
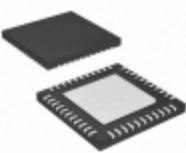
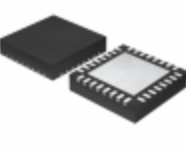
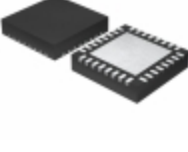
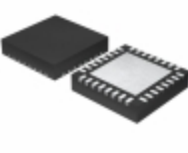
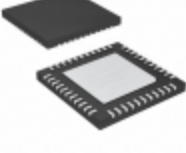
Specifications of ATMEGA48-15AT

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA48-15AT                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                         |
| DESCRIPTION                      | IC MCU 8BIT 4KB FLASH 32TQFP                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| DATA SHEET                       |  <a href="#">ATMEGA48-15AT.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                         | 512 x 8                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                 |
| PROGRAM MEMORY SIZE              | 4KB (2K x 16)                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                 |
| PACKAGING                        | Original-Reel®                                                                                                        |
| PACKAGE / CASE                   | 32-TQFP                                                                                                               |
| OTHER NAMES                      | ATMEGA48-15ATDKR                                                                                                      |
| 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                      | 256 x 8                                                                                                               |
| DETAILED DESCRIPTION             | AVR Automotive, AEC-Q100, AVR® ATmega Microcontroller IC 8-Bit 16MHz 4KB (2K 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                 | ATMEGA48                                                                                                              |

Related Tags

|                                             |                                        |                                                      |
|---------------------------------------------|----------------------------------------|------------------------------------------------------|
| Micrel / Microchip Technology ATMEGA48-15AT | ATMEGA48-15AT Distributor              | ATMEGA48-15AT Supplier                               |
| ATMEGA48-15AT Price                         | ATMEGA48-15AT Pictures                 | ATMEGA48-15AT Image                                  |
| ATMEGA48-15AT PDF Datasheet                 | ATMEGA48-15AT Download Datasheet       | ATMEGA48-15AT Datasheet                              |
| ATMEGA48-15AT Stock                         | Buy ATMEGA48-15AT                      | Buy Micrel / Microchip Technology ATMEGA48-15AT      |
| Micrel / Microchip Technology ATMEGA48-15AT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor            |
| Micrel / Microchip Technology ATMEGA48-15AT | Microchip Technology ATMEGA48-15AT     | Roving Networks / Microchip Technology ATMEGA48-15AT |

Related Products

|                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>ATMEGA32U4-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>ATMEGA32U4RC-MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>ATMEGA48-15AZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>     |  <div><b>ATMEGA48-15MZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>     |
|  <div><b>ATMEGA48-15MT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>      |  <div><b>ATMEGA48-15AZV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>ATMEGA32U4RC-AUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>ATMEGA48-15AT1</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>ATMEGA48-15MT1</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>     |  <div><b>ATMEGA32U4RC-MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>ATMEGA32U4RC-AU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>ATMEGA406-1AAU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 40KB FLASH 48LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |