



Image may be representation.  
See specifications for product details.



## DSPIC33FJ32MC204-H/PT

Manufacturer Part Number	<b>DSPIC33FJ32MC204-H/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-DSPIC33FJ32MC204-H/PT
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 32KB FLASH 44TQFP
Package	44-TQFP
Data sheet	<a href="#">Cylindrical Battery Holders.pdf</a> <a href="#">DSPIC33FJ32MC20x,16MC304 Datasheet.pdf</a> <a href="#">DSPIC33FJzzzMCx02/x04 Datasheet.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

DSPIC33FJ32MC204-H/PT - Microchip Technology.New Original in Stock. Download Linear Technology DSPIC33FJ32MC204-H/PT datasheet/specifications on AllelcoElec.com.  
Request a quote for DSPIC33FJ32MC204-H/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

DSPIC33FJ32MC204-H/PT Tech Specifications  
DSPIC33FJ32MC204-H/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 ~ 150°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	35
Speed	20 MIPS	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, dsPIC™ 33F	EEPROM Size	-
RAM Size	2K x 8	Data Converters	A/D 9x10b/12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	DSPIC33FJ32MC204
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ32MC204-H/PT

Product Attribute				
Part Number	DSPIC33FJ32MC204-H/PT	DSPIC33FJ32MC202-I/MM	DSPIC33FJ32MC202-I/SS	DSPIC33FJ32MC204T-I/ML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	44-TQFP	28-VQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)	44-VQFN Exposed Pad
EEPROM Size	-	-	-	-
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT
Number of I/O	35	21	21	35
Data Converters	A/D 9x10b/12b	A/D 6x10b/12b	A/D 6x10b/12b	A/D 9x10b/12b
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Package	Tray	Tube	Tube	Tape & Reel (TR)
Series	Automotive, AEC-Q100, dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	44-TQFP (10x10)	28-QFN-S (6x6)	28-SSOP	44-QFN (8x8)
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Speed	20 MIPS	40 MIPS	40 MIPS	40 MIPS
Base Product Number	DSPIC33FJ32MC204	DSPIC33FJ32MC202	DSPIC33FJ32MC202	DSPIC33FJ32MC204
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Operating Temperature	-40°C ~ 150°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)

### DSPIC33FJ32MC204-H/PT Datasheet PDF


Download DSPIC33FJ32MC204-H/PT pdf datasheets and Microchip Technology documentation for DSPIC33FJ32MC204-H/PT - Microchip Technology.

#### Datasheets

[DSPIC33FJ32MC20x,16MC304 Datasheet.pdf](#)

[DSPIC33FJzzzMCx02/x04 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 Assembly/Origin







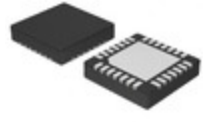
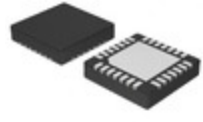

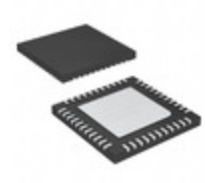


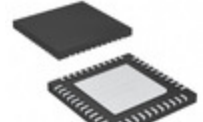
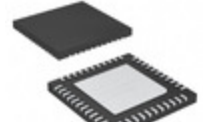

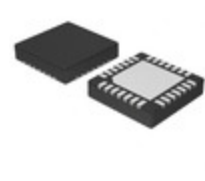



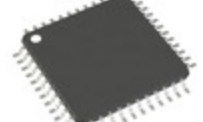
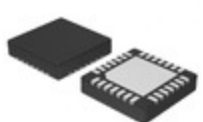



 Qualification Lead-Frame 03/Jun/2014.pdf

## PCN Design/Specification

 New DeviceDoc 23/May/2016.pdf

## Customers Also Interested in

### Recommended Products

					
					
<b>DSPIC33FJ32MC202T-E/MM</b>	<b>DSPIC33FJ32MC202-I/MM</b>	<b>DSPIC33FJ32MC202-I/SS</b>	<b>DSPIC33FJ32MC204T-I/ML</b>	<b>DSPIC33FJ32MC202-I/SO</b>	<b>DSPIC33FJ32MC202-E/SS</b>
Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP	Microchip Technology IC MCU 16BIT 32KB FLASH 44QFN	Microchip Technology IC MCU 16BIT 32KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 32KB FLASH 28SSOP
					
<b>DSPIC33FJ32MC202-I/SP</b>	<b>DSPIC33FJ64GP204-I/ML</b>	<b>DSPIC33FJ64GP202-I/SO</b>	<b>DSPIC33FJ32MC202-H/MM</b>	<b>DSPIC33FJ64GP204-I/PT</b>	<b>DSPIC33FJ64GP204-E/PT</b>
Microchip Technology IC MCU 16BIT 32KB FLASH 28SPDIP	Microchip Technology IC MCU 16BIT 64KB FLASH 44QFN	Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP
					
<b>DSPIC33FJ32MC204T-I/PT</b>	<b>DSPIC33FJ32MC304-I/PT</b>	<b>DSPIC33FJ32MC302-E/MM</b>	<b>DSPIC33FJ32MC204-E/PT</b>	<b>DSPIC33FJ32MC204-I/PT</b>	<b>DSPIC33FJ32MC202-E/SO</b>
Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 28SOIC

## 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 Alleco 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 -

- |                                                                                                                    |                                                                                                                |                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <br>Efficient Supply Management | <br>Cost-Saving Procurement | <br>Fast Sourcing & Delivery |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

Contact us if you have any questions.

- |                                                                                                                  |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
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|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|

## Certifications & Memberships



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