

MICROCHIP

Micrel / Microchip Technology

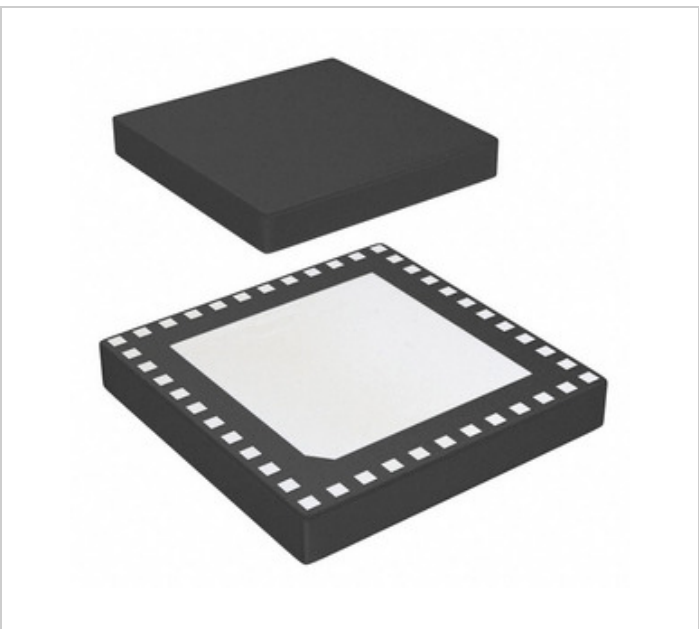


Image may be representation. See specifications for product details.

## PIC24EP512MC204-E/TL

|                     |                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC24EP512MC204-E/TL                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                   |
| Product description | IC MCU 16BIT 512KB FLASH 44VTLA<br> 1.PIC24EP512MC204-E/TL.pdf<br> 2.PIC24EP512MC204-E/TL.pdf<br> 3.PIC24EP512MC204-E/TL.pdf |
| Datasheets:         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                    |
| RoHs Status         | 6761 pcs stock                                                                                                                                                                                                                                                                                                                                                                  |
| Stock Condition     | Hong Kong                                                                                                                                                                                                                                                                                                                                                                       |
| Ship From           | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                           |
| Shipment Way        |                                                                                                                                                                                                                                                                                                                                                                                 |

REQUEST FOR QUOTATION

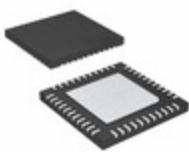
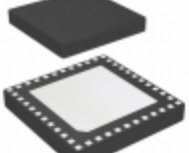
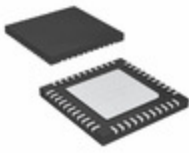
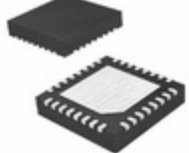
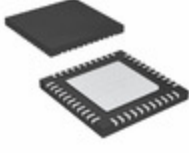
### Specifications of PIC24EP512MC204-E/TL

|                                  |                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC24EP512MC204-E/TL                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 44VTLA                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 6761 pcs                                                                                                                                                                                                                                                                                                                                           |
| DATA SHEET                       |  1.PIC24EP512MC204-E/TL.pdf<br> 2.PIC24EP512MC204-E/TL.pdf<br> 3.PIC24EP512MC204-E/TL.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 44-VTLA (6x6)                                                                                                                                                                                                                                                                                                                                      |
| 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, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                                                                                                                                      |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 44-VFTLA Exposed Pad                                                                                                                                                                                                                                                                                                                               |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                 |
| NUMBER OF I/O                    | 35                                                                                                                                                                                                                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                      |
| 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 44-VTLA (6x6)                                                                                                                                                                                                                                                              |
| DATA CONVERTERS                  | A/D 9x10b/12b                                                                                                                                                                                                                                                                                                                                      |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                             |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                |
| CONNECTIVITY                     | I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                                                                                                                                                                                                                                                            |
| BASE PART NUMBER                 | PIC24EP512MC204                                                                                                                                                                                                                                                                                                                                    |

### Related Tags

|                                                    |                                           |                                                             |
|----------------------------------------------------|-------------------------------------------|-------------------------------------------------------------|
| Micrel / Microchip Technology PIC24EP512MC204-E/TL | PIC24EP512MC204-E/TL Distributor          | PIC24EP512MC204-E/TL Supplier                               |
| PIC24EP512MC204-E/TL Price                         | PIC24EP512MC204-E/TL Pictures             | PIC24EP512MC204-E/TL Image                                  |
| PIC24EP512MC204-E/TL PDF Datasheet                 | PIC24EP512MC204-E/TL Download Datasheet   | PIC24EP512MC204-E/TL Datasheet                              |
| PIC24EP512MC204-E/TL Stock                         | Buy PIC24EP512MC204-E/TL                  | Buy Micrel / Microchip Technology PIC24EP512MC204-E/TL      |
| Micrel / Microchip Technology PIC24EP512MC204-E/TL | Micrel / Microchip Technology Supplier    | Micrel / Microchip Technology Distributor                   |
| Micrel / Microchip Technology PIC24EP512MC204-E/TL | Microchip Technology PIC24EP512MC204-E/TL | Roving Networks / Microchip Technology PIC24EP512MC204-E/TL |

### Related Products

|                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>PIC24EP512MC204-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 44QFN<br/>In stock: 28286 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC24EP512MC204-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 44TQFP<br/>In stock: 4271 pcs<br/><b>RFQ</b></div>  |
|  <div><b>PIC24EP512MC204-H/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 44TQFP<br/>In stock: 17718 pcs<br/><b>RFQ</b></div> |  <div><b>PIC24EP512MC204-H/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 44VTLA<br/>In stock: 21274 pcs<br/><b>RFQ</b></div> |
|  <div><b>PIC24EP512MC204-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 44QFN<br/>In stock: 25126 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC24EP512MC202T-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SOIC<br/>In stock: 4084 pcs<br/><b>RFQ</b></div> |
|  <div><b>PIC24EP512MC202T-I/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28QFN<br/>In stock: 4500 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC24EP512MC204-E/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 48UQFN<br/>In stock: 24084 pcs<br/><b>RFQ</b></div> |
|  <div><b>PIC24EP512MC202T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 28SOIC<br/>In stock: 6324 pcs<br/><b>RFQ</b></div> |  <div><b>PIC24EP512MC204-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 44TQFP<br/>In stock: 28834 pcs<br/><b>RFQ</b></div> |
|  <div><b>PIC24EP512MC204-H/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 44QFN<br/>In stock: 19051 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC24EP512MC204-I/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 48UQFN<br/>In stock: 29281 pcs<br/><b>RFQ</b></div> |