



Micrel / Microchip Technology

## PIC32MZ1024EFH064-E/MR

Part Number: PIC32MZ1024EFH064-E/MR  
 Manufacturer/Brand: Micrel / Microchip Technology  
 Product description: IC MCU 32BIT 1MB FLASH 64QFN  
 Datasheets:  
 1. PIC32MZ1024EFH064-E/MR.pdf  
 2. PIC32MZ1024EFH064-E/MR.pdf  
 3. PIC32MZ1024EFH064-E/MR.pdf  
 RoHS Status: Lead free / RoHS Compliant  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of PIC32MZ1024EFH064-E/MR

PART NUMBER	PIC32MZ1024EFH064-E/MR
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 32BIT 1MB FLASH 64QFN
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1. PIC32MZ1024EFH064-E/MR.pdf</a> <a href="#">2. PIC32MZ1024EFH064-E/MR.pdf</a> <a href="#">3. PIC32MZ1024EFH064-E/MR.pdf</a>
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	1MB (1M x 8)
PERIPHERALS	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, 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)
MANUFACTURER STANDARD LEAD TIME	26 Weeks
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-QFN-EP (9x9)
DATA CONVERTERS	A/D 24x12b
CORE SIZE	32-Bit
CORE PROCESSOR	MIPS32® M-Class
CONNECTIVITY	CANbus, Ethernet, I <sup>2</sup> C, PMP, SPI, SQI, UART/USART, USB OTG
BASE PART NUMBER	PIC32MZ1024

### Related Tags

Micrel / Microchip Technology PIC32MZ1024EFH064-E/MR	PIC32MZ1024EFH064-E/MR Distributor	PIC32MZ1024EFH064-E/MR Supplier
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### Related Products

<p><b>PIC32MZ1024EFG144T-E/JWX</b>                  Manufacturers: Micrel / Microchip Technology                  Description: 1024KB FLASH, 512KB RAM, NO CRYP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>PIC32MZ1024EFH064T-I/PT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 64TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>PIC32MZ1024EFG144-I/PL</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 144LQFP                  In stock: 176 pcs  <a href="#">RFQ</a></p>	<p><b>PIC32MZ1024EFG144T-I/PH</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 144TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>PIC32MZ1024EFH064-I/MR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 64QFN                  In stock: 11 pcs  <a href="#">RFQ</a></p>	<p><b>PIC32MZ1024EFH064-E/PT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 64TQFP                  In stock: 480 pcs  <a href="#">RFQ</a></p>
<p><b>PIC32MZ1024EFH100-E/PF</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 100TQFP                  In stock: 266 pcs  <a href="#">RFQ</a></p>	<p><b>PIC32MZ1024EFG144-I/PH</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 144TQFP                  In stock: 62 pcs  <a href="#">RFQ</a></p>
<p><b>PIC32MZ1024EFH064T-I/MR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 64QFN                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>PIC32MZ1024EFG144T-I/PL</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 144LQFP                  In stock: Out stock  <a href="#">RFQ</a></p>
<p><b>PIC32MZ1024EFG144T-I/JWX</b>                  Manufacturers: Micrel / Microchip Technology                  Description: 1024KB FLASH, 512KB RAM, NO CRYP                  In stock: Out stock  <a href="#">RFQ</a></p>	<p><b>PIC32MZ1024EFH064-I/PT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 32BIT 1MB FLASH 64TQFP                  In stock: Out stock  <a href="#">RFQ</a></p>

