

PIC32MZ2048EFH144T-250I/PH



Part Number: [PIC32MZ2048EFH144T-250I/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

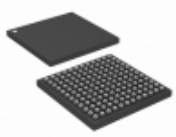
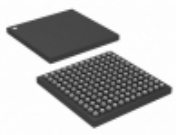
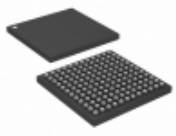
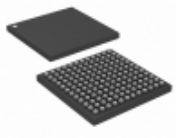
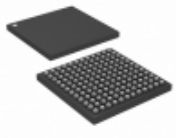
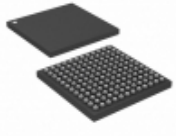
Ship From: Hong Kong

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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                |                                 |                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC32MZ2048EFH144T-250I/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8011 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)      | 2.1 V ~ 3.6 V                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 144-TQFP (16x16)                                                                               | Speed                           | 252MHz                                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC® 32MZ                                                                                      | RAM Size                        | 512K x 8                                                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FLASH                                                                                          | Program Memory Size             | 2MB (2M x 8)                                                                                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                | Packaging                       | Tape & Reel (TR)                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 144-TQFP                                                                                       | Oscillator Type                 | Internal                                                                                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40°C ~ 85°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 PIC® 32MZ Microcontroller IC 32-Bit 252MHz 2MB (2M x 8) FLASH 144-TQFP (16x16) | Data Converters                 | A/D 48x12b                                                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 32-Bit                                                                                         | Core Processor                  | MIPS32® M-Class                                                                                                             |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG                             |                                 |                                                                                                                             |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 8011 pieces of Micrel / Microchip Technology PIC32MZ2048EFH144T-250I/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="#">PIC32MZ2048EFH144T-250I/JWX</a><br>Description: FLASH, 512KB RAM              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH144-250I/JWX</a><br>Description: FLASH, 512KB RAM               | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH144T-E/JWX</a><br>Description: 32 BIT MCU, FPU, 2MB FLASH, 512K | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH144T-I/JWX</a><br>Description: 32 BIT MCU, FPU, 2MB FLASH, 512K | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC32MZ2048EFH144-E/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH144T-I/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFM064-I/MR</a><br>Description: IC MCU 32BIT 2MB FLASH 64QFN       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFM064-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 64TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH144T-I/PH</a><br>Description: IC MCU 32BIT 2MB FLASH 144TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048EFH144-I/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC32MZ2048EFM064-E/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 64TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for PIC32MZ2048EFH144T-250I/PH

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| Micrel / Microchip Technology                   | PIC32MZ2048EFH144T-250I/PH distributor                               | PIC32MZ2048EFH144T-250I/PH supplier                                    | PIC32MZ2048EFH144T-250I/PH price                                                                |
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