

PIC24EP512GP202-E/SP



Part Number: [PIC24EP512GP202-E/SP](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 512KB FLASH 28SDIP

Data sheet:  [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x](#)  
 [16-bit Embedded Control Solutions](#)  
 [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Errata](#)

RoHs Status: Lead free / RoHS Compliant

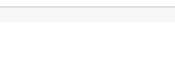
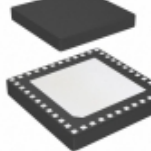
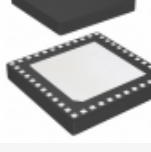
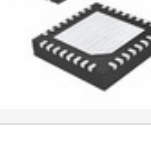
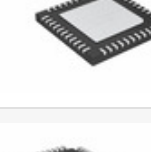
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                  |                                 |                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC24EP512GP202-E/SP                                                             | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 512KB FLASH 28SDIP                                                  | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22816 pcs                                                                        | Data sheet                      | <a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                        | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 3.6 V                                                                                                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 28-SPDIP                                                                         | Speed                           | 60 MIPs                                                                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC® 24EP                                                                        | RAM Size                        | 24K x 16                                                                                                                                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                            | Program Memory Size             | 512KB (170K x 24)                                                                                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                       | Packaging                       | Tube                                                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 28-DIP (0.300", 7.62mm)                                                          | Oscillator Type                 | Internal                                                                                                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 125°C (TA)                                                               | Number of I/O                   | 21                                                                                                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                                                                    | Manufacturer Standard Lead Time | 4 Weeks                                                                                                                                                        |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                       | EEPROM Size                     | -                                                                                                                                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC PIC® 24EP Microcontroller IC 16-Bit 60 MIPs 512KB (170K x 24) FLASH 28-SPDIP | Data Converters                 | A/D 6x10b/12b                                                                                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                           | Core Processor                  | PIC                                                                                                                                                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IPC, IrDA, LINbus, SPI, UART/USART                                               | Base Part Number                | PIC24EP512GP202                                                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC24EP512GP202-H/SO</a><br>Description: IC MCU 16BIT 512KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202T-I/SO</a><br>Description: IC MCU 16BIT 512KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204T-I/MV</a><br>Description: IC MCU 16BIT 32KB FLASH 48UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202-I/SP</a><br>Description: IC MCU 16BIT 512KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202T-I/MM</a><br>Description: IC MCU 16BIT 512KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204-I/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 44VTLA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202-I/SO</a><br>Description: IC MCU 16BIT 512KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202-I/MM</a><br>Description: IC MCU 16BIT 512KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202-E/SO</a><br>Description: IC MCU 16BIT 512KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202T-E/SO</a><br>Description: IC MCU 16BIT 512KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204T-I/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 44VTLA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204T-E/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 44VTLA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204T-E/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202-E/MM</a><br>Description: IC MCU 16BIT 512KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204T-I/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204T-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP512GP202T-E/MM</a><br>Description: IC MCU 16BIT 512KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC24EP512GP202-H/SP</a><br>Description: IC MCU 16BIT 512KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC204T-E/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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|----------------------------------------------------|----------------------------------------------------|-------------------------------------------|----------------------------------------|
| Related keywords for <b>PIC24EP512GP202-E/SP</b>   |                                                    |                                           |                                        |
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