



Image may be representation.  
See specifications for product details.



## DSPIC33FJ256GP510A-I/PT

Manufacturer Part Number	<b>DSPIC33FJ256GP510A-I/PT</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-DSPIC33FJ256GP510A-I/PT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16BIT 256KB FLASH 100TQFP
Package	100-TQFP
Data sheet	<b>Cylindrical Battery Holders.pdf</b> <b>DSPIC33FJyyyGPy06/08/10A.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

DSPIC33FJ256GP510A-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology DSPIC33FJ256GP510A-I/PT datasheet/specifications on AllelcoElec.com.  
Request a quote for DSPIC33FJ256GP510A-I/PT, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

DSPIC33FJ256GP510A-I/PT Tech Specifications  
DSPIC33FJ256GP510A-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	100-TQFP (12x12)	Number of I/O	85
Speed	40 MIPS	Mounting Type	Surface Mount
Series	dsPIC™ 33F	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 32x10b/12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	256KB (256K x 8)	Core Processor	dsPIC
Peripherals	AC97, Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
Package / Case	100-TQFP	Base Product Number	DSPIC33FJ256GP510
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ256GP510A-I/PT

Product Attribute				
Part Number	DSPIC33FJ256GP510A-I/PT	DSPIC33FJ256GP506A-I/PT	DSPIC33FJ256GP506-I/PT	DSPIC33FJ16MC304-H/ML
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)	16KB (16K x 8)
Speed	40 MIPS	40 MIPS	40 MIPS	20 MIPS
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	AC97, Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	AC97, Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	AC97, Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Package	Tray	Tray	Tray	Tube
Base Product Number	DSPIC33FJ256GP510	DSPIC33FJ256GP506	DSPIC33FJ256GP506	DSPIC33FJ16MC304
Number of I/O	85	53	53	35
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 32x10b/12b	A/D 18x10b/12b	A/D 18x10b/12b	A/D 9x10b/12b
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Supplier Device Package	100-TQFP (12x12)	64-TQFP (10x10)	64-TQFP (10x10)	44-QFN (8x8)
RAM Size	16K x 8	16K x 8	16K x 8	2K x 8
EEPROM Size	-	-	-	-
Series	dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F	Automotive, AEC-Q100, dsPIC™ 33F
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 150°C (TA)
Package / Case	100-TQFP	64-TQFP	64-TQFP	44-VQFN Exposed Pad
Connectivity	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	CANbus, I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART

### DSPIC33FJ256GP510A-I/PT Datasheet PDF

Download DSPIC33FJ256GP510A-I/PT pdf datasheets and Microchip Technology documentation for DSPIC33FJ256GP510A-I/PT - Microchip Technology.

#### Datasheets

DSPIC33FJyyyGPy06/08/10A.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




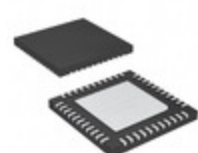







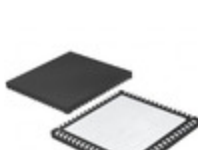






2.73KHz.pdf

### PCN Design/Specification

Cylindrical Battery Holders.pdf

## Customers Also Interested in

### Recommended Products

					
<b>DSPIC33FJ256GP506A-I/PT</b>	<b>DSPIC33FJ256GP506I/P</b>	<b>DSPIC33FJ256GP506-I/PT</b>	<b>DSPIC33FJ16MC304-H/ML</b>	<b>DSPIC33FJ16MC102T-I/SO</b>	<b>DSPIC33FJ256GP710A-E/PT</b>
Microchip Technology IC MCU 16BIT 256KB FLASH 64TQFP	Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 256KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 16KB FLASH 44QFN	Microchip Technology IC MCU 16BIT 16KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP
					
<b>DSPIC33FJ256MC510-I/PT</b>	<b>DSPIC33FJ256GP710A-E/PF</b>	<b>DSPIC33FJ256GP510-I/PT</b>	<b>DSPIC33FJ256MC510A-E/PF</b>	<b>DSPIC33FJ16MC304-I/PT</b>	<b>DSPIC33FJ256GP506A-I/MR</b>
Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 16KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 64VQFN
					
<b>DSPIC33FJ256MC510A-E/PT</b>	<b>DSPIC33FJ256GP710-I/PF</b>	<b>DSPIC33FJ16MC102-I/SP</b>	<b>DSPIC33FJ256GP710-I/PT</b>	<b>DSPIC33FJ256GP710A-I/PT</b>	<b>DSPIC33FJ256GP710A-I/PF</b>
Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 16KB FLASH 28SPDIP	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 100TQFP

## 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.

 Phone +00852 9146 4856	 Email info@allelco.com
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### Certifications & Memberships



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