



Micrel / Microchip Technology

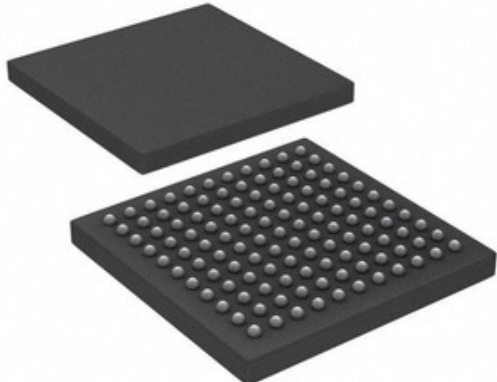


Image may be representation. See specifications for product details.

PIC24EP512GU810T-I/BG

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC24EP512GU810T-I/BG                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                 |
| Product description | IC MCU 16BIT 512KB FLASH 121BGA                                                                               |
|                     |  1.PIC24EP512GU810T-I/BG.pdf |
|                     |  2.PIC24EP512GU810T-I/BG.pdf |
|                     |  3.PIC24EP512GU810T-I/BG.pdf |
| Datasheets:         |                                                                                                               |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 12110 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

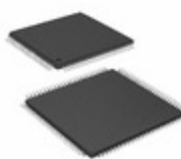
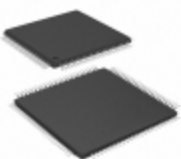
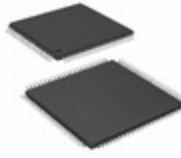
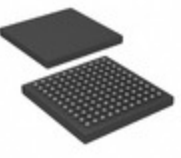
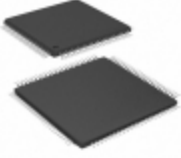
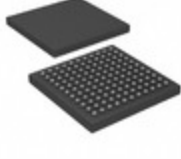
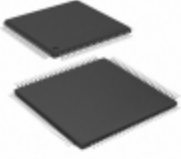
Specifications of PIC24EP512GU810T-I/BG

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC24EP512GU810T-I/BG                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 512KB FLASH 121BGA                                                                                                                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| QUANTITY AVAILABLE               | 12110 pcs                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.PIC24EP512GU810T-I/BG.pdf<br> 2.PIC24EP512GU810T-I/BG.pdf<br> 3.PIC24EP512GU810T-I/BG.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 121-TFBGA (10x10)                                                                                                                                                                                                                                                                                                                                     |
| 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                   | 121-TFBGA                                                                                                                                                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 83                                                                                                                                                                                                                                                                                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                         |
| 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 121-TFBGA (10x10)                                                                                                                                                                                                                                                             |
| 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                 | PIC24EP512GU810                                                                                                                                                                                                                                                                                                                                       |

Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology PIC24EP512GU810T-I/BG | PIC24EP512GU810T-I/BG Distributor          | PIC24EP512GU810T-I/BG Supplier                               |
| PIC24EP512GU810T-I/BG Price                         | PIC24EP512GU810T-I/BG Pictures             | PIC24EP512GU810T-I/BG Image                                  |
| PIC24EP512GU810T-I/BG PDF Datasheet                 | PIC24EP512GU810T-I/BG Download Datasheet   | PIC24EP512GU810T-I/BG Datasheet                              |
| PIC24EP512GU810T-I/BG Stock                         | Buy PIC24EP512GU810T-I/BG                  | Buy Micrel / Microchip Technology PIC24EP512GU810T-I/BG      |
| Micrel / Microchip Technology PIC24EP512GU810T-I/BG | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology PIC24EP512GU810T-I/BG | Microchip Technology PIC24EP512GU810T-I/BG | Roving Networks / Microchip Technology PIC24EP512GU810T-I/BG |

Related Products

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|  <div><b>PIC24EP512GU810T-I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 14026 pcs<br/>RFQ</div> |  <div><b>PIC24EP512GU810-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 11749 pcs<br/>RFQ</div>  |
|  <div><b>PIC24EP512GU810-I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 10132 pcs<br/>RFQ</div>  |  <div><b>PIC24EP512GU810-E/BG</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 121BGA<br/>In stock: 12100 pcs<br/>RFQ</div>   |
|  <div><b>PIC24EP512GU814-E/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 144TQFP<br/>In stock: 8691 pcs<br/>RFQ</div>   |  <div><b>PIC24EP512GU810-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 11184 pcs<br/>RFQ</div>  |
|  <div><b>PIC24EP512GU810-I/BG</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 121BGA<br/>In stock: 10885 pcs<br/>RFQ</div>   |  <div><b>PIC24EP512GU814-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 144TQFP<br/>In stock: 9732 pcs<br/>RFQ</div>   |
|  <div><b>PIC24EP512GU814-E/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br/>In stock: 9064 pcs<br/>RFQ</div>   |  <div><b>PIC24EP512GU810T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 11711 pcs<br/>RFQ</div> |
|  <div><b>PIC24EP512GU810-E/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 100TQFP<br/>In stock: 9635 pcs<br/>RFQ</div>   |  <div><b>PIC24EP512GU814-I/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 512KB FLASH 144LQFP<br/>In stock: 8616 pcs<br/>RFQ</div>   |