

ATMEGA165P-16MN



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Part Number: [ATMEGA165P-16MN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 64QFN

Data sheet:  [ATMEGA165P,PV Summary](#)  
 [ATMEGA165P,PV Datasheet](#)

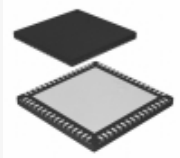
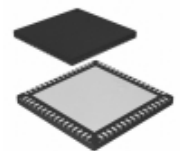
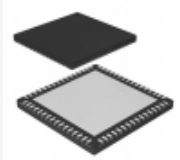
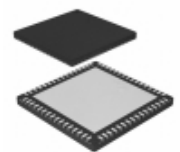
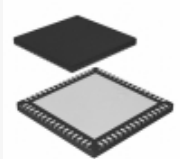
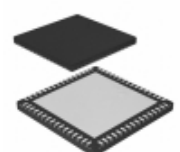
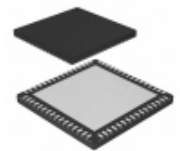
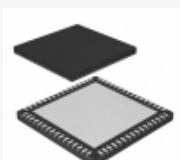
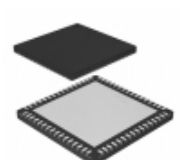
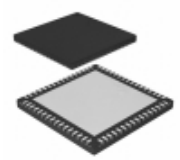
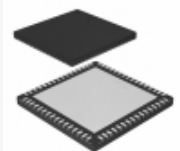
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                  |                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATMEGA165P-16MN                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 16KB FLASH 64QFN              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25541 pcs                                 | Data sheet                       | <a href="#">ATMEGA165P,PV Summary</a><br><a href="#">ATMEGA165P,PV Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 64-QFN (9x9)                              | Speed                            | 16MHz                                                                            |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 64-VFQFN Exposed Pad                      | Other Names                      | ATMEGA165P16MN                                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                               |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 54                                        | 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 16MHz 16KB (8K x 16) FLASH 64-QFN (9x9) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x10b                                 | Core Size                        | 8-Bit                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AVR                                       | Connectivity                     | SPI, UART/USART, USI                                                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ATMEGA165                                 |                                  |                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATMEGA165PA-AN</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165A-MU</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165P-16MU</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165A-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165PA-AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165A-MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165P-16MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165PA-MU</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165PA-MUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165P-16AUR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165P-16ANR</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165PA-AU</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165-16MU</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ATMEGA165A-AU</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165-16MI</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165PA-MN</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165P-16AU</a><br>Description: IC MCU 8BIT 16KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165P-16MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA165PA-MNR</a><br>Description: IC MCU 8BIT 16KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                               |                                      |                                        |                       |
|-----------------------------------------------|--------------------------------------|----------------------------------------|-----------------------|
| Related keywords for <b>ATMEGA165P-16MN</b>   |                                      |                                        |                       |
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| ATMEGA165P-16MN download datasheet            | ATMEGA165P-16MN datasheet            | ATMEGA165P-16MN stock                  | buy ATMEGA165P-16MN   |
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