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See specifications for product details.



## PIC32MX320F064H-80I/MR

Manufacturer Part Number **PIC32MX320F064H-80I/MR**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MX320F064H-80I/MR**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 32BIT 64KB FLASH 64VQFN**

Package **64-VFQFN Exposed Pad**

Data sheet **[PIC32MX Flash Programming Spec.pdf](#)**

**[PIC32MX User Guide.pdf](#)**

**[PIC32MX3xx,4xx Datasheet.pdf](#)**

**[PIC32MX Flash Programming Spec.pdf](#)**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

PIC32MX320F064H-80I/MR - Microchip Technology. New Original in Stock. Download Linear Technology PIC32MX320F064H-80I/MR datasheet/specifications on AllelcoElec.com.

Request a quote for PIC32MX320F064H-80I/MR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC32MX320F064H-80I/MR Tech Specifications

PIC32MX320F064H-80I/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)	2.3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-VQFN (9x9)	Number of I/O	53
Speed	80MHz	Mounting Type	Surface Mount
Series	PIC® 32MX	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	MIPS32® M4K™
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART
Package / Case	64-VFQFN Exposed Pad	Base Product Number	PIC32MX320
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MX320F064H-80I/MR

Product Attribute				
Part Number	PIC32MX320F064H-80I/MR	PIC32MX330F064L-I/PT	PIC32MX320F128H-80I/PT	PIC32MX330F064L-I/PF
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Processor	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™
Supplier Device Package	64-VQFN (9x9)	100-TQFP (12x12)	64-TQFP (10x10)	100-TQFP (14x14)
Package / Case	64-VFQFN Exposed Pad	100-TQFP	64-TQFP	100-TQFP
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Base Product Number	PIC32MX320	PIC32MX330	PIC32MX320	PIC32MX330
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 16x10b	A/D 28x10b	A/D 16x10b	A/D 28x10b
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tube	Tray	Tray	Tray
RAM Size	16K x 8	16K x 8	16K x 8	16K x 8
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	128KB (128K x 8)	64KB (64K x 8)
Speed	80MHz	80MHz	80MHz	80MHz
EEPROM Size	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART	I²C, IrDA, LINbus, PMP, SPI, UART/USART
Number of I/O	53	85	53	85
Series	PIC® 32MX	PIC® 32MX	PIC® 32MX	PIC® 32MX

## PIC32MX320F064H-80I/MR Datasheet PDF

Download PIC32MX320F064H-80I/MR pdf datasheets and Microchip Technology documentation for PIC32MX320F064H-80I/MR - Microchip Technology.

### Datasheets



PIC32MX User Guide.pdf




PIC32MX3xx,4xx Datasheet.pdf



PIC32MX Flash Programming Spec.pdf

## PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

## PCN Design/Specification

 Errata/Datasheet Update 06/Oct/2014.pdf

## PCN Assembly/Origin

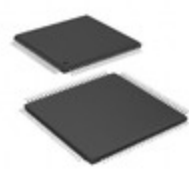
 Mult Devices 24/Jun/2019.pdf

## HTML Datasheet

 PIC32MX Flash Programming Spec.pdf

## Customers Also Interested in

### Recommended Products



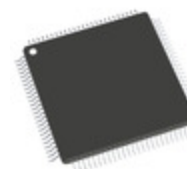
#### PIC32MX330F064L-I/PT

Microchip Technology  
IC MCU 32BIT 64KB FLASH 100TQFP



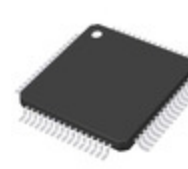
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Microchip Technology  
IC MCU 32BIT 128KB FLASH 64TQFP



#### PIC32MX330F064L-I/PF

Microchip Technology  
IC MCU 32BIT 64KB FLASH 100TQFP



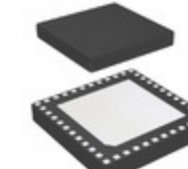
#### PIC32MX270F512H-50I/PT

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64TQFP



#### PIC32MX270F256D-I/PT

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44TQFP



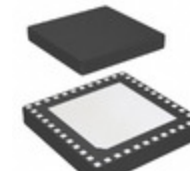
#### PIC32MX270F256D-V/TL

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44VTLA



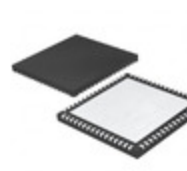
#### PIC32MX340F128H-80I/PT

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64TQFP



#### PIC32MX270F256D-I/TL

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44VTLA



#### PIC32MX330F064H-I/RG

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64VQFN



#### PIC32MX270F256B-I/SS

Microchip Technology  
IC MCU 32BIT 256KB FLASH 28SSOP



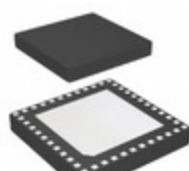
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Microchip Technology  
IC MCU 32BIT 64KB FLASH 64TQFP



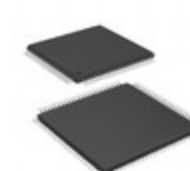
#### PIC32MX330F064H-I/PT

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64TQFP



#### PIC32MX270F256DT-V/TL

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44VTLA



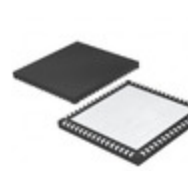
#### PIC32MX320F128L-80I/PT

Microchip Technology  
IC MCU 32BIT 128KB FLASH 100TQFP



#### PIC32MX274F256BT-V/SO

Microchip Technology  
IC MCU 32BIT 256KB FLASH 28SOIC



#### PIC32MX320F128H-80I/MR

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64VQFN



#### PIC32MX270F256D-50I/PT

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44TQFP



#### PIC32MX270F512H-I/PT

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64TQFP

## 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 Alleco 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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Email  
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## Certifications & Memberships



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