



Image may be representation.
See specifications for product details.



PIC24EP512GP206-I/PT

Manufacturer Part Number **PIC24EP512GP206-I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC24EP512GP206-I/PT**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 16BIT 512KB FLASH 64TQFP**

Package **64-TQFP**

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

[dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Datasheet.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC24EP512GP206-I/PT - Microchip Technology.New Original in Stock. Download Linear Technology PIC24EP512GP206-I/PT datasheet/specifications on AllelcoElec.com.
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Specifications

PIC24EP512GP206-I/PT Tech Specifications

PIC24EP512GP206-I/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)	3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-TQFP (10x10)	Number of I/O	53
Speed	70 MIPS	Mounting Type	Surface Mount
Series	PIC® 24EP	EEPROM Size	-
RAM Size	24K x 16	Data Converters	A/D 16x10b/12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	512KB (170K x 24)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	PIC24EP512GP206
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24EP512GP206-I/PT

Product Attribute				
Part Number	PIC24EP512GP206-I/PT	PIC24EP32GP204-I/PT	PIC24EP64GP202-I/SO	PIC24EP512MC206-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	64-TQFP	44-TQFP	28-SOIC (0.295", 7.50mm Width)	64-TQFP
Data Converters	A/D 16x10b/12b	A/D 9x10b/12b	A/D 6x10b/12b	A/D 16x10b/12b
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	PIC24EP512GP206	PIC24EP32GP204	PIC24EP64GP202	PIC24EP512MC206
RAM Size	24K x 16	2K x 16	4K x 16	24K x 16
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, Motor Control PWM, POR, PWM, WDT
Package	Tray	Tray	Tube	Tray
Core Processor	PIC	PIC	PIC	PIC
Program Memory Size	512KB (170K x 24)	32KB (10.7K x 24)	64KB (22K x 24)	512KB (170K x 24)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	53	35	21	53
EEPROM Size	-	-	-	-
Supplier Device Package	64-TQFP (10x10)	44-TQFP (10x10)	28-SOIC	64-TQFP (10x10)
Oscillator Type	Internal	Internal	Internal	Internal
Speed	70 MIPS	70 MIPS	70 MIPS	70 MIPS
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Series	PIC® 24EP	PIC® 24EP	PIC® 24EP	PIC® 24EP
Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, LINbus, QEI, SPI, UART/USART

PIC24EP512GP206-I/PT Datasheet PDF

Download PIC24EP512GP206-I/PT pdf datasheets and Microchip Technology documentation for PIC24EP512GP206-I/PT - Microchip Technology.

Datasheets

[dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Datasheet.pdf](#)

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

MBB/Label Chgs 16/Nov/2018.pdf

HTML Datasheet

Cylindrical Battery Holders.pdf

PCN Design/Specification

dsPIC33EP/PIC24EP 18/Jun/2020.pdf


Errata/Datasheet Update 10/Apr/2014.pdf






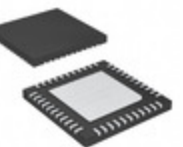

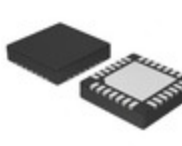

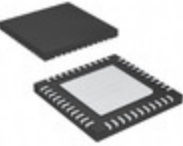
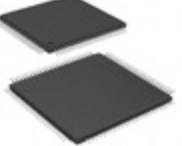

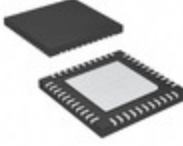

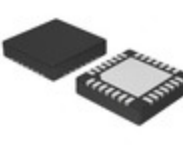


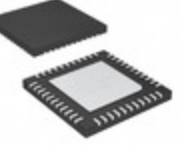
PCN Assembly/Origin

2.73KHz.pdf

Customers Also Interested in

Recommended Products



 PIC24EP32GP204-I/PT Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	 PIC24EP64GP202-I/SO Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC	 PIC24EP512MC206-I/PT Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP	 PIC24EP512GU810-I/PF Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	 PIC24EP512GP806-E/PT Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP	 PIC24EP512GP204-I/ML Microchip Technology IC MCU 16BIT 512KB FLASH 44QFN
 PIC24EP512GU814-I/PL Microchip Technology IC MCU 16BIT 512KB FLASH 144LQFP	 PIC24EP32GP202-E/MM Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN	 PIC24EP512GU814-I/PH Microchip Technology IC MCU 16BIT 512KB FLASH 144TQFP	 PIC24EP32GP204-I/ML Microchip Technology IC MCU 16BIT 32KB FLASH 44QFN	 PIC24EP512GU810-I/PT Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	 PIC24EP512GP206-E/PT Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP
 PIC24EP512GP204T-I/ML Microchip Technology IC MCU 16BIT 512KB FLASH 44QFN	 PIC24EP32MC202-E/SS Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	 PIC24EP64GP202-I/MM Microchip Technology IC MCU 16BIT 64KB FLASH 28QFN	 PIC24EP512GU810-E/PF Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	 PIC24EP32GP202-I/SS Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	 PIC24EP32MC204-I/ML Microchip Technology IC MCU 16BIT 32KB FLASH 44QFN

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.



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Contact us if you have any questions.

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Certifications & Memberships



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