

PIC32MZ2048EFG144-E/PH



Part Number: [PIC32MZ2048EFG144-E/PH](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 2MB FLASH 144TQFP

Data sheet:  [PIC32MZ EF Datasheet](#)  
 [PIC32MZ EF Errata](#)  
 [PIC32 Microcontroller Brochure](#)

RoHs Status: Lead free / RoHS Compliant

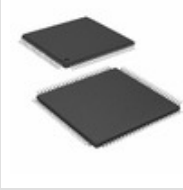
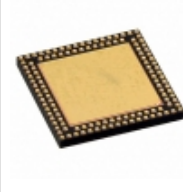
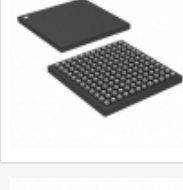
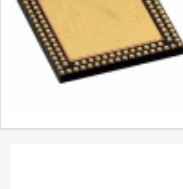
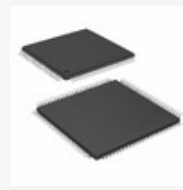
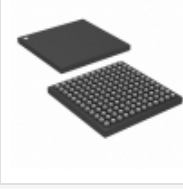
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy PIC32MZ2048EFG144-E/PH with confidence from  
Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                      |                                 |                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC32MZ2048EFG144-E/PH                                                                                               | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 2MB FLASH 144TQFP                                                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7519 pcs                                                                                                             | Data sheet                      | <a href="#">PIC32MZ EF Datasheet</a><br><a href="#">PIC32MZ EF Errata</a><br><a href="#">PIC32 Microcontroller Brochure</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                                            | Voltage - Supply (Vcc/Vdd)      | <a href="#">Brochure</a><br>2.1 V ~ 3.6 V                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 144-TQFP (16x16)                                                                                                     | Speed                           | 180MHz                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Automotive, AEC-Q100, PIC® 32MZ                                                                                      | RAM Size                        | 512K x 8                                                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                                                | Program Memory Size             | 2MB (2M x 8)                                                                                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT                                                         | Packaging                       | Tray                                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 144-TQFP                                                                                                             | Oscillator Type                 | Internal                                                                                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°C (TA)                                                                                                   | Number of I/O                   | 120                                                                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                                                                                        | Manufacturer Standard Lead Time | 8 Weeks                                                                                                                     |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                                                           | EEPROM Size                     | -                                                                                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MIPS32® M-Class Automotive, AEC-Q100, PIC® 32MZ Microcontroller IC 32-Bit 180MHz 2MB (2M x 8) FLASH 144-TQFP (16x16) | Data Converters                 | A/D 48x12b                                                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-Bit                                                                                                               | Core Processor                  | MIPS32® M-Class                                                                                                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EBI/EMI, Ethernet, I <sup>2</sup> C, PMP, SPI, SQI, UART/USART, USB OTG                                              | Base Part Number                | PIC32MZ2048                                                                                                                 |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 7519 pieces of Micrel / Microchip Technology PIC32MZ2048EFG144-E/PH in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                                                      |                                 |                                                                                                                             |

| RELATED PRODUCTS                                                                   |                                                                                                  |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC32MZ2048EFG144-I/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG100T-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG100T-I/PF</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144T-I/PH</a><br>Description: IC MCU 32BIT 2MB FLASH 144TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG124-E/TL</a><br>Description: IC MCU 32BIT 2MB FLASH 124VTLA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG100-E/PF</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH064-250I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144T-I/JWX</a><br>Description: 2048KB FLASH, 512KB RAM, NO CRYP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144-E/JWX</a><br>Description: FLASH, 512KB RAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG124-I/TL</a><br>Description: IC MCU 32BIT 2MB FLASH 124VTLA     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG124T-I/TL</a><br>Description: IC MCU 32BIT 2MB FLASH 124VTLA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144T-I/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG100-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG100-E/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144-E/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144-I/JWX</a><br>Description: FLASH, 512KB RAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144-I/PH</a><br>Description: IC MCU 32BIT 2MB FLASH 144TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG100-I/PF</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFG144T-I/JWX</a><br>Description: 2048KB FLASH, 512KB RAM, NO CRYP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH064-250I/MR</a><br>Description: IC MCU 32BIT 2MB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for PIC32MZ2048EFG144-E/PH

|                               |                                           |                                             |                                        |
|-------------------------------|-------------------------------------------|---------------------------------------------|----------------------------------------|
| Micrel / Microchip Technology | PIC32MZ2048EFG144-E/PH distributor        | PIC32MZ2048EFG144-E/PH supplier             | PIC32MZ2048EFG144-E/PH price           |
| PIC32MZ2048EFG144-E/PH        | PIC32MZ2048EFG144-E/PH download datasheet | PIC32MZ2048EFG144-E/PH datasheet            | PIC32MZ2048EFG144-E/PH stock           |
| buy PIC32MZ2048EFG144-E/PH    | Micrel / Microchip Technology             | Microchip Technology PIC32MZ2048EFG144-E/PH | Roving Networks / Microchip Technology |
|                               | PIC32MZ2048EFG144-E/PH                    |                                             | PIC32MZ2048EFG144-E/PH                 |