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See specifications for product details.



## DSPIC33EP128MC206-I/MR

Manufacturer Part Number	<b>DSPIC33EP128MC206-I/MR</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-DSPIC33EP128MC206-I/MR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 128KB FLASH 64VQFN
Package	64-VFQFN Exposed Pad
Data sheet	<a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x Datasheet.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

DSPIC33EP128MC206-I/MR - Microchip Technology.New Original in Stock. Download Linear Technology DSPIC33EP128MC206-I/MR datasheet/specifications on AllelcoElec.com.  
Request a quote for DSPIC33EP128MC206-I/MR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

DSPIC33EP128MC206-I/MR Tech Specifications  
DSPIC33EP128MC206-I/MR - 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-VQFN (9x9)	Number of I/O	53
Speed	70 MIPS	Mounting Type	Surface Mount
Series	dsPIC™ 33EP	EEPROM Size	-
RAM Size	8K x 16	Data Converters	A/D 16x10b/12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (43K x 24)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, QEI, SPI, UART/USART
Package / Case	64-VFQFN Exposed Pad	Base Product Number	DSPIC33EP128MC206
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33EP128MC206-I/MR

Product Attribute				
Part Number	DSPIC33EP128MC206-I/MR	DSPIC33EP128MC206T-I/PT	DSPIC33EP128MC206-I/PT	DSPIC33EP128MC502-I/SP
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Speed	70 MIPS	70 MIPS	70 MIPS	70 MIPS
EEPROM Size	-	-	-	-
Package / Case	64-VFQFN Exposed Pad	64-TQFP	64-TQFP	28-DIP (0.300", 7.62mm)
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Number of I/O	53	53	53	21
RAM Size	8K x 16	8K x 16	8K x 16	8K x 16
Series	dsPIC™ 33EP	dsPIC™ 33EP	dsPIC™ 33EP	dsPIC™ 33EP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Through Hole
Connectivity	I²C, IrDA, LINbus, QEI, SPI, UART/USART	I²C, IrDA, LINbus, QEI, SPI, UART/USART	I²C, IrDA, LINbus, QEI, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	128KB (43K x 24)	128KB (43K x 24)	128KB (43K x 24)	128KB (43K x 24)
Data Converters	A/D 16x10b/12b	A/D 16x10b/12b	A/D 16x10b/12b	A/D 6x10b/12b
Supplier Device Package	64-VQFN (9x9)	64-TQFP (10x10)	64-TQFP (10x10)	28-SPDIP
Base Product Number	DSPIC33EP128MC206	DSPIC33EP128MC206	DSPIC33EP128MC206	DSPIC33EP128MC502
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tube	Tape & Reel (TR)	Tray	Tube
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT

### DSPIC33EP128MC206-I/MR Datasheet PDF

Download DSPIC33EP128MC206-I/MR pdf datasheets and Microchip Technology documentation for DSPIC33EP128MC206-I/MR - Microchip Technology.

#### Datasheets

dsPIC(33,24)EPzzz(GP,MC)20x,50x Datasheet.pdf

#### PCN Packaging

PCN Packaging

## PCN Design/Specification










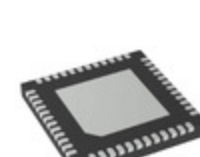
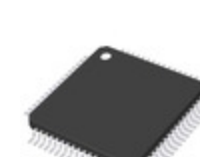
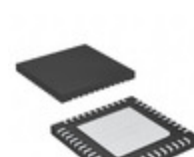



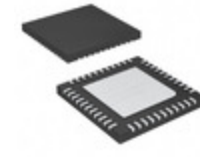
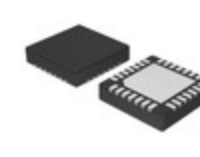

 dsPIC33EP/PIC24EP 18/Jun/2020.pdf

## PCN Assembly/Origin

 2.73KHz.pdf

## Customers Also Interested in

### Recommended Products

					
<b>DSPIC33EP128MC206T-I/PT</b>	<b>DSPIC33EP128MC206-I/PT</b>	<b>DSPIC33EP128MC504</b>	<b>DSPIC33EP128MC502-I/SP</b>	<b>DSPIC33EP128MC504-E</b>	<b>DSPIC33EP128MC504-I/PT</b>
Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 128KB FLASH 28SPDIP	Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP
					
<b>DSPIC33EP128MC202-I/SS</b>	<b>DSPIC33EP128GS806T-E/PT</b>	<b>DSPIC33EP128MC504-I-ML</b>	<b>DSPIC33EP128MC504-I/MV</b>	<b>DSPIC33EP128GS806-I/PT</b>	<b>DSPIC33EP128MC504-I/ML</b>
Microchip Technology IC MCU 16BIT 128KB FLASH 28SSOP	Micrel / Microchip Technology	Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 128KB FLASH 48UQFN	Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFN
					
<b>DSPIC33EP128GS808-I/PT</b>	<b>DSPIC33EP128MC202-I/SO</b>	<b>DSPIC33EP128MC202-E/SO</b>	<b>DSPIC33EP128MC204T-I/ML</b>	<b>DSPIC33EP128MC202-I/MM</b>	<b>DSPIC33EP128MC204-I/PT</b>
Microchip Technology IC MCU 16BIT 128KB FLASH 80TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 128KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 128KB FLASH 44QFN	Microchip Technology IC MCU 16BIT 128KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 128KB 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
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Contact us if you have any questions.

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