

PIC32MZ2048ECG144-I/PH



Part Number: [PIC32MZ2048ECG144-I/PH](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 2MB FLASH 144TQFP

Data sheet:  [PIC32MZ EC Errata](#)  
 [PIC32MZ EC Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

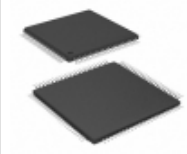
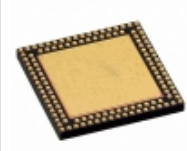
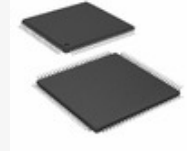
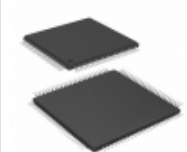
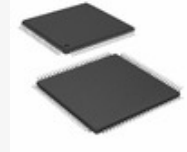
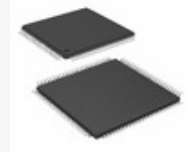
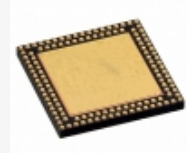
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                    |                                 |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC32MZ2048ECG144-I/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8035 pcs                                                                                           | Data sheet                      | <a href="#">PIC32MZ EC Errata</a><br><a href="#">PIC32MZ EC Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                          | Voltage - Supply (Vcc/Vdd)      | 2.3 V ~ 3.6 V                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 144-TQFP (16x16)                                                                                   | Speed                           | 200MHz                                                                    |
| 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                       | Tray                                                                      |
| 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 | 6 Weeks                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                                         | EEPROM Size                     | -                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MIPS32® microAptiv™ PIC® 32MZ Microcontroller IC 32-Bit 200MHz 2MB (2M x 8) FLASH 144-TQFP (16x16) | Data Converters                 | A/D 48x10b                                                                |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-Bit                                                                                             | Core Processor                  | MIPS32® microAptiv™                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EBI/EMI, Ethernet, I²C, 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 8035 pieces of Micrel / Microchip Technology PIC32MZ2048ECG144-I/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="#">PIC32MZ2048ECG144T-I/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG144T-I/PH</a><br>Description: IC MCU 32BIT 2MB FLASH 144TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG064T-I/MR</a><br>Description: IC MCU 32BIT 2MB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG064-I/MR</a><br>Description: IC MCU 32BIT 2MB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG100T-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECH064T-I/MR</a><br>Description: IC MCU 32BIT 2MB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG124-I/TL</a><br>Description: IC MCU 32BIT 2MB FLASH 124VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECH064-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECH100-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECH100T-I/PF</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECH064T-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG144-I/PL</a><br>Description: IC MCU 32BIT 2MB FLASH 144LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG100-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECH100-I/PF</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC32MZ2048ECH064-I/MR</a><br>Description: IC MCU 32BIT 2MB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG124T-I/TL</a><br>Description: IC MCU 32BIT 2MB FLASH 124VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG064-I/PT</a><br>Description: IC MCU 32BIT 2MB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ2048ECG100-I/PF</a><br>Description: IC MCU 32BIT 2MB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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