



Micrel / Microchip Technology



PIC32MZ2048EFG064-E/MR

|                     |                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Part Number:        | PIC32MZ2048EFG064-E/MR                                                                                                                                                                                                                                                                                                                                                                                     |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                              |
| Product description | IC MCU 32BIT 2MB FLASH 64QFN <div> 1.PIC32MZ2048EFG064-E/MR.pdf</div> <div> 2.PIC32MZ2048EFG064-E/MR.pdf</div> <div> 3.PIC32MZ2048EFG064-E/MR.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                            |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                               |
| Stock Condition     | 6951 pcs stock                                                                                                                                                                                                                                                                                                                                                                                             |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                      |

REQUEST FOR QUOTATION

Specifications of PIC32MZ2048EFG064-E/MR

|                                  |                                                                                                                                                                                                                                                                                                                                                                                     |
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| PART NUMBER                      | PIC32MZ2048EFG064-E/MR                                                                                                                                                                                                                                                                                                                                                              |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 64QFN                                                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                          |
| QUANTITY AVAILABLE               | 6951 pcs                                                                                                                                                                                                                                                                                                                                                                            |
| DATA SHEET                       | <div> 1.PIC32MZ2048EFG064-E/MR.pdf</div> <div> 2.PIC32MZ2048EFG064-E/MR.pdf</div> <div> 3.PIC32MZ2048EFG064-E/MR.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.1 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 64-QFN-EP (9x9)                                                                                                                                                                                                                                                                                                                                                                     |
| SPEED                            | 180MHz                                                                                                                                                                                                                                                                                                                                                                              |
| SERIES                           | Automotive, AEC-Q100, 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                        | Tube                                                                                                                                                                                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 64-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                                |
| 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 2MB (2M x 8) FLASH 64-QFN-EP (9x9)                                                                                                                                                                                                                                                                 |
| DATA CONVERTERS                  | A/D 24x12b                                                                                                                                                                                                                                                                                                                                                                          |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                                                              |
| CORE PROCESSOR                   | MIPS32® M-Class                                                                                                                                                                                                                                                                                                                                                                     |
| CONNECTIVITY                     | Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG                                                                                                                                                                                                                                                                                                                                   |
| BASE PART NUMBER                 | PIC32MZ2048                                                                                                                                                                                                                                                                                                                                                                         |

Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology PIC32MZ2048EFG064-E/MR | PIC32MZ2048EFG064-E/MR Distributor          | PIC32MZ2048EFG064-E/MR Supplier                               |
| PIC32MZ2048EFG064-E/MR Price                         | PIC32MZ2048EFG064-E/MR Pictures             | PIC32MZ2048EFG064-E/MR Image                                  |
| PIC32MZ2048EFG064-E/MR PDF Datasheet                 | PIC32MZ2048EFG064-E/MR Download Datasheet   | PIC32MZ2048EFG064-E/MR Datasheet                              |
| PIC32MZ2048EFG064-E/MR Stock                         | Buy PIC32MZ2048EFG064-E/MR                  | Buy Micrel / Microchip Technology PIC32MZ2048EFG064-E/MR      |
| Micrel / Microchip Technology PIC32MZ2048EFG064-E/MR | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology PIC32MZ2048EFG064-E/MR | Microchip Technology PIC32MZ2048EFG064-E/MR | Roving Networks / Microchip Technology PIC32MZ2048EFG064-E/MR |

Related Products

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| <div><div><b>PIC32MZ2048EFG064-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>In stock: 8252 pcs</div><div>RFQ</div></div>    | <div><div><b>PIC32MZ2048ECM144T-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144TQFP<br/>In stock: 9487 pcs</div><div>RFQ</div></div> |
| <div><div><b>PIC32MZ2048EFG064T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64TQFP<br/>In stock: 10774 pcs</div><div>RFQ</div></div> | <div><div><b>PIC32MZ2048ECM144T-I/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 7419 pcs</div><div>RFQ</div></div> |
| <div><div><b>PIC32MZ2048EFG064-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64TQFP<br/>In stock: 9107 pcs</div><div>RFQ</div></div>   | <div><div><b>PIC32MZ2048EFG064T-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>In stock: 10606 pcs</div><div>RFQ</div></div>  |
| <div><div><b>PIC32MZ2048ECM144-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144TQFP<br/>In stock: 6975 pcs</div><div>RFQ</div></div>  | <div><div><b>PIC32MZ2048ECM144-I/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 7857 pcs</div><div>RFQ</div></div>  |
| <div><div><b>PIC32MZ2048ECM124T-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 124VTLA<br/>In stock: 7662 pcs</div><div>RFQ</div></div> | <div><div><b>PIC32MZ2048ECM124-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 124VTLA<br/>In stock: 9254 pcs</div><div>RFQ</div></div>  |
| <div><div><b>PIC32MZ2048EFG100-E/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 100TQFP<br/>In stock: 6706 pcs</div><div>RFQ</div></div>  | <div><div><b>PIC32MZ2048EFG064-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64TQFP<br/>In stock: 7124 pcs</div><div>RFQ</div></div>   |