

Image may be representation.  
See specifications for product details.



## PIC32MZ0512EFK100-I/PF

Manufacturer Part Number **PIC32MZ0512EFK100-I/PF**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MZ0512EFK100-I/PF**

ECAD Model Request Free CAD Models

Parts Description **IC MCU 32BIT 512KB FLASH 100TQFP**

Package **100-TQFP**

Data sheet **PIC32 Microcontroller Brochure.pdf**

**PIC32 Microcontroller Brochure.pdf**

**PIC32MZ EF Datasheet.pdf**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

PIC32MZ0512EFK100-I/PF - Microchip Technology.New Original in Stock. Download Linear Technology PIC32MZ0512EFK100-I/PF datasheet/specifications on AllelcoElec.com.

Request a quote for PIC32MZ0512EFK100-I/PF, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC32MZ0512EFK100-I/PF Tech Specifications

PIC32MZ0512EFK100-I/PF - 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	100-TQFP (14x14)	Number of I/O	78
Speed	200MHz	Mounting Type	Surface Mount
Series	PIC® 32MZ	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 40x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	MIPS32® M-Class
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG
Package / Case	100-TQFP	Base Product Number	PIC32MZ0512EFK100
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MZ0512EFK100-I/PF

Product Attribute				
Part Number	PIC32MZ0512EFK100-I/PF	PIC32MZ1024ECG064-I/PT	PIC32MZ0512EFE100-I/PF	PIC32MZ0512EFF100-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	100-TQFP	64-TQFP	100-TQFP	100-TQFP
Voltage - Supply (Vcc/Vdd)	2.1V ~ 3.6V	2.3V ~ 3.6V	2.1V ~ 3.6V	2.1V ~ 3.6V
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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	200MHz	200MHz	200MHz	200MHz
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	100-TQFP (14x14)	64-TQFP (10x10)	100-TQFP (14x14)	100-TQFP (12x12)
Number of I/O	78	53	78	78
Core Processor	MIPS32® M-Class	MIPS32® microAptiv™	MIPS32® M-Class	MIPS32® M-Class
RAM Size	128K x 8	512K x 8	128K x 8	128K x 8
Series	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ
Program Memory Size	512KB (512K x 8)	1MB (1M x 8)	512KB (512K x 8)	512KB (512K x 8)
Package	Tray	Tray	Tray	Tray
Base Product Number	PIC32MZ0512EFK100	PIC32MZ1024ECG064	PIC32MZ0512EFE100	PIC32MZ0512EFF100
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG	Ethernet, I²C, SPI, SQI, UART/USART, USB OTG	EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG
Data Converters	A/D 40x12b	A/D 24x10b	A/D 40x12b	A/D 40x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core

## PIC32MZ0512EFK100-I/PF Datasheet PDF

Download PIC32MZ0512EFK100-I/PF pdf datasheets and Microchip Technology documentation for PIC32MZ0512EFK100-I/PF - Microchip Technology.

### Datasheets





PIC32 Microcontroller Brochure.pdf



PIC32MZ EF Datasheet.pdf

## PCN Packaging

 MBB/Label Chgs 16/Nov/2018.pdf

 New Packing Material 02/Aug/2019.pdf

## HTML Datasheet


 PIC32 Microcontroller Brochure.pdf

## PCN Design/Specification

 PIC32MZ 11/Dec/2019.pdf

 PIC32MZ 22/Jun/2021.pdf

## PCN Assembly/Origin

 Mult Devices Assembly 10/Aug/2018.pdf

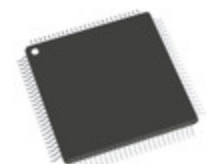
## Customers Also Interested in

### Recommended Products



**PIC32MZ1024ECG064-I/PT**

Microchip Technology  
IC MCU 32BIT 1MB FLASH 64TQFP



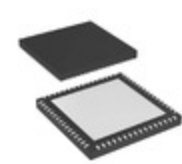
**PIC32MZ0512EFE100-I/PF**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 100TQFP



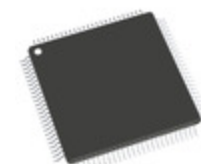
**PIC32MZ0512EFF100-I/PT**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 100TQFP



**PIC32MZ0512EFF064-I/MR**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64QFN



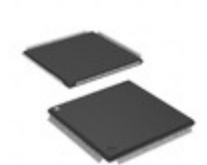
**PIC32MZ0512EFF100-I/PF**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 100TQFP



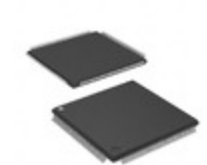
**PIC32MZ0512EFE144-I/PH**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 144TQFP



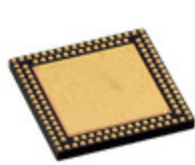
**PIC32MZ0512EFK144-I/PL**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 144LQFP



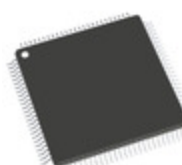
**PIC32MZ0512EFF144-I/PL**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 144LQFP



**PIC32MZ1024ECG124-I/TL**

Microchip Technology  
IC MCU 32BIT 1MB FLASH 124VTLA



**PIC32MZ1024ECH100-I/PF**

Microchip Technology  
IC MCU 32BIT 1MB FLASH 100TQFP



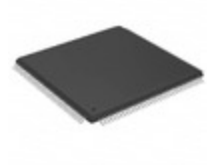
**PIC32MZ0512EFK064-I/PT**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64TQFP



**PIC32MZ1024ECH144-I/PH**

Microchip Technology  
IC MCU 32BIT 1MB FLASH 144TQFP



**PIC32MZ1024ECH144-I/PH**

Microchip Technology  
IC MCU 32BIT 1MB FLASH 144TQFP



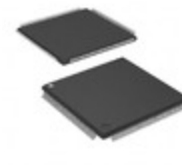
**PIC32MZ0512EFE144-E/PH**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 144TQFP



**PIC32MZ0512EFK100-I/PT**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 100TQFP



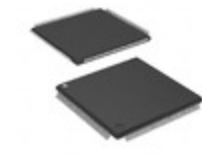
**PIC32MZ1024ECG144-I/PL**

Microchip Technology  
IC MCU 32BIT 1MB FLASH 144LQFP



**PIC32MZ0512EFE064T-I/PT**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64TQFP



**PIC32MZ1024ECH144-I/PL**

Microchip Technology  
IC MCU 32BIT 1MB FLASH 144LQFP

## 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](mailto:info@allelco.com)