

Image may be representation.  
See specifications for product details.



## PIC32MX440F256H-80I/MR

Manufacturer Part Number **PIC32MX440F256H-80I/MR**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MX440F256H-80I/MR**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 32BIT 256KB FLASH 64VQFN**

Package **64-VFQFN Exposed Pad**

Data sheet **[PIC32 Microcontroller Brochure.pdf](#)**

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

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

RoHs Status **ROHS3 Compliant**

**Get a Quote**

PIC32MX440F256H-80I/MR - Microchip Technology. New Original in Stock. Download Linear Technology PIC32MX440F256H-80I/MR datasheet/specifications on AllelcoElec.com.

Request a quote for PIC32MX440F256H-80I/MR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC32MX440F256H-80I/MR Tech Specifications

PIC32MX440F256H-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	32K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	MIPS32® M4K™
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG
Package / Case	64-VFQFN Exposed Pad	Base Product Number	PIC32MX440
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MX440F256H-80I/MR

Product Attribute				
Part Number	PIC32MX440F256H-80I/MR	PIC32MX450F256H-I/PT	PIC32MX430F064H-I/PT	PIC32MX450F128H-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Speed	80MHz	80MHz	100MHz	80MHz
Package / Case	64-VFQFN Exposed Pad	64-TQFP	64-TQFP	64-TQFP
Connectivity	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
EEPROM Size	-	-	-	-
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	64KB (64K x 8)	128KB (128K x 8)
RAM Size	32K x 8	64K x 8	16K x 8	32K x 8
Package	Tube	Tray	Tray	Tray
Supplier Device Package	64-VQFN (9x9)	64-TQFP (10x10)	64-TQFP (10x10)	64-TQFP (10x10)
Data Converters	A/D 16x10b	A/D 28x10b	A/D 28x10b	A/D 28x10b
Base Product Number	PIC32MX440	PIC32MX450	PIC32MX430	PIC32MX450
Number of I/O	53	49	49	49
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	PIC® 32MX	PIC® 32MX	PIC® 32MX	PIC® 32MX

## PIC32MX440F256H-80I/MR Datasheet PDF

Download PIC32MX440F256H-80I/MR pdf datasheets and Microchip Technology documentation for PIC32MX440F256H-80I/MR - Microchip Technology.

### Datasheets

[PIC32MX User Guide.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



2.73KHz.pdf

## HTML Datasheet



PIC32 Microcontroller Brochure.pdf



PIC32MX Flash Programming Spec.pdf

## Customers Also Interested in

### Recommended Products



**PIC32MX450F256H-I/PT**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 64TQFP



**PIC32MX430F064H-I/PT**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64TQFP



**PIC32MX450F128H-I/PT**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64TQFP



**PIC32MX440F128**

Micrel / Microchip Technology



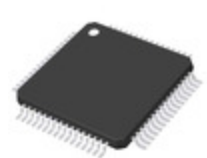
**PIC32MX440F512H-80I/PT**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64TQFP



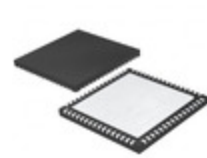
**PIC32MX430F064H-PT**

Micrel / Microchip Technology



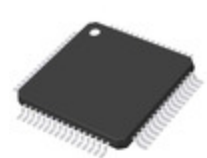
**PIC32MX430F064H-V/PT**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64TQFP



**PIC32MX430F064H-I/RG**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64VQFN



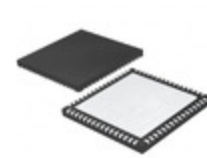
**PIC32MX420F032H-40I/PT**

Microchip Technology  
IC MCU 32BIT 32KB FLASH 64TQFP



**PIC32MX440F128H-80I/PT**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64TQFP



**PIC32MX440F256HT-80I/MR**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 64VQFN



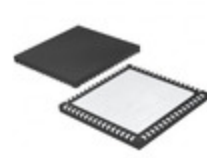
**PIC32MX440F128L-80I/PT**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 100TQFP



**PIC32MX440F256H-80I/PT**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 64TQFP



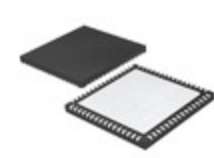
**PIC32MX450F128H-I/MR**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64VQFN



**PIC32MX440F 256H**

MICROCH



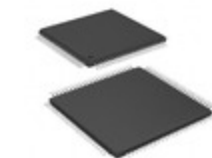
**PIC32MX440F128H-80I/MR**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64VQFN



**PIC32MX440F256HT-80I/PT**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 64TQFP



**PIC32MX450F128L-I/PT**

Microchip Technology  
IC MCU 32BIT 128KB 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 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.



Phone

+00852 9146 4856



Email

info@alleco.com

## Certifications & Memberships



View More

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