



Micrel / Microchip Technology



PIC32MZ1024EFM144-I/PL

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC32MZ1024EFM144-I/PL                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 32BIT 1MB FLASH 144LQFP                                                                               |
|                     | <a href="#">1.PIC32MZ1024EFM144-I/PL.pdf</a>                                                                 |
|                     | <a href="#">2.PIC32MZ1024EFM144-I/PL.pdf</a>                                                                 |
|                     | <a href="#">3.PIC32MZ1024EFM144-I/PL.pdf</a>                                                                 |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

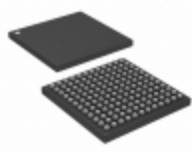
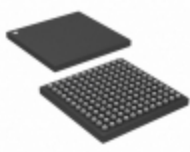
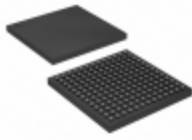
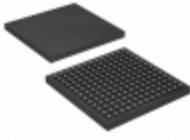
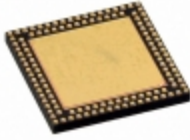
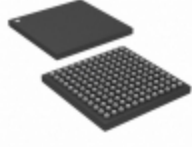
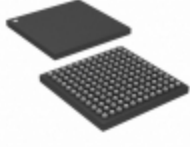
Specifications of PIC32MZ1024EFM144-I/PL

|                                  |                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC32MZ1024EFM144-I/PL                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 144LQFP                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                   |
| DATA SHEET                       | <a href="#">1.PIC32MZ1024EFM144-I/PL.pdf</a><br><a href="#">2.PIC32MZ1024EFM144-I/PL.pdf</a><br><a href="#">3.PIC32MZ1024EFM144-I/PL.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.1 V ~ 3.6 V                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                                                             |
| 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                        | Tray                                                                                                                                         |
| PACKAGE / CASE                   | 144-LQFP                                                                                                                                     |
| 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  | 5 Weeks                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                                            |
| DETAILED DESCRIPTION             | MIPS32® M-Class PIC® 32MZ Microcontroller IC 32-Bit 200MHz 1MB (1M x 8) FLASH 144-LQFP (20x20)                                               |
| 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                                                                           |
| BASE PART NUMBER                 | PIC32MZ1024                                                                                                                                  |

Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology PIC32MZ1024EFM144-I/PL | PIC32MZ1024EFM144-I/PL Distributor          | PIC32MZ1024EFM144-I/PL Supplier                               |
| PIC32MZ1024EFM144-I/PL Price                         | PIC32MZ1024EFM144-I/PL Pictures             | PIC32MZ1024EFM144-I/PL Image                                  |
| PIC32MZ1024EFM144-I/PL PDF Datasheet                 | PIC32MZ1024EFM144-I/PL Download Datasheet   | PIC32MZ1024EFM144-I/PL Datasheet                              |
| PIC32MZ1024EFM144-I/PL Stock                         | Buy PIC32MZ1024EFM144-I/PL                  | Buy Micrel / Microchip Technology PIC32MZ1024EFM144-I/PL      |
| Micrel / Microchip Technology PIC32MZ1024EFM144-I/PL | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology PIC32MZ1024EFM144-I/PL | Microchip Technology PIC32MZ1024EFM144-I/PL | Roving Networks / Microchip Technology PIC32MZ1024EFM144-I/PL |

Related Products

|                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>PIC32MZ1024EFM144T-I/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 1024KB FLASH, 512KB RAM, CRYPTO,<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>PIC32MZ1024EFM144-E/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH, 512KB RAM<br/>In stock: 520 pcs<br/><div>RFQ</div></div>                    |
| <div></div> <div><b>PIC32MZ1024EFM144-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144TQFP<br/>In stock: 89 pcs<br/><div>RFQ</div></div>        | <div></div> <div><b>PIC32MZ1024EFM144-E/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>     |
| <div></div> <div><b>PIC32MZ1025DAA169T-I/HF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH<br/>In stock: Out stock<br/><div>RFQ</div></div>            | <div></div> <div><b>PIC32MZ1024EFM144T-I/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
| <div></div> <div><b>PIC32MZ1024EFM144T-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>    | <div></div> <div><b>PIC32MZ1025DAA169-I/HF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH<br/>In stock: 512 pcs<br/><div>RFQ</div></div>               |
| <div></div> <div><b>PIC32MZ1024EFM144-E/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144TQFP<br/>In stock: 90 pcs<br/><div>RFQ</div></div>        | <div></div> <div><b>PIC32MZ1024EFM124T-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 124VTLA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
| <div></div> <div><b>PIC32MZ1024EFM144-I/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH, 512KB RAM<br/>In stock: 520 pcs<br/><div>RFQ</div></div>                    | <div></div> <div><b>PIC32MZ1024EFM144T-E/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 1024KB FLASH, 512KB RAM, CRYPTO,<br/>In stock: Out stock<br/><div>RFQ</div></div> |