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See specifications for product details.



PIC32MZ1024EFM064-I/MR

Manufacturer Part Number **PIC32MZ1024EFM064-I/MR**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MZ1024EFM064-I/MR**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 32BIT 1MB FLASH 64QFN**

Package **64-VFQFN Exposed Pad**

Data sheet **[PIC32 Microcontroller Brochure.pdf](#)**

[PIC32MZ EF Datasheet.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC32MZ1024EFM064-I/MR - Microchip Technology. New Original in Stock. Download Linear Technology PIC32MZ1024EFM064-I/MR datasheet/specifications on AllelcoElec.com.

Request a quote for PIC32MZ1024EFM064-I/MR, please send us email: info@allelco.com

Specifications

PIC32MZ1024EFM064-I/MR Tech Specifications

PIC32MZ1024EFM064-I/MR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.1V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-QFN (9x9)	Number of I/O	46
Speed	200MHz	Mounting Type	Surface Mount
Series	PIC® 32MZ	EEPROM Size	-
RAM Size	512K x 8	Data Converters	A/D 24x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	MIPS32® M-Class
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	CANbus, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG
Package / Case	64-VFQFN Exposed Pad	Base Product Number	PIC32MZ1024EFM064
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MZ1024EFM064-I/MR

Product Attribute				
Part Number	PIC32MZ1024EFM064-I/MR	PIC32MZ1024EFH100-I/PF	PIC32MZ1024EFH100-I/PT	PIC32MZ1024EFG144-I/PL
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	PIC32MZ1024EFM064	PIC32MZ1024EFH100	PIC32MZ1024EFH100	PIC32MZ1024EFG144
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Series	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ
Core Processor	MIPS32® M-Class	MIPS32® M-Class	MIPS32® M-Class	MIPS32® M-Class
Speed	200MHz	200MHz	200MHz	200MHz
Data Converters	A/D 24x12b	A/D 40x12b	A/D 40x12b	A/D 48x12b
Voltage - Supply (Vcc/Vdd)	2.1V ~ 3.6V	2.1V ~ 3.6V	2.1V ~ 3.6V	2.1V ~ 3.6V
Package / Case	64-VFQFN Exposed Pad	100-TQFP	100-TQFP	144-LQFP
Number of I/O	46	78	78	120
Supplier Device Package	64-QFN (9x9)	100-TQFP (14x14)	100-TQFP (12x12)	144-LQFP (20x20)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)
RAM Size	512K x 8	512K x 8	512K x 8	512K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	CANbus, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG	EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tube	Tray	Tray	Tray
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core

PIC32MZ1024EFM064-I/MR Datasheet PDF

Download PIC32MZ1024EFM064-I/MR pdf datasheets and Microchip Technology documentation for PIC32MZ1024EFM064-I/MR - Microchip Technology.

Datasheets

PIC32MZ EF Datasheet.pdf

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

MBB/Label Chgs 16/Nov/2018.pdf

PCN Assembly/Origin

2.73KHz.pdf

HTML Datasheet

PIC32 Microcontroller Brochure.pdf

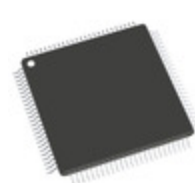





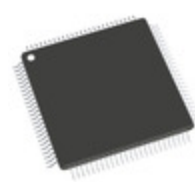
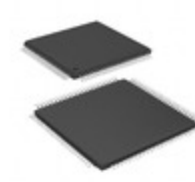
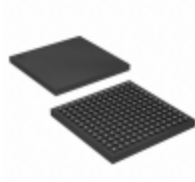

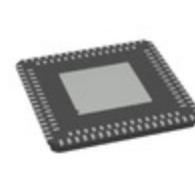

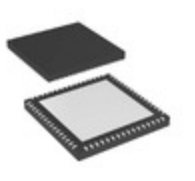



PCN Design/Specification

PIC32MZ 11/Dec/2019.pdf

PIC32MZ 22/Jun/2021.pdf

Customers Also Interested in

Recommended Products

					
PIC32MZ1024EFH100-I/PF Microchip Technology IC MCU 32BIT 1MB FLASH 100TQFP	PIC32MZ1024EFH100-I/PT Microchip Technology IC MCU 32BIT 1MB FLASH 100TQFP	PIC32MZ1024EFG144-I/PL Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP	PIC32MZ2048ECG064-I/PT Microchip Technology IC MCU 32BIT 2MB FLASH 64TQFP	PIC32MZ1024EFH144-I/PH Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP	PIC32MZ1024EFM144-I/PH Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP
					
PIC32MZ2048ECH100-I/PF Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP	PIC32MZ1025DAA288-I/4J Microchip Technology IC MCU 32BIT 1MB FLASH 288LFBGA	PIC32MZ2048ECG144-I/PL Microchip Technology IC MCU 32BIT 2MB FLASH 144LQFP	PIC32MZ2048ECG100-I/PT Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP	PIC32MZ2025DAB169-I/HF Microchip Technology IC MCU 32BIT 2MB FLASH 169LFBGA	PIC32MZ2048ECG144-I/PH Microchip Technology IC MCU 32BIT 2MB FLASH 144TQFP
					
PIC32MZ1025W104132-I/NX Microchip Technology IC MCU 32BIT 1MB FLASH 132VQFN	PIC32MZ1024EFG144-I/PH Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP	PIC32MZ1024EFK064-I/MR Microchip Technology IC MCU 32BIT 1MB FLASH 64QFN	PIC32MZ1024EFK144-I/PH Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP	PIC32MZ1024EFH144-I/PL Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP	PIC32MZ2048ECG100-I/PF Microchip Technology IC MCU 32BIT 2MB FLASH 100TQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

		
Efficient Supply Management	Cost-Saving Procurement	Fast Sourcing & Delivery

Contact us if you have any questions.

	
Phone +00852 9146 4856	Email info@allelco.com

Certifications & Memberships



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

