




Micrel / Microchip Technology

## ATMEGA48PA-PN

Part Number: ATMEGA48PA-PN  
 Manufacturer/Brand: Micrel / Microchip Technology  
 Product description: IC MCU 8BIT 4KB FLASH 28DIP  
 Datasheets: [1.ATMEGA48PA-PN.pdf](#)  
[2.ATMEGA48PA-PN.pdf](#)  
 RoHS Status:  Lead free / RoHS Compliant  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of ATMEGA48PA-PN

PART NUMBER	ATMEGA48PA-PN
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 8BIT 4KB FLASH 28DIP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.ATMEGA48PA-PN.pdf</a> <a href="#">2.ATMEGA48PA-PN.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	1.8 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	28-PDIP
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	Tube
PACKAGE / CASE	28-DIP (0.300", 7.62mm)
OTHER NAMES	1611-ATMEGA48PA-PN
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	23
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
MANUFACTURER STANDARD LEAD TIME	16 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 28-PDIP
DATA CONVERTERS	A/D 6x10b
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-PN	ATMEGA48PA-PN Distributor	ATMEGA48PA-PN Supplier
ATMEGA48PA-PN Price	ATMEGA48PA-PN Pictures	ATMEGA48PA-PN Image
ATMEGA48PA-PN PDF Datasheet	ATMEGA48PA-PN Download Datasheet	ATMEGA48PA-PN Datasheet
ATMEGA48PA-PN Stock	Buy ATMEGA48PA-PN	Buy Micrel / Microchip Technology ATMEGA48PA-PN
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### Related Products

 <p><b>ATMEGA48PB-AUR</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-AN</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32TQFP                  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>ATMEGA48PB-AUR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32TQFP                  In stock: 845 pcs  <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-MNR</b>                  Manufacturers: Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  In stock: 302 pcs  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PA-MU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  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-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-MNR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32VQFN                  In stock: Out stock  <a href="#">RFQ</a></p>	 <p><b>ATMEGA48PB-AU</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 8BIT 4KB FLASH 32TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>