

ATMEGA168PV-10AN



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Part Number: [ATMEGA168PV-10AN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 32TQFP

Data sheet:  [ATMEGA48/88/168\(P,PV\) Summary](#)  
 [ATMEGA48/88/168\(P,PV\) Complete](#)

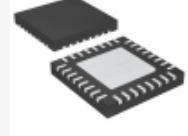
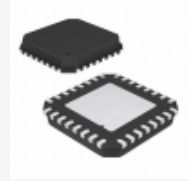
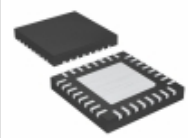
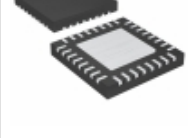
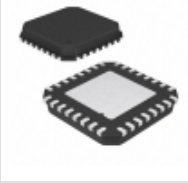
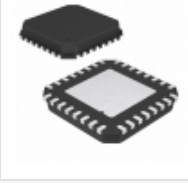
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ATMEGA168PV-10AN                          | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 16KB FLASH 32TQFP             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 37327 pcs                                 | Data sheet                       | <a href="#">ATMEGA48/88/168(P,PV) Summary</a><br><a href="#">ATMEGA48/88/168(P,PV) Complete</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 5.5 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32-TQFP (7x7)                             | Speed                            | 10MHz                                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AVR® ATmega                               | RAM Size                         | 1K x 8                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 16KB (8K x 16)                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tray                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 32-TQFP                                   | Other Names                      | ATMEGA168PV10AN                                                                                 |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 23                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                      |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 512 x 8                                   | Detailed Description             | AVR AVR® ATmega Microcontroller IC 8-Bit 10MHz 16KB (8K x 16) FLASH 32-TQFP (7x7)               |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 8x10b                                 | Core Size                        | 8-Bit                                                                                           |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AVR                                       | Connectivity                     | PC, SPI, UART/USART                                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ATMEGA168                                 |                                  |                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATMEGA168PV-10ANR</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PV-10AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PA-PN</a><br>Description: IC MCU 8BIT 16KB FLASH 28DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168V-10AI</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-AN</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-MN</a><br>Description: IC MCU 8BIT 16KB FLASH 32VFQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PA-PU</a><br>Description: IC MCU 8BIT 16KB FLASH 28DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168V-10MI</a><br>Description: IC MCU 8BIT 16KB FLASH 32VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168V-10AU</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-MU</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-XMINI</a><br>Description: EVAL KIT FOR MEGA168PB        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-ANR</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PV-10MU</a><br>Description: IC MCU 8BIT 16KB FLASH 32VQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168V-10AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PV-10MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 32VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PB-AU</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PV-10AU</a><br>Description: IC MCU 8BIT 16KB FLASH 32TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA168PV-10PU</a><br>Description: IC MCU 8BIT 16KB FLASH 28DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for ATMEGA168PV-10AN

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