




Micrel / Microchip Technology

## ATMEGA48PA-MU

Part Number:	ATMEGA48PA-MU
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 8BIT 4KB FLASH 32VQFN <a href="#">PDF</a> 1.ATMEGA48PA-MU.pdf <a href="#">PDF</a> 2.ATMEGA48PA-MU.pdf
Datasheets:	<a href="#">PDF</a> 1.ATMEGA48PA-MU.pdf <a href="#">PDF</a> 2.ATMEGA48PA-MU.pdf
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

[REQUEST FOR QUOTATION](#)

Image may be representation. See specifications for product details.



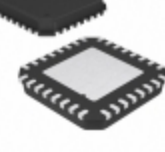

### Specifications of ATMEGA48PA-MU

PART NUMBER	ATMEGA48PA-MU
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 8BIT 4KB FLASH 32VQFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">PDF</a> 1.ATMEGA48PA-MU.pdf <a href="#">PDF</a> 2.ATMEGA48PA-MU.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	32-VQFN (5x5)
SPEED	20MHz
SERIES	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	Tray
PACKAGE / CASE	32-VFQFN Exposed Pad
OTHER NAMES	ATMEGA48PAMU
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	23
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
MANUFACTURER STANDARD LEAD TIME	6 Weeks
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	256 x 8
DETAILED DESCRIPTION	AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 4KB (2K x 16) FLASH 32-VQFN (5x5)
DATA CONVERTERS	A/D 8x10b
CORE SIZE	8-Bit
CORE PROCESSOR	AVR
CONNECTIVITY	I <sup>2</sup> C, SPI, UART/USART
BASE PART NUMBER	ATMEGA48

### Related Tags

Micrel / Microchip Technology ATMEGA48PA-MU	ATMEGA48PA-MU Distributor	ATMEGA48PA-MU Supplier
ATMEGA48PA-MU Price	ATMEGA48PA-MU Pictures	ATMEGA48PA-MU Image
ATMEGA48PA-MU PDF Datasheet	ATMEGA48PA-MU Download Datasheet	ATMEGA48PA-MU Datasheet
ATMEGA48PA-MU Stock	Buy ATMEGA48PA-MU	Buy Micrel / Microchip Technology ATMEGA48PA-MU
Micrel / Microchip Technology ATMEGA48PA-MU	Micrel / Microchip Technology Supplier	Micrel / Microchip Technology Distributor
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### Related Products

 <p><b>ATMEGA48PB-AN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PA-MUR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>ATMEGA48PB-ANR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PA-MNR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  In stock: 302 pcs  <a href="#">RFQ</a></p>
 <p><b>ATMEGA48PA-MMNR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 28VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PA-MMN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 28VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>
 <p><b>ATMEGA48PA-MMNR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 28VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PA-MUR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  In stock: 34 pcs  <a href="#">RFQ</a></p>
 <p><b>ATMEGA48PA-MNR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PA-MN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  In stock: 662 pcs  <a href="#">RFQ</a></p>
 <p><b>ATMEGA48PA-PU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 28DIP                  In stock: 464 pcs  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PA-PN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 28DIP                  In stock: 168 pcs  <a href="#">RFQ</a></p>