

PIC24EP32MC204-I/ML





Part Number: [PIC24EP32MC204-I/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 32KB FLASH 44QFN

Data sheet:  [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x](#)  
 [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Errata](#)

RoHs Status: Lead free / RoHS Compliant

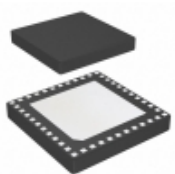
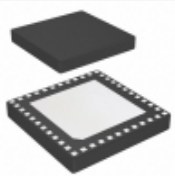
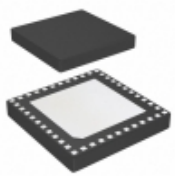
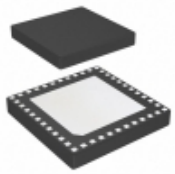
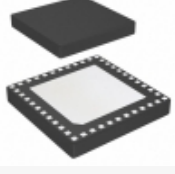
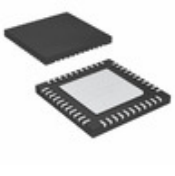
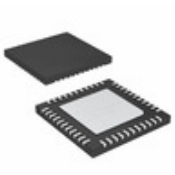
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      |                                 |                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC24EP32MC204-I/ML                                                                  | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 32KB FLASH 44QFN                                                        | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 52362 pcs                                                                            | Data sheet                      | <a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 44-QFN (8x8)                                                                         | Speed                           | 70 MIPS                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PIC® 24EP                                                                            | RAM Size                        | 2K x 16                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                                                | Program Memory Size             | 32KB (10.7K x 24)                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                        | Packaging                       | Tube                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 44-VQFN Exposed Pad                                                                  | Oscillator Type                 | Internal                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 85°C (TA)                                                                    | Number of I/O                   | 35                                                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 (Unlimited)                                                                        | Manufacturer Standard Lead Time | 16 Weeks                                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                                                           | EEPROM Size                     | -                                                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC PIC® 24EP Microcontroller IC 16-Bit 70 MIPS 32KB (10.7K x 24) FLASH 44-QFN (8x8) | Data Converters                 | A/D 9x10b/12b                                                                                             |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16-Bit                                                                               | Core Processor                  | PIC                                                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I <sup>2</sup> C, IrDA, LINbus, QEI, SPI, UART/USART                                 | Base Part Number                | PIC24EP32MC204                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | 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> |
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|  | Part#: <a href="#">PIC24EP32MC204-I/MV</a><br>Description: IC MCU 16BIT 32KB FLASH 48UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC24EP32MC204-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24EP32MC203T-I/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 36VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | 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="#">PIC24EP32MC204-H/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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