

PIC24EP512GU814T-I/PL



Part Number: [PIC24EP512GU814T-I/PL](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 512KB FLASH 144LQFP

Data sheet:  [dsPIC\(33,24\)EPzzz\(MU,GU\)8xx Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

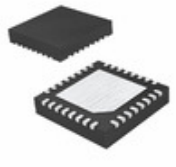
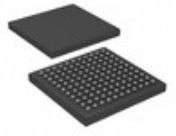
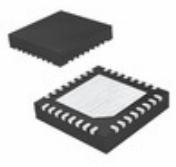
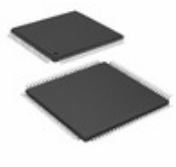
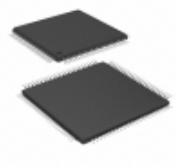
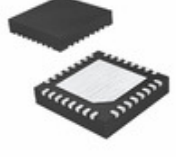
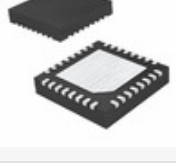
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                          |                                 |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC24EP512GU814T-I/PL                                                                    | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 512KB FLASH 144LQFP                                                         | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10407 pcs                                                                                | Data sheet                      | <a href="#">dsPIC(33,24)EPzzz(MU,GU)8xx Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 3.6 V                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 144-LQFP (20x20)                                                                         | 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                       | Tape & Reel (TR)                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 144-LQFP                                                                                 | Oscillator Type                 | Internal                                              |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                                                                        | Number of I/O                   | 122                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                                                            | Manufacturer Standard Lead Time | 5 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 144-LQFP (20x20) | Data Converters                 | A/D 32x10b/12b                                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-Bit                                                                                   | Core Processor                  | PIC                                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG                                      | Base Part Number                | PIC24EP512GU814                                       |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|
|  | Part#: <a href="#">PIC24EP512GU814-I/PH</a><br>Description: IC MCU 16BIT 512KB FLASH 144TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">PIC24EP512MC202-I/MM</a><br>Description: IC MCU 16BIT 512KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">PIC24EP512GU810T-I/BG</a><br>Description: IC MCU 16BIT 512KB FLASH 121BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
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|  | Part#: <a href="#">PIC24EP512MC202-E/SP</a><br>Description: IC MCU 16BIT 512KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">PIC24EP512GU810-I/PF</a><br>Description: IC MCU 16BIT 512KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">PIC24EP512GU814-E/PH</a><br>Description: IC MCU 16BIT 512KB FLASH 144TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">PIC24EP512GU814T-I/PH</a><br>Description: IC MCU 16BIT 512KB FLASH 144TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">PIC24EP512GU814-E/PL</a><br>Description: IC MCU 16BIT 512KB FLASH 144LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">PIC24EP512MC202-H/SO</a><br>Description: IC MCU 16BIT 512KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
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Related keywords for PIC24EP512GU814T-I/PL

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