



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

ATMEGA48PA-15MZ

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | ATMEGA48PA-15MZ                                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                         |
| Product description | IC MCU 8BIT 4KB FLASH 32QFN                                                                                           |
| Datasheets:         |  <a href="#">ATMEGA48PA-15MZ.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant          |
| Ship From           | Hong Kong                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                 |

REQUEST FOR QUOTATION

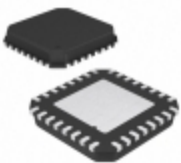
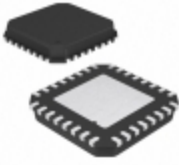
Specifications of ATMEGA48PA-15MZ

|                                  |                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | ATMEGA48PA-15MZ                                                                                                         |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                           |
| DESCRIPTION                      | IC MCU 8BIT 4KB FLASH 32QFN                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                              |
| DATA SHEET                       |  <a href="#">ATMEGA48PA-15MZ.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.5 V                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 32-QFN (5x5)                                                                                                            |
| 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                        | Cut Tape (CT)                                                                                                           |
| PACKAGE / CASE                   | 32-VFQFN Exposed Pad                                                                                                    |
| OTHER NAMES                      | ATMEGA48PA-15MZCT                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                |
| OPERATING TEMPERATURE            | -40°C ~ 125°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-QFN (5x5)                   |
| 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 ATMEGA48PA-15MZ | ATMEGA48PA-15MZ Distributor            | ATMEGA48PA-15MZ Supplier                               |
| ATMEGA48PA-15MZ Price                         | ATMEGA48PA-15MZ Pictures               | ATMEGA48PA-15MZ Image                                  |
| ATMEGA48PA-15MZ PDF Datasheet                 | ATMEGA48PA-15MZ Download Datasheet     | ATMEGA48PA-15MZ Datasheet                              |
| ATMEGA48PA-15MZ Stock                         | Buy ATMEGA48PA-15MZ                    | Buy Micrel / Microchip Technology ATMEGA48PA-15MZ      |
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Related Products

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|  <div><b>ATMEGA48P-20MUR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>ATMEGA48PA-AUR</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>ATMEGA48PA-ANR</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>ATMEGA48PA-AN</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>ATMEGA48PA-15AZ</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>          |  <div><b>ATMEGA48P-20MUR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br/>In stock: 67 pcs<br/><div>RFQ</div></div>             |
|  <div><b>ATMEGA48P-20PU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 28DIP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>ATMEGA48PA-AU</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>ATMEGA48PA-ANR</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32TQFP<br/>In stock: 573 pcs<br/><div>RFQ</div></div>             |  <div><b>ATMEGA48PA-CCU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32UFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>ATMEGA48PA-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>ATMEGA48P-20MU</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 4KB FLASH 32VQFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  |