



Micrel / Microchip Technology



### PIC32MZ1024EFM064-E/PT

|                     |                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC32MZ1024EFM064-E/PT                                                                                                                                                                                                                                                                                                                                                                                    |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                             |
| Product description | IC MCU 32BIT 1MB FLASH 64TQFP <div> 1.PIC32MZ1024EFM064-E/PT.pdf<div> 2.PIC32MZ1024EFM064-E/PT.pdf<div> 3.PIC32MZ1024EFM064-E/PT.pdf</div></div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                           |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                              |
| Stock Condition     | 8695 pcs stock                                                                                                                                                                                                                                                                                                                                                                                            |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                 |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                     |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

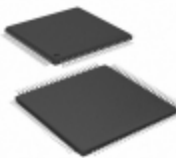
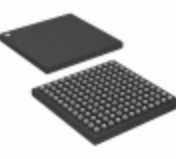
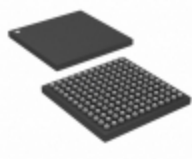
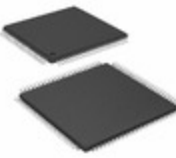
#### Specifications of PIC32MZ1024EFM064-E/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC32MZ1024EFM064-E/PT                                                                                                                                                                                                                                                                                                                                                            |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                     |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 64TQFP                                                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                        |
| QUANTITY AVAILABLE               | 8695 pcs                                                                                                                                                                                                                                                                                                                                                                          |
| DATA SHEET                       | <div> 1.PIC32MZ1024EFM064-E/PT.pdf<div> 2.PIC32MZ1024EFM064-E/PT.pdf<div> 3.PIC32MZ1024EFM064-E/PT.pdf</div></div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.1 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                     |
| SUPPLIER DEVICE PACKAGE          | 64-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                   |
| SPEED                            | 180MHz                                                                                                                                                                                                                                                                                                                                                                            |
| SERIES                           | Automotive, AEC-Q100, 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                   | 64-TQFP                                                                                                                                                                                                                                                                                                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 125°C                                                                                                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 46                                                                                                                                                                                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                     |
| 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 1MB (1M x 8) FLASH 64-TQFP (10x10)                                                                                                                                                                                                                                                               |
| DATA CONVERTERS                  | A/D 24x12b                                                                                                                                                                                                                                                                                                                                                                        |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                            |
| CORE PROCESSOR                   | MIPS32® M-Class                                                                                                                                                                                                                                                                                                                                                                   |
| CONNECTIVITY                     | CANbus, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG                                                                                                                                                                                                                                                                                                                         |
| BASE PART NUMBER                 | PIC32MZ1024                                                                                                                                                                                                                                                                                                                                                                       |

#### Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology PIC32MZ1024EFM064-E/PT | PIC32MZ1024EFM064-E/PT Distributor          | PIC32MZ1024EFM064-E/PT Supplier                               |
| PIC32MZ1024EFM064-E/PT Price                         | PIC32MZ1024EFM064-E/PT Pictures             | PIC32MZ1024EFM064-E/PT Image                                  |
| PIC32MZ1024EFM064-E/PT PDF Datasheet                 | PIC32MZ1024EFM064-E/PT Download Datasheet   | PIC32MZ1024EFM064-E/PT Datasheet                              |
| PIC32MZ1024EFM064-E/PT Stock                         | Buy PIC32MZ1024EFM064-E/PT                  | Buy Micrel / Microchip Technology PIC32MZ1024EFM064-E/PT      |
| Micrel / Microchip Technology PIC32MZ1024EFM064-E/PT | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology PIC32MZ1024EFM064-E/PT | Microchip Technology PIC32MZ1024EFM064-E/PT | Roving Networks / Microchip Technology PIC32MZ1024EFM064-E/PT |

#### Related Products

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| <div></div> <div><b>PIC32MZ1024EFM064T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 12667 pcs</div> <div>RFQ</div>    | <div></div> <div><b>PIC32MZ1024EFM100-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 100TQFP<br/>In stock: 7755 pcs</div> <div>RFQ</div>      |
| <div></div> <div><b>PIC32MZ1024EFK144T-I/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 9096 pcs</div> <div>RFQ</div>    | <div></div> <div><b>PIC32MZ1024EFK144T-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144TQFP<br/>In stock: 10193 pcs</div> <div>RFQ</div>    |
| <div></div> <div><b>PIC32MZ1024EFM064T-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 11611 pcs</div> <div>RFQ</div>     | <div></div> <div><b>PIC32MZ1024EFK144T-I/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 1024KB FLASH, 256KB RAM, CRYPTO,<br/>In stock: 10155 pcs</div> <div>RFQ</div> |
| <div></div> <div><b>PIC32MZ1024EFK144T-E/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 1024KB FLASH, 256KB RAM, CRYPTO,<br/>In stock: 9949 pcs</div> <div>RFQ</div> | <div></div> <div><b>PIC32MZ1024EFM064-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64TQFP<br/>In stock: 8159 pcs</div> <div>RFQ</div>       |
| <div></div> <div><b>PIC32MZ1024EFM064-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 10363 pcs</div> <div>RFQ</div>      | <div></div> <div><b>PIC32MZ1024EFM100-E/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 100TQFP<br/>In stock: 8450 pcs</div> <div>RFQ</div>      |
| <div></div> <div><b>PIC32MZ1024EFK144-I/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 9953 pcs</div> <div>RFQ</div>     | <div></div> <div><b>PIC32MZ1024EFM064-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 1MB FLASH 64QFN<br/>In stock: 7909 pcs</div> <div>RFQ</div>        |