



Micrel / Microchip Technology



PIC32MZ2048EFH144T-I/PL

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC32MZ2048EFH144T-I/PL                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                   |
| Product description | IC MCU 32BIT 2MB FLASH 144LQFP                                                                                  |
|                     |  1.PIC32MZ2048EFH144T-I/PL.pdf |
|                     |  2.PIC32MZ2048EFH144T-I/PL.pdf |
|                     |  3.PIC32MZ2048EFH144T-I/PL.pdf |
| Datasheets:         |                                                                                                                 |
| RoHs Status         |  Lead free / RoHS Compliant    |
| Stock Condition     | 9159 pcs stock                                                                                                  |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

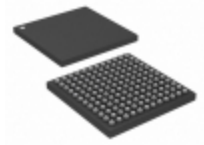
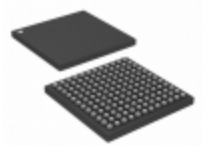
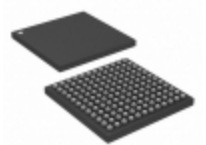
Specifications of PIC32MZ2048EFH144T-I/PL

|                                  |                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC32MZ2048EFH144T-I/PL                                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                               |
| DESCRIPTION                      | IC MCU 32BIT 2MB FLASH 144LQFP                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                  |
| QUANTITY AVAILABLE               | 9159 pcs                                                                                                                                                                                                                                                                                                                                                    |
| DATA SHEET                       |  1.PIC32MZ2048EFH144T-I/PL.pdf<br> 2.PIC32MZ2048EFH144T-I/PL.pdf<br> 3.PIC32MZ2048EFH144T-I/PL.pdf |
| 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              | 2MB (2M x 8)                                                                                                                                                                                                                                                                                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                                                                                                                                                                                                                                                             |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                            |
| PACKAGE / CASE                   | 144-LQFP                                                                                                                                                                                                                                                                                                                                                    |
| OTHER NAMES                      | PIC32MZ2048EFH144-I/PLTR<br>PIC32MZ2048EFH144-I/PLTR-ND<br>PIC32MZ2048EFH144T-I/PL-ND<br>PIC32MZ2048EFH144T-I/PLTR                                                                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                           |
| NUMBER OF I/O                    | 120                                                                                                                                                                                                                                                                                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                  |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                           |
| DETAILED DESCRIPTION             | MIPS32® M-Class PIC® 32MZ Microcontroller IC 32-Bit 200MHz 2MB (2M 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                 | PIC32MZ2048                                                                                                                                                                                                                                                                                                                                                 |

Related Tags

|                                                       |                                              |                                                                |
|-------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| Micrel / Microchip Technology PIC32MZ2048EFH144T-I/PL | PIC32MZ2048EFH144T-I/PL Distributor          | PIC32MZ2048EFH144T-I/PL Supplier                               |
| PIC32MZ2048EFH144T-I/PL Price                         | PIC32MZ2048EFH144T-I/PL Pictures             | PIC32MZ2048EFH144T-I/PL Image                                  |
| PIC32MZ2048EFH144T-I/PL PDF Datasheet                 | PIC32MZ2048EFH144T-I/PL Download Datasheet   | PIC32MZ2048EFH144T-I/PL Datasheet                              |
| PIC32MZ2048EFH144T-I/PL Stock                         | Buy PIC32MZ2048EFH144T-I/PL                  | Buy Micrel / Microchip Technology PIC32MZ2048EFH144T-I/PL      |
| Micrel / Microchip Technology PIC32MZ2048EFH144T-I/PL | Micrel / Microchip Technology Supplier       | Micrel / Microchip Technology Distributor                      |
| Micrel / Microchip Technology PIC32MZ2048EFH144T-I/PL | Microchip Technology PIC32MZ2048EFH144T-I/PL | Roving Networks / Microchip Technology PIC32MZ2048EFH144T-I/PL |

Related Products

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|  <div><b>PIC32MZ2048EFM064-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>In stock: 7577 pcs</div> <div>RFQ</div>       |  <div><b>PIC32MZ2048EFM064-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64TQFP<br/>In stock: 8393 pcs</div> <div>RFQ</div>      |
|  <div><b>PIC32MZ2048EFH144T-I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144TQFP<br/>In stock: 9955 pcs</div> <div>RFQ</div>    |  <div><b>PIC32MZ2048EFM064-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64TQFP<br/>In stock: 6956 pcs</div> <div>RFQ</div>      |
|  <div><b>PIC32MZ2048EFH144T-I/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32 BIT MCU, FPU, 2MB FLASH, 512K<br/>In stock: 6968 pcs</div> <div>RFQ</div> |  <div><b>PIC32MZ2048EFM064T-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>In stock: 10880 pcs</div> <div>RFQ</div>     |
|  <div><b>PIC32MZ2048EFM064-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64QFN<br/>In stock: 7729 pcs</div> <div>RFQ</div>       |  <div><b>PIC32MZ2048EFH144T-E/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: 32 BIT MCU, FPU, 2MB FLASH, 512K<br/>In stock: 8186 pcs</div> <div>RFQ</div> |
|  <div><b>PIC32MZ2048EFH144T-250I/PH</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144TQFP<br/>In stock: 9551 pcs</div> <div>RFQ</div> |  <div><b>PIC32MZ2048EFM064T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 64TQFP<br/>In stock: 9881 pcs</div> <div>RFQ</div>     |
|  <div><b>PIC32MZ2048EFH144T-250I/PL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 2MB FLASH 144LQFP<br/>In stock: 9720 pcs</div> <div>RFQ</div> |  <div><b>PIC32MZ2048EFH144T-250I/JWX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: FLASH, 512KB RAM<br/>In stock: 6278 pcs</div> <div>RFQ</div>              |

