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See specifications for product details.



PIC32MZ1024EFK144-I/PH

Manufacturer Part Number **PIC32MZ1024EFK144-I/PH**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MZ1024EFK144-I/PH**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 32BIT 1MB FLASH 144TQFP**

Package **144-TQFP**

Data sheet **PIC32 Microcontroller Brochure.pdf**

PIC32MZ EF Datasheet.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC32MZ1024EFK144-I/PH - Microchip Technology.New Original in Stock. Download Linear Technology PIC32MZ1024EFK144-I/PH datasheet/specifications on AllelcoElec.com.

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Specifications

PIC32MZ1024EFK144-I/PH Tech Specifications

PIC32MZ1024EFK144-I/PH - 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	144-TQFP (16x16)	Number of I/O	120
Speed	200MHz	Mounting Type	Surface Mount
Series	PIC® 32MZ	EEPROM Size	-
RAM Size	256K x 8	Data Converters	A/D 48x12b
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, I ² S, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG
Package / Case	144-TQFP	Base Product Number	PIC32MZ1024EFK144
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MZ1024EFK144-I/PH

Product Attribute				
Part Number	PIC32MZ1024EFK144-I/PH	PIC32MZ2048ECG144-I/PL	PIC32MZ1024EFK064-I/MR	PIC32MZ1025W104132-I/NX
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	-	-	-	-
Base Product Number	PIC32MZ1024EFK144	PIC32MZ2048ECG144	PIC32MZ1024EFK064	PIC32MZ1025
Number of I/O	120	120	46	64
Package	Tray	Tray	Tube	Tray
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
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG	EBI/EMI, Ethernet, I ² C, SPI, SQI, UART/USART, USB OTG	CANbus, Ethernet, I ² C, PMP, SPI, SQI, UART/USART, USB OTG	CANbus, Ethernet, I ² C, IrDA, SPI, SQI, UART/USART, USB OTG
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	144-TQFP	144-LQFP	64-VFQFN Exposed Pad	132-VFQFN Dual Rows, Exposed Pad
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Speed	200MHz	200MHz	200MHz	200MHz
RAM Size	256K x 8	512K x 8	256K x 8	256K x 8
Program Memory Size	1MB (1M x 8)	2MB (2M x 8)	1MB (1M x 8)	1MB (1M x 8)
Voltage - Supply (Vcc/Vdd)	2.1V ~ 3.6V	2.3V ~ 3.6V	2.1V ~ 3.6V	2.97V ~ 3.63V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ
Data Converters	A/D 48x12b	A/D 48x10b	A/D 24x12b	A/D 20x12b SAR
Supplier Device Package	144-TQFP (16x16)	144-LQFP (20x20)	64-QFN (9x9)	132-VQFN (10x10)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	MIPS32® M-Class	MIPS32® microAptiv™	MIPS32® M-Class	MIPS32® M-Class

PIC32MZ1024EFK144-I/PH Datasheet PDF

Download PIC32MZ1024EFK144-I/PH pdf datasheets and Microchip Technology documentation for PIC32MZ1024EFK144-I/PH - Microchip Technology.

Datasheets

PIC32MZ EF Datasheet.pdf

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

MBB/Label Chgs 16/Nov/2018.pdf

HTML Datasheet

PIC32 Microcontroller Brochure.pdf

PCN Design/Specification

PIC32MZ 11/Dec/2019.pdf

PIC32MZ 22/Jun/2021.pdf

PCN Assembly/Origin

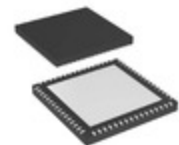
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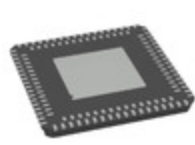
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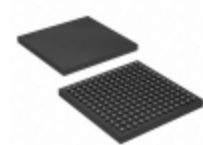
PIC32MZ2048ECG144-I/PL
Microchip Technology
IC MCU 32BIT 2MB FLASH 144LQFP



PIC32MZ1024EFK064-I/MR
Microchip Technology
IC MCU 32BIT 1MB FLASH 64QFN



PIC32MZ1025W104132-I/NX
Microchip Technology
IC MCU 32BIT 1MB FLASH 132VQFN



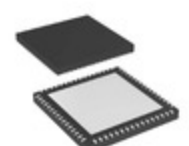
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Microchip Technology
IC MCU 32BIT 2MB FLASH 169LFBGA



PIC32MZ1024EFG100-I/PF
Microchip Technology
IC MCU 32BIT 1MB FLASH 100TQFP



PIC32MZ1024EFH144-I/PL
Microchip Technology
IC MCU 32BIT 1MB FLASH 144LQFP



PIC32MZ1024EFM064-I/MR
Microchip Technology
IC MCU 32BIT 1MB FLASH 64QFN



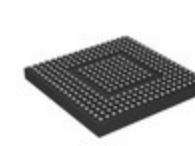
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Microchip Technology
IC MCU 32BIT 2MB FLASH 100TQFP



PIC32MZ2048ECG100-I/PF
Microchip Technology
IC MCU 32BIT 2MB FLASH 100TQFP



PIC32MZ1024EFH100-I/PT
Microchip Technology
IC MCU 32BIT 1MB FLASH 100TQFP



PIC32MZ1025DAA288-I/4J
Microchip Technology
IC MCU 32BIT 1MB FLASH 288LFBGA



PIC32MZ1024EFG144-I/PL
Microchip Technology
IC MCU 32BIT 1MB FLASH 144LQFP



PIC32MZ1024EFH144-I/PH
Microchip Technology
IC MCU 32BIT 1MB FLASH 144TQFP



PIC32MZ1024EFM144-I/PH
Microchip Technology
IC MCU 32BIT 1MB FLASH 144TQFP



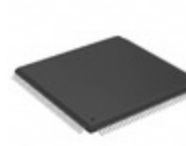
PIC32MZ1024EFH100-I/PF
Microchip Technology
IC MCU 32BIT 1MB FLASH 100TQFP



PIC32MZ2048ECG064-I/PT
Microchip Technology
IC MCU 32BIT 2MB FLASH 64TQFP



PIC32MZ2048ECG144-I/PH
Microchip Technology
IC MCU 32BIT 2MB FLASH 144TQFP



PIC32MZ1024EFG144-I/PH
Microchip Technology
IC MCU 32BIT 1MB FLASH 144TQFP

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

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