



Image may be representation.  
See specifications for product details.



## DSPIC33EP128GP506-I/PT

Manufacturer Part Number	<b>DSPIC33EP128GP506-I/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-DSPIC33EP128GP506-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16BIT 128KB FLASH 64TQFP
Package	64-TQFP
Data sheet	<a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x Datasheet.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

DSPIC33EP128GP506-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology DSPIC33EP128GP506-I/PT datasheet/specifications on AllelcoElec.com.  
Request a quote for DSPIC33EP128GP506-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

DSPIC33EP128GP506-I/PT Tech Specifications  
DSPIC33EP128GP506-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	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, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	DSPIC33EP128GP506
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33EP128GP506-I/PT

Product Attribute				
Part Number	DSPIC33EP128GP506-I/PT	<b>DSPIC33EP128GS705-I/PT</b>	<b>DSPIC33EP128GM310-I/PF</b>	DSPIC33EP128GP506T-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Package / Case	64-TQFP	48-TQFP	100-TQFP	64-TQFP
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	DSPIC33EP128GP506	DSPIC33EP128GS705	DSPIC33EP128GM310	DSPIC33EP128GP506
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Package	Tray	Tray	Tray	Tape & Reel (TR)
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)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, I <sup>2</sup> S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I <sup>2</sup> S, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
Series	dsPIC™ 33EP	dsPIC™ 33EP, Functional Safety (FuSa)	dsPIC™ 33EP	dsPIC™ 33EP
Data Converters	A/D 16x10b/12b	A/D 17x12b; D/A 1x12b	A/D 49x10b/12b	A/D 16x10b/12b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Program Memory Size	128KB (43K x 24)	128KB (43K x 24)	128KB (43K x 24)	128KB (43K x 24)
Supplier Device Package	64-TQFP (10x10)	48-TQFP (7x7)	100-TQFP (14x14)	64-TQFP (10x10)
EEPROM Size	-	-	-	-
Number of I/O	53	33	85	53
RAM Size	8K x 16	8K x 8	16K x 8	8K x 16
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	I <sup>2</sup> C, IrDA, LINbus, QEI, SPI, UART/USART	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART

### DSPIC33EP128GP506-I/PT Datasheet PDF

Download DSPIC33EP128GP506-I/PT pdf datasheets and Microchip Technology documentation for DSPIC33EP128GP506-I/PT - Microchip Technology.

#### Datasheets

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

#### PCN Packaging

2.73KHz.pdf

## PCN Design/Specification


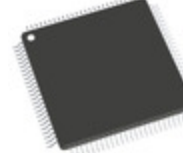



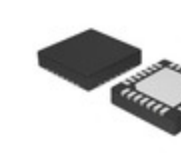

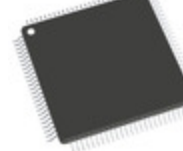










Cylindrical Battery Holders.pdf

## PCN Assembly/Origin

2.73KHz.pdf

## Customers Also Interested in

### Recommended Products

					
<b>DSPIC33EP128GS705-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 48TQFP	<b>DSPIC33EP128GM310-I/PF</b> Microchip Technology IC MCU 16BIT 128KB FLASH 100TQFP	<b>DSPIC33EP128GP506T-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	<b>DSPIC33EP128GS804-E/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP	<b>DSPIC33EP128GP502-I/SO</b> Microchip Technology IC MCU 16BIT 128KB FLASH 28SOIC	<b>DSPIC33EP128GP502-I/MM</b> Microchip Technology IC MCU 16BIT 128KB FLASH 28QFN
					
<b>DSPIC33EP128GS702-I/SO</b> Microchip Technology IC MCU 16BIT 128KB FLASH 28SOIC	<b>DSPIC33EP128GM710-E/PF</b> Microchip Technology IC MCU 16BIT 128KB FLASH 100TQFP	<b>DSPIC33EP128GM604-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP	<b>DSPIC33EP128GS804T-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP	<b>DSPIC33EP128GM306-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	<b>DSPIC33EP128GM706-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP
					
<b>DSPIC33EP128GS708-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 80TQFP	<b>DSPIC33EP128GP506-E/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	<b>DSPIC33EP128GP504-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP	<b>DSPIC33EP128GS706T-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	<b>DSPIC33EP128GS706-I/PT</b> Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	<b>DSPIC33EP128GP502-I/SP</b> Microchip Technology IC MCU 16BIT 128KB FLASH 28SPDIP

## 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.

 Phone +00852 9146 4856	 Email info@allelco.com
--	--

## Certifications & Memberships



View More

### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com

