

Image may be representation.  
See specifications for product details.



## PIC32MX270F256D-V/TL

Manufacturer Part Number **PIC32MX270F256D-V/TL**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MX270F256D-V/TL**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 32BIT 256KB FLASH 44VTLA**

Package **44-VFTLA Exposed Pad**

Data sheet **[Cylindrical Battery Holders.pdf](#)**

**[PIC32MX1xx/2xx 28/36/44-PIN.pdf](#)**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

PIC32MX270F256D-V/TL - Microchip Technology. New Original in Stock. Download Linear Technology PIC32MX270F256D-V/TL datasheet/specifications on AllelcoElec.com.

Request a quote for PIC32MX270F256D-V/TL, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC32MX270F256D-V/TL Tech Specifications

PIC32MX270F256D-V/TL - 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 ~ 105°C (TA)
Supplier Device Package	44-VTLA (6x6)	Number of I/O	33
Speed	40MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, PIC® 32MX	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 13x10b
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, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART, USB OTG
Package / Case	44-VFTLA Exposed Pad	Base Product Number	PIC32MX270
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MX270F256D-V/TL

Product Attribute				
Part Number	PIC32MX270F256D-V/TL	PIC32MX250F256HT-50I/MR	PIC32MX270F512H-I/PT	PIC32MX270F512H-50I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	33	49	49	49
Package	Tube	Tape & Reel (TR)	Tray	Tray
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I²C, IrDA, LINbus, 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
Core Processor	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™
Voltage - Supply (Vcc/Vdd)	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal
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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	PIC32MX270	PIC32MX250	PIC32MX270	PIC32MX270
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	64K x 8	32K x 8	64K x 8	64K x 8
Supplier Device Package	44-VTLA (6x6)	64-QFN (9x9)	64-TQFP (10x10)	64-TQFP (10x10)
Speed	40MHz	50MHz	40MHz	50MHz
Package / Case	44-VFTLA Exposed Pad	64-VFQFN Exposed Pad	64-TQFP	64-TQFP
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	512KB (512K x 8)	512KB (512K x 8)
Data Converters	A/D 13x10b	A/D 28x10b	A/D 28x10b	A/D 28x10b
Series	Automotive, AEC-Q100, PIC® 32MX	PIC® 32MX	PIC® 32MX	PIC® 32MX
EEPROM Size	-	-	-	-
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

## PIC32MX270F256D-V/TL Datasheet PDF

Download PIC32MX270F256D-V/TL pdf datasheets and Microchip Technology documentation for PIC32MX270F256D-V/TL - Microchip Technology.

### Datasheets

[Cylindrical Battery Holders.pdf](#)

### PCN Packaging

 Label and Packing Changes 23/Sep/2015.pdf

 MBB/Label Chgs 16/Nov/2018.pdf

## HTML Datasheet

 PIC32MX1xx/2xx 28/36/44-PIN.pdf

## PCN Design/Specification

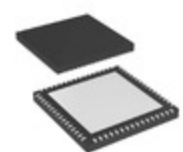
 PIC32MX1XX/2XX 01/Oct/2019.pdf

## PCN Obsolescence/ EOL

 PIC32MxxxFxx/PIC32MZxxxExx  
02/Mar/2021.pdf

## Customers Also Interested in

### Recommended Products



**PIC32MX250F256HT-50I/MR**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 64QFN



**PIC32MX270F512H-I/PT**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64TQFP



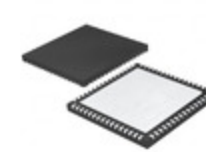
**PIC32MX270F512H-50I/PT**

Microchip Technology  
IC MCU 32BIT 512KB FLASH 64TQFP



**PIC32MX254F128BT-V/SO**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 28SOIC



**PIC32MX320F064H-80I/MR**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64VQFN



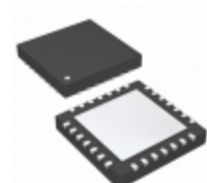
**PIC32MX270F256D-I/PT**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44TQFP



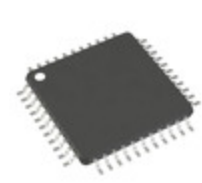
**PIC32MX270F256B-50I/SP**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 28SPDIP



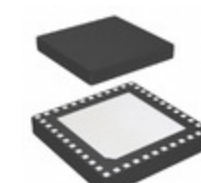
**PIC32MX270F256B-I/ML**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 28QFN



**PIC32MX270F256D-50I/PT**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44TQFP



**PIC32MX270F256D-I/TL**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44VTLA



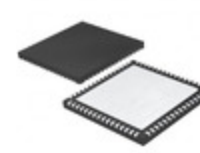
**PIC32MX270F256B-I/SS**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 28SSOP



**PIC32MX274F256BT-V/SO**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 28SOIC



**PIC32MX320F128H-80I/MR**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64VQFN



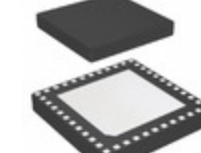
**PIC32MX320F064H-80I/PT**

Microchip Technology  
IC MCU 32BIT 64KB FLASH 64TQFP



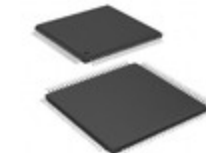
**PIC32MX320F128H-80I/PT**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 64TQFP



**PIC32MX270F256DT-V/TL**

Microchip Technology  
IC MCU 32BIT 256KB FLASH 44VTLA



**PIC32MX320F128L-80I/PT**

Microchip Technology  
IC MCU 32BIT 128KB FLASH 100TQFP



**PIC32MX330F064H-I/PT**

Microchip Technology  
IC MCU 32BIT 64KB 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 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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Email

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## Certifications & Memberships



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