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See specifications for product details.



PIC32MZ0512EFF100-I/PF

Manufacturer Part Number **PIC32MZ0512EFF100-I/PF**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MZ0512EFF100-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

PIC32MZ0512EFF100-I/PF - Microchip Technology. New Original in Stock. Download Linear Technology PIC32MZ0512EFF100-I/PF datasheet/specifications on AllelcoElec.com.

Request a quote for PIC32MZ0512EFF100-I/PF, please send us email: info@allelco.com

Specifications

PIC32MZ0512EFF100-I/PF Tech Specifications

PIC32MZ0512EFF100-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, I ² S, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG
Package / Case	100-TQFP	Base Product Number	PIC32MZ0512EFF100
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MZ0512EFF100-I/PF

Product Attribute				
Part Number	PIC32MZ0512EFF100-I/PF	PIC32MZ0512EFK100-I/PF	PIC32MZ0512EFE064-I/PT	PIC32MZ0512EFF064-I/MR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
RAM Size	128K x 8	128K x 8	128K x 8	128K x 8
EEPROM Size	-	-	-	-
Series	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package / Case	100-TQFP	100-TQFP	64-TQFP	64-VFQFN Exposed Pad
Core Processor	MIPS32® M-Class	MIPS32® M-Class	MIPS32® M-Class	MIPS32® M-Class
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Tray	Tube
Speed	200MHz	200MHz	200MHz	200MHz
Program Memory Size	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT
Base Product Number	PIC32MZ0512EFF100	PIC32MZ0512EFK100	PIC32MZ0512EFE064	PIC32MZ0512EFF064
Voltage - Supply (Vcc/Vdd)	2.1V ~ 3.6V	2.1V ~ 3.6V	2.1V ~ 3.6V	2.1V ~ 3.6V
Number of I/O	78	78	46	46
Data Converters	A/D 40x12b	A/D 40x12b	A/D 24x12b	A/D 24x12b
Supplier Device Package	100-TQFP (14x14)	100-TQFP (14x14)	64-TQFP (10x10)	64-QFN (9x9)
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG	Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG	CANbus, Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG

PIC32MZ0512EFF100-I/PF Datasheet PDF

Download PIC32MZ0512EFF100-I/PF pdf datasheets and Microchip Technology documentation for PIC32MZ0512EFF100-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

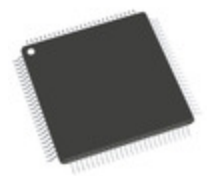
 PIC32MZ 22/Jun/2021.pdf

PCN Assembly/Origin

 Mult Devices Assembly 10/Aug/2018.pdf

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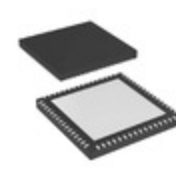
PIC32MZ0512EFK100-I/PF

Microchip Technology
IC MCU 32BIT 512KB FLASH
100TQFP



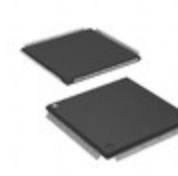
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Microchip Technology
IC MCU 32BIT 512KB FLASH 64TQFP



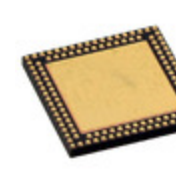
PIC32MZ0512EFF064-I/MR

Microchip Technology
IC MCU 32BIT 512KB FLASH 64QFN



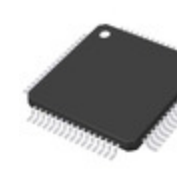
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IC MCU 32BIT 512KB FLASH
144LQFP



PIC32MZ0512EFF124-E/TL

Microchip Technology
IC MCU 32BIT 512KB FLASH
124VTLA



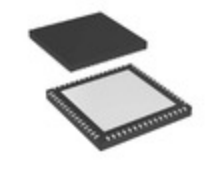
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IC MCU 32BIT 512KB FLASH 64TQFP



PIC32MZ0512EFE144-I/PH

Microchip Technology
IC MCU 32BIT 512KB FLASH
144TQFP



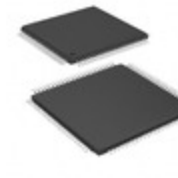
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Microchip Technology
IC MCU 32BIT 512KB FLASH 64QFN



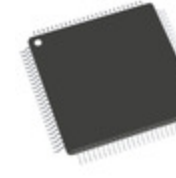
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IC MCU 32BIT 512KB FLASH 64TQFP



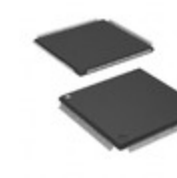
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IC MCU 32BIT 512KB FLASH
100TQFP



PIC32MZ0512EFE100-I/PF

Microchip Technology
IC MCU 32BIT 512KB FLASH
100TQFP



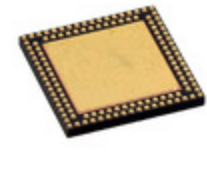
PIC32MZ0512EFK144-I/PL

Microchip Technology
IC MCU 32BIT 512KB FLASH
144LQFP



PIC32MZ0512EFE144-E/PH

Microchip Technology
IC MCU 32BIT 512KB FLASH
144TQFP



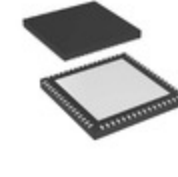
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Microchip Technology
IC MCU 32BIT 1MB FLASH 124VTLA



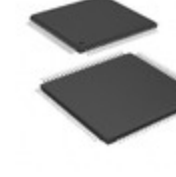
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IC MCU 32BIT 1MB FLASH 64TQFP



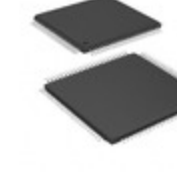
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IC MCU 32BIT 512KB FLASH 64QFN



PIC32MZ1024ECG100-I/PT

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IC MCU 32BIT 1MB FLASH 100TQFP



PIC32MZ0512EFK100-I/PT

Microchip Technology
IC MCU 32BIT 512KB 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.

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Certifications & Memberships



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