

ATMEGA169P-16AU





Part Number: [ATMEGA169P-16AU](#)

Manufacturer [Microchip Technology](#)

Description [IC MCU 8BIT 16KB FLASH 64TQFP](#)

Data sheet:  [ATmega169P,PV Complete](#)

RoHs Status: [Lead free / RoHS Compliant](#)

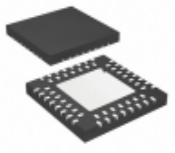
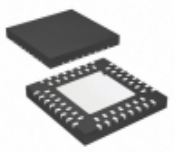
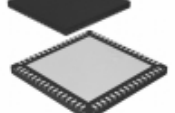
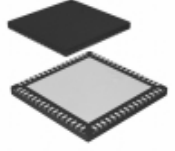
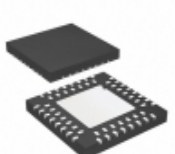
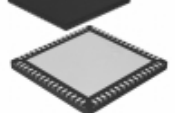
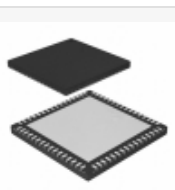
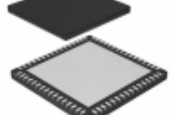
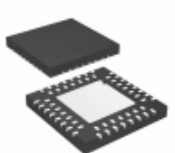
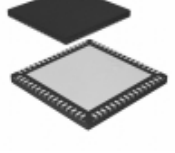
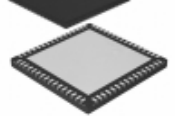
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Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                 |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATMEGA169P-16AU                            | Manufacturer                    | <a href="#">Microchip Technology</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 16KB FLASH 64TQFP              | Lead Free Status / RoHS Status  | <a href="#">Lead free / RoHS Compliant</a>                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25335 pcs                                  | Data sheet                      | <a href="#">ATmega169P,PV Complete</a>                                              |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)      | FLASH                                                                               |
| Voltage - Breakdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-TQFP (14x14)                            | Series                          | AVR® ATmega                                                                         |
| RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tray                                       | Reverse Recovery Time (trr)     | 16MHz                                                                               |
| Requires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, LCD, POR, PWM, WDT | Program Memory Type             | 16KB (8K x 16)                                                                      |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SPI, UART/USART, USI                       | Polarization                    | 64-TQFP                                                                             |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATMEGA169P16AU                             | Oscillator Type                 | A/D 8x10b                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 85°C (TA)                          | Operating System                | AVR                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                              | Manufacturer Standard Lead Time | 15 Weeks                                                                            |
| Manufacturer Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ATMEGA169P-16AU                            | Expanded Description            | AVR AVR® ATmega Microcontroller IC 8-Bit 16MHz 16KB (8K x 16) FLASH 64-TQFP (14x14) |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 16KB FLASH 64TQFP              | Data SRAM Bytes                 | 512 x 8                                                                             |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.7 V ~ 5.5 V                              | Core Size                       | 1K x 8                                                                              |
| Controller Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Internal                                   | Connectivity                    | 8-Bit                                                                               |
| Clock Rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 54                                         |                                 |                                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">ATMEGA169P-16MCU</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169PA-AN</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169A-MCHR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169P-16MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169A-MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169PA-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169P-16AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169L-4AC</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169P-16MCHR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169L-8AI</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169L-8MI</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169P-15AT</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169PA-ANR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169L-4MC</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169P-16MU</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169P-16MCH</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169P-15MT</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169A-MU</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169PA-AU</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ATMEGA169A-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |

|                                               |                                      |                                        |                       |
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