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See specifications for product details.



PIC32MZ1024ECG064-I/PT

Manufacturer Part Number	PIC32MZ1024ECG064-I/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC32MZ1024ECG064-I/PT
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 1MB FLASH 64TQFP
Package	64-TQFP
Data sheet	PIC32MZ EC Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC32MZ1024ECG064-I/PT - Microchip Technology.New Original in Stock. Download Linear Technology PIC32MZ1024ECG064-I/PT datasheet/specifications on AllelcoElec.com.
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Specifications

PIC32MZ1024ECG064-I/PT Tech Specifications
PIC32MZ1024ECG064-I/PT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-TQFP (10x10)	Number of I/O	53
Speed	200MHz	Mounting Type	Surface Mount
Series	PIC® 32MZ	EEPROM Size	-
RAM Size	512K x 8	Data Converters	A/D 24x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	MIPS32® microAptiv™
Peripherals	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Connectivity	Ethernet, I²C, SPI, SQI, UART/USART, USB OTG
Package / Case	64-TQFP	Base Product Number	PIC32MZ1024ECG064
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MZ1024ECG064-I/PT

Product Attribute				
Part Number	PIC32MZ1024ECG064-I/PT	PIC32MZ0512EFE144-I/PH	PIC32MZ1024ECH144-I/PH	PIC32MZ0512EFK064-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2.1V ~ 3.6V	2.3V ~ 3.6V	2.1V ~ 3.6V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	MIPS32® microAptiv™	MIPS32® M-Class	MIPS32® microAptiv™	MIPS32® M-Class
Data Converters	A/D 24x10b	A/D 48x12b	A/D 48x10b	A/D 24x12b
Package / Case	64-TQFP	144-TQFP	144-TQFP	64-TQFP
EEPROM Size	-	-	-	-
Program Memory Size	1MB (1M x 8)	512KB (512K x 8)	1MB (1M x 8)	512KB (512K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Tray	Tray
Series	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ	PIC® 32MZ
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
Number of I/O	53	120	120	46
Speed	200MHz	200MHz	200MHz	200MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Connectivity	Ethernet, I²C, SPI, SQI, UART/USART, USB OTG	EBI/EMI, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, SPI, SQI, UART/USART, USB OTG	CANbus, Ethernet, I²C, PMP, SPI, SQI, UART/USART, USB OTG
Base Product Number	PIC32MZ1024ECG064	PIC32MZ0512EFE144	PIC32MZ1024ECH144	PIC32MZ0512EFK064
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	512K x 8	128K x 8	512K x 8	128K x 8
Supplier Device Package	64-TQFP (10x10)	144-TQFP (16x16)	144-TQFP (16x16)	64-TQFP (10x10)

PIC32MZ1024ECG064-I/PT Datasheet PDF

Download PIC32MZ1024ECG064-I/PT pdf datasheets and Microchip Technology documentation for PIC32MZ1024ECG064-I/PT - Microchip Technology.

Datasheets

PIC32MZ EC Datasheet.pdf

PCN Packaging

PCN Design/Specification








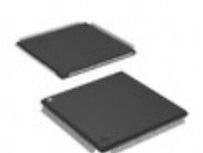
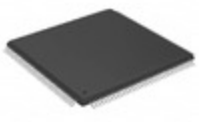
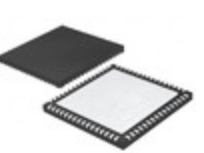
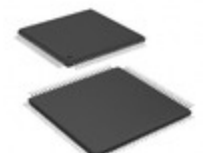
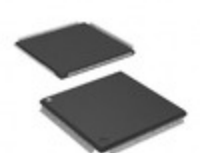

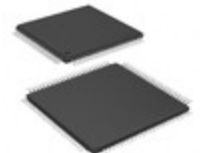


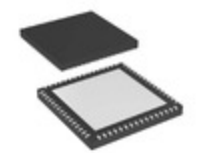
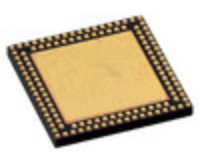
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Errata

 PIC32MZ EC Errata.pdf

Customers Also Interested in

Recommended Products

					
PIC32MZ0512EFE144-I/PH	PIC32MZ1024ECH144-I/PH	PIC32MZ0512EFK064-I/PT	PIC32MZ1024ECH100-I/PF	PIC32MZ0512EFK100-I/PF	PIC32MZ1024EFE064-I/PT
Microchip Technology IC MCU 32BIT 512KB FLASH 144TQFP	Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP	Microchip Technology IC MCU 32BIT 512KB FLASH 64TQFP	Microchip Technology IC MCU 32BIT 1MB FLASH 100TQFP	Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	Microchip Technology IC MCU 32BIT 1MB FLASH 64TQFP
					
PIC32MZ0512EFF100-I/PF	PIC32MZ0512EFK144-I/PL	PIC32MZ1024ECH144T-I/PH	PIC32MZ1024ECM064-I/MR	PIC32MZ0512EFK100-I/PT	PIC32MZ1024ECG144-I/PL
Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	Microchip Technology IC MCU 32BIT 512KB FLASH 144LQFP	Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP	Microchip Technology IC MCU 32BIT 1MB FLASH 64VQFN	Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP
					
PIC32MZ1024ECM144-I/PH	PIC32MZ0512EFF100-I/PT	PIC32MZ0512EFF144-I/PL	PIC32MZ1024ECH144-I/PL	PIC32MZ0512EFF064-I/MR	PIC32MZ1024ECG124-I/TL
Microchip Technology IC MCU 32BIT 1MB FLASH 144TQFP	Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	Microchip Technology IC MCU 32BIT 512KB FLASH 144LQFP	Microchip Technology IC MCU 32BIT 1MB FLASH 144LQFP	Microchip Technology IC MCU 32BIT 512KB FLASH 64QFN	Microchip Technology IC MCU 32BIT 1MB FLASH 124VTLA

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
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Contact us if you have any questions.

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Certifications & Memberships



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