



Image may be representation.  
See specifications for product details.



## PIC32MX695F512L-80I/PT

Manufacturer Part Number **PIC32MX695F512L-80I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC32MX695F512L-80I/PT**

ECAD Model **PCB Symbol, Footprint & 3D Model**

Parts Description **IC MCU 32BIT 512KB FLASH 100TQFP**

Package **100-TQFP**

Data sheet **PIC32MX Flash Programming Spec.pdf**

**PIC32 PHY Support.pdf**

**PIC32MX5xx/6xx/7xx.pdf**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

PIC32MX695F512L-80I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC32MX695F512L-80I/PT datasheet/specifications on AllelcoElec.com.

Request a quote for PIC32MX695F512L-80I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

PIC32MX695F512L-80I/PT Tech Specifications

PIC32MX695F512L-80I/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	100-TQFP (12x12)	Number of I/O	85
Speed	80MHz	Mounting Type	Surface Mount
Series	PIC® 32MX	EEPROM Size	-
RAM Size	128K x 8	Data Converters	A/D 16x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	MIPS32® M4K™
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	Ethernet, I <sup>2</sup> C, SPI, UART/USART, USB OTG
Package / Case	100-TQFP	Base Product Number	PIC32MX695
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC32MX695F512L-80I/PT

Product Attribute				
Part Number	PIC32MX695F512L-80I/PT	PIC32MX675F512H-80V/PT	PIC32MX764F128H-I/PT	PIC32MX695F512H-80V/MR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Speed	80MHz	80MHz	80MHz	80MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™	MIPS32® M4K™
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
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
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	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Package / Case	100-TQFP	64-TQFP	64-TQFP	64-VFQFN Exposed Pad
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	100-TQFP (12x12)	64-TQFP (10x10)	64-TQFP (10x10)	64-VQFN (9x9)
EEPROM Size	-	-	-	-
Data Converters	A/D 16x10b	A/D 16x10b	A/D 16x10b	A/D 16x10b
Series	PIC® 32MX	PIC® 32MX	PIC® 32MX	PIC® 32MX
Program Memory Size	512KB (512K x 8)	512KB (512K x 8)	128KB (128K x 8)	512KB (512K x 8)
Connectivity	Ethernet, I <sup>2</sup> C, SPI, UART/USART, USB OTG	Ethernet, I <sup>2</sup> C, SPI, UART/USART, USB OTG	CANbus, Ethernet, I <sup>2</sup> C, SPI, UART/USART, USB OTG	Ethernet, I <sup>2</sup> C, SPI, UART/USART, USB OTG
Number of I/O	85	53	53	53
Base Product Number	PIC32MX695	PIC32MX675	PIC32MX764	PIC32MX695
RAM Size	128K x 8	64K x 8	32K x 8	128K x 8
Package	Tray	Tray	Tray	Tube
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

## PIC32MX695F512L-80I/PT Datasheet PDF

Download PIC32MX695F512L-80I/PT pdf datasheets and Microchip Technology documentation for PIC32MX695F512L-80I/PT - Microchip Technology.

### PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



MBB/Label Chgs 16/Nov/2018.pdf

### HTML Datasheet

PIC32MX Flash Programming Spec.pdf

PIC32 PHY Support.pdf

PIC32MX5xx/6xx/7xx.pdf



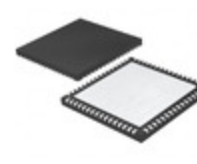

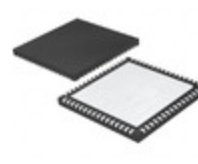

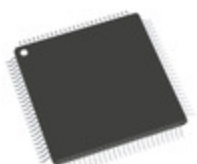
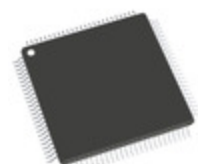
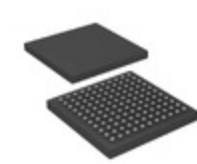


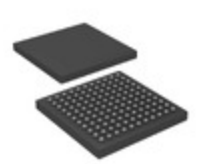





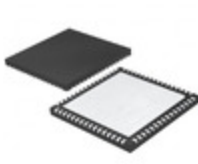
### PCN Design/Specification

PIC32MX5XX/6XX/7XX 01/Oct/2019.pdf

PIC32MX5yy/6yy/7yy DataSheet Update 21/Sep/2016.pdf

### Customers Also Interested in

#### Recommended Products

 <b>PIC32MX675F512H-80V/PT</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64TQFP	 <b>PIC32MX764F128H-1/PT</b> Microchip Technology IC MCU 32BIT 128KB FLASH 64TQFP	 <b>PIC32MX695F512H-80V/MR</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64VQFN	 <b>PIC32MX775F512H-80I/PT</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64TQFP	 <b>PIC32MX775F256H-80I/MR</b> Microchip Technology IC MCU 32BIT 256KB FLASH 64VQFN	 <b>PIC32MX695F512L-80I/PT</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP
 <b>PIC32MX695F512L-80V/PF</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	 <b>PIC32MX695F512L-80I/PF</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	 <b>PIC32MX675F512L-80I/BG</b> Microchip Technology IC MCU 32BIT 512KB FLSH 121TFBGA	 <b>PIC32MX695F512H-80V/PT</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64TQFP	 <b>PIC32MX695F512L-80V/PT</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	 <b>PIC32MX695F512L-80I/BG</b> Microchip Technology IC MCU 32BIT 512KB FLSH 121TFBGA
 <b>PIC32MX675F512L-80I/PT</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	 <b>PIC32MX775F256H-80I/PT</b> Microchip Technology IC MCU 32BIT 256KB FLASH 64TQFP	 <b>PIC32MX775F256L-80I/PT</b> Microchip Technology IC MCU 32BIT 256KB FLASH 100TQFP	 <b>PIC32MX695F512L-80I/PF</b> Microchip Technology IC MCU 32BIT 512KB FLASH 100TQFP	 <b>PIC32MX695F512H-80I/PT</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64TQFP	 <b>PIC32MX695F512H-80I/MR</b> Microchip Technology IC MCU 32BIT 512KB FLASH 64VQFN

### 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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