

PIC32MZ1024ECH100T-I/PF





Part Number:

PIC32MZ1024ECH100T-I/PF

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 1MB FLASH 100TQFP

Data sheet:

 [PIC32MZ EC Errata](#)

 [PIC32MZ EC Datasheet](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

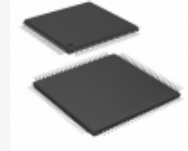
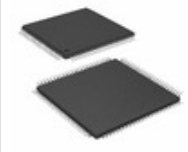
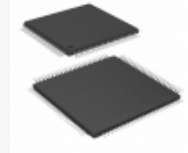
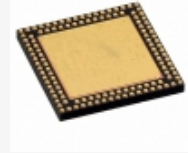
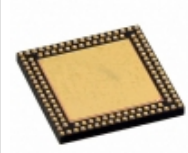
Shipment Way:

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Images are for reference only.  
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Buy PIC32MZ1024ECH100T-I/PF with confidence from  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                    |                                 |                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC32MZ1024ECH100T-I/PF                                                                            | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC MCU 32BIT 1MB FLASH 100TQFP                                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11295 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100-TQFP (14x14)                                                                                   | Speed                           | 200MHz                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC® 32MZ                                                                                          | RAM Size                        | 512K x 8                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FLASH                                                                                              | Program Memory Size             | 1MB (1M x 8)                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                    | Packaging                       | Tape & Reel (TR)                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100-TQFP                                                                                           | Oscillator Type                 | Internal                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -40°C ~ 85°C (TA)                                                                                  | Number of I/O                   | 78                                                                        |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MIPS32® microAptiv™ PIC® 32MZ Microcontroller IC 32-Bit 200MHz 1MB (1M x 8) FLASH 100-TQFP (14x14) | Data Converters                 | A/D 40x10b                                                                |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 32-Bit                                                                                             | Core Processor                  | MIPS32® microAptiv™                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CANbus, EBI/EMI, Ethernet, I²C, SPI, SQI, UART/USART, USB OTG                                      | Base Part Number                | PIC32MZ1024                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC32MZ1024ECG144-I/PH</a><br>Description: IC MCU 32BIT 1MB FLASH 144TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECM064T-I/MR</a><br>Description: IC MCU 32BIT 1MB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECG144-I/PL</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH100-I/PT</a><br>Description: IC MCU 32BIT 1MB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH144T-I/PH</a><br>Description: IC MCU 32BIT 1MB FLASH 144TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH144-I/PL</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH100-I/PF</a><br>Description: IC MCU 32BIT 1MB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH100T-I/PT</a><br>Description: IC MCU 32BIT 1MB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECM064-I/PT</a><br>Description: IC MCU 32BIT 1MB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH124-I/TL</a><br>Description: IC MCU 32BIT 1MB FLASH 124VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH064T-I/MR</a><br>Description: IC MCU 32BIT 1MB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH064-I/MR</a><br>Description: IC MCU 32BIT 1MB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECG144T-I/PL</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH144-I/PH</a><br>Description: IC MCU 32BIT 1MB FLASH 144TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH064-I/PT</a><br>Description: IC MCU 32BIT 1MB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECG144T-I/PH</a><br>Description: IC MCU 32BIT 1MB FLASH 144TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC32MZ1024ECH124-I/TL</a><br>Description: IC MCU 32BIT 1MB FLASH 124VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ1024ECH064T-I/PT</a><br>Description: IC MCU 32BIT 1MB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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