



Image may be representation.  
See specifications for product details.



## PIC24FJ512GL410-I/PT

Manufacturer Part Number	<b>PIC24FJ512GL410-I/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-PIC24FJ512GL410-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16BIT 512KB FLASH 100TQFP
Package	100-TQFP
Data sheet	<b>PIC24FJ512GU410 Family~.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

PIC24FJ512GL410-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC24FJ512GL410-I/PT datasheet/specifications on AllelcoElec.com. Request a quote for PIC24FJ512GL410-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

PIC24FJ512GL410-I/PT Tech Specifications  
PIC24FJ512GL410-I/PT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tray
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	Oscillator Type	External
Supplier Device Package	100-TQFP (12x12)	Operating Temperature	-40°C ~ 85°C (TA)
Speed	32MHz	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, PIC® 24F	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 24x10b/12b; D/A 1x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	512KB (512K x 8)	Core Processor	PIC
Peripherals	DMA, LCD, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	100-TQFP	Base Product Number	PIC24FJ512GL410

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24FJ512GL410-I/PT

Product Attribute					
Part Number	PIC24FJ512GL410-I/PT	<a href="#">PIC24FJ64GA002-E/SO</a>	<a href="#">PIC24FJ64GA002-E/SS</a>	<a href="#">PIC24FJ512GU408-I/PT</a>	
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology	
Supplier Device Package	100-TQFP (12x12)	28-SOIC	28-SSOP	80-TQFP (12x12)	
Data Converters	A/D 24x10b/12b; D/A 1x10b	A/D 10x10b	A/D 10x10b	A/D 24x10b/12b; D/A 1x10b	
Program Memory Size	512KB (512K x 8)	64KB (22K x 24)	64KB (22K x 24)	512KB (512K x 8)	
Voltage - Supply (Vcc/Vdd)	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	2V ~ 3.6V	
Core Size	16-Bit	16-Bit	16-Bit	16-Bit	
Peripherals	DMA, LCD, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, LVD, POR, PWM, WDT	DMA, LCD, PWM, WDT	
Series	Automotive, AEC-Q100, PIC® 24F	PIC® 24F	PIC® 24F	Automotive, AEC-Q100, PIC® 24F	
Oscillator Type	External	Internal	Internal	External	
RAM Size	32K x 8	8K x 8	8K x 8	32K x 8	
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount	
Speed	32MHz	32MHz	32MHz	32MHz	
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, PMP, SPI, UART/USART	I²C, PMP, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART, USB	
Program Memory Type	FLASH	FLASH	FLASH	FLASH	
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	
EEPROM Size	-	-	-	-	
Package / Case	100-TQFP	28-SOIC (0.295", 7.50mm Width)	28-SSOP (0.209", 5.30mm Width)	80-TQFP	
Package	Tray	Tube	Tube	Tray	
Core Processor	PIC	PIC	PIC	PIC	
Base Product Number	PIC24FJ512GL410	PIC24FJ64GA002	PIC24FJ64GA002	PIC24FJ512GU408	

### PIC24FJ512GL410-I/PT Datasheet PDF

Download PIC24FJ512GL410-I/PT pdf datasheets and Microchip Technology documentation for PIC24FJ512GL410-I/PT - Microchip Technology.

#### Datasheets

[PIC24FJ512GU410 Family~.pdf](#)

#### PCN Design/Specification

[PIC24FJ512GU410 09/Aug/2021.pdf](#)




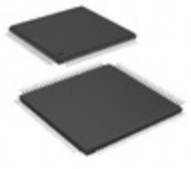

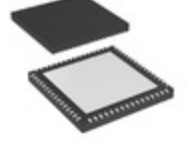




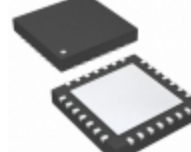

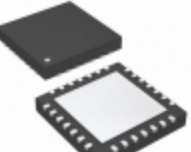


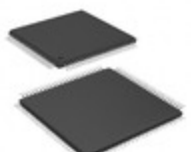
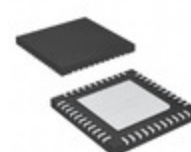

#### Errata



PIC24FJ512GU410 Family Errata, Clarification~.pdf

## Customers Also Interested in

### Recommended Products

					
<b>PIC24FJ64GA002-E/SO</b>	<b>PIC24FJ64GA002-E/SS</b>	<b>PIC24FJ512GU408-I/PT</b>	<b>PIC24FJ512GB610-I/PT</b>	<b>PIC24FJ64GA002-I/SO</b>	<b>PIC24FJ512GB606-I/MR</b>
Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 64KB FLASH 28SSOP	Microchip Technology IC MCU 16BIT 512KB FLASH 80TQFP	Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 512KB FLASH 64QFN
					
<b>PIC24FJ48GA004-E/PT</b>	<b>PIC24FJ48GA004-I/PT</b>	<b>PIC24FJ512GA606-I/PT</b>	<b>PIC24FJ64GA-004-I/PT</b>	<b>PIC24FJ64GA002-I/ML</b>	<b>PIC24FJ512GB606-I/PT</b>
Microchip Technology IC MCU 16BIT 48KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 48KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP	Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 64KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP
					
<b>PIC24FJ64GA002-E/ML</b>	<b>PIC24FJ64GA002-I/SP</b>	<b>PIC24FJ512GB606T-I/PT</b>	<b>PIC24FJ512GU410-I/PT</b>	<b>PIC24FJ48GA004-I/ML</b>	<b>PIC24FJ48GA004T-I/PT</b>
Microchip Technology IC MCU 16BIT 64KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 64KB FLASH 28SPDIP	Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 48KB FLASH 44QFN	Microchip Technology IC MCU 16BIT 48KB FLASH 44TQFP

## 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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### Certifications & Memberships



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