

Image may be representation.
See specifications for product details.



PIC24EP512GP204-I/ML

Manufacturer Part Number	PIC24EP512GP204-I/ML
Manufacturer	Microchip Technology
Allelco Part Number	32D-PIC24EP512GP204-I/ML
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16BIT 512KB FLASH 44QFN
Package	44-VQFN Exposed Pad
Data sheet	Cylindrical Battery Holders.pdf dsPIC(33,24)EPzzz(GP,MC)20x,50x Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

PIC24EP512GP204-I/ML - Microchip Technology.New Original in Stock. Download Linear Technology PIC24EP512GP204-I/ML datasheet/specifications on AllelcoElec.com. Request a quote for PIC24EP512GP204-I/ML, please send us email: info@allelco.com

Specifications

PIC24EP512GP204-I/ML Tech Specifications
PIC24EP512GP204-I/ML - 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	44-QFN (8x8)	Number of I/O	35
Speed	70 MIPS	Mounting Type	Surface Mount
Series	PIC® 24EP	EEPROM Size	-
RAM Size	24K x 16	Data Converters	A/D 9x10b/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	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	44-VQFN Exposed Pad	Base Product Number	PIC24EP512GP204
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC24EP512GP204-I/ML

Product Attribute				
Part Number	PIC24EP512GP204-I/ML	PIC24EP512GP806-E/PT	PIC24EP512GU810-I/PF	PIC24EP32GP202-E/MM
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	-	-	-	-
Package	Tube	Tray	Tray	Tube
Supplier Device Package	44-QFN (8x8)	64-TQFP (10x10)	100-TQFP (14x14)	28-QFN-S (6x6)
Data Converters	A/D 9x10b/12b	A/D 24x10/12b	A/D 32x10b/12b	A/D 6x10b/12b
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
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	35	53	83	21
Core Processor	PIC	PIC	PIC	PIC
Package / Case	44-VQFN Exposed Pad	64-TQFP	100-TQFP	28-VQFN Exposed Pad
Oscillator Type	Internal	Internal	Internal	Internal
Speed	70 MIPS	60 MIPS	60 MIPS	60 MIPS
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	512KB (170K x 24)	512KB (170K x 24)	512KB (170K x 24)	32KB (10.7K x 24)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART, USB OTG	I²C, IrDA, LINbus, SPI, UART/USART
RAM Size	24K x 16	24K x 16	24K x 16	2K x 16
Base Product Number	PIC24EP512GP204	PIC24EP512GP806	PIC24EP512GU810	PIC24EP32GP202
Series	PIC® 24EP	Automotive, AEC-Q100, PIC® 24EP	PIC® 24EP	Automotive, AEC-Q100, PIC® 24EP


PIC24EP512GP204-I/ML Datasheet PDF


Download PIC24EP512GP204-I/ML pdf datasheets and Microchip Technology documentation for PIC24EP512GP204-I/ML - 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



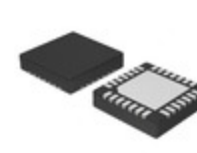
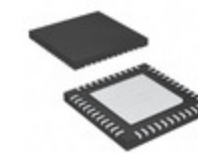

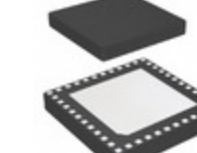
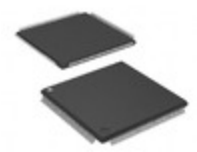

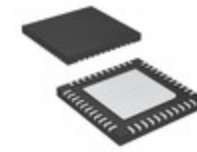


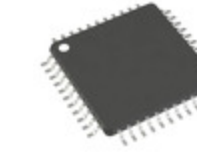
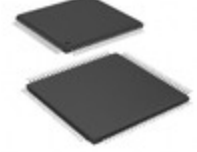



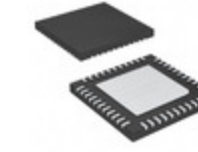

 dsPIC33EP/PIC24EP 18/Jun/2020.pdf

PCN Assembly/Origin

 2.73KHz.pdf

Customers Also Interested in

Recommended Products

					
PIC24EP512GP806-E/PT Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP	PIC24EP512GU810-I/PF Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	PIC24EP32GP202-E/MM Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN	PIC24EP32MC204-I/ML Microchip Technology IC MCU 16BIT 32KB FLASH 44QFN	PIC24EP512GP206-E/PT Microchip Technology IC MCU 16BIT 512KB FLASH 64TQFP	PIC24EP256MC204-I/TL Microchip Technology IC MCU 16BIT 256KB FLASH 44VTLA
					
PIC24EP512GU814-I/PL Microchip Technology IC MCU 16BIT 512KB FLASH 144LQFP	PIC24EP512GU810-E/PF Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	PIC24EP32GP204-I/ML Microchip Technology IC MCU 16BIT 32KB FLASH 44QFN	PIC24EP32GP204-I/PT Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	PIC24EP512GU814-I/PH Microchip Technology IC MCU 16BIT 512KB FLASH 144TQFP	PIC24EP256MC204-I/PT Microchip Technology IC MCU 16BIT 256KB FLASH 44TQFP
					
PIC24EP512GU810-I/PT Microchip Technology IC MCU 16BIT 512KB FLASH 100TQFP	PIC24EP32GP202-I/SS Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	PIC24EP32MC202-E/SS Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	PIC24EP256MC206-I/PT Microchip Technology IC MCU 16BIT 256KB FLASH 64TQFP	PIC24EP512GP204T-I/ML Microchip Technology IC MCU 16BIT 512KB FLASH 44QFN	PIC24EP512GP206-I/PT Microchip Technology IC MCU 16BIT 512KB 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
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Contact us if you have any questions.

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