



## DSPIC33FJ128GP802-E/SP

Manufacturer Part Number **DSPIC33FJ128GP802-E/SP**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-DSPIC33FJ128GP802-E/SP**

ECAD Model  PCB Symbol, Footprint & 3D Mode

Parts Description **IC MCU 16BIT 128KB FLASH 28SPDIP**

Package **28-DIP (0.300", 7.62mm)**

Data sheet **16-bit Embedded Control Solutions.pdf**

**16-bit Embedded Control Solutions.pdf**

**DSPIC33FJzzzGPx02/x04 Datasheet.pdf**

RoHS Status  **ROHS3 Compliant**



**Get a Quote**

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### Specifications


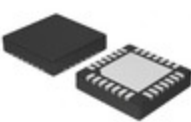


DSPIC33FJ128GP802-E/SP Tech Specifications

DSPIC33FJ128GP802-E/SP - 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 ~ 125°C (TA)
Supplier Device Package	28-SPDIP	Number of I/O	21
Speed	40 MIPS	Mounting Type	Through Hole
Series	Automotive, AEC-Q100, dsPIC™ 33F	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 10x10b/12b; D/A 2x16b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, WDT	Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	28-DIP (0.300", 7.62mm)	Base Product Number	DSPIC33FJ128GP802
Package	Tube		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ128GP802-E/SP

Product Attribute				
Part Number	DSPIC33FJ128GP802-E/SP	DSPIC33FJ128GP802-E/MM	DSPIC33FJ128GP710A-I/PT	DSPIC33FJ128GP804-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	Automotive, AEC-Q100, dsPIC™ 33F	Automotive, AEC-Q100, dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F
Package / Case	28-DIP (0.300", 7.62mm)	28-VQFN Exposed Pad	100-TQFP	44-TQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	28-SPDIP	28-QFN-S (6x6)	100-TQFP (12x12)	44-TQFP (10x10)
Base Product Number	DSPIC33FJ128GP802	DSPIC33FJ128GP802	DSPIC33FJ128GP710	DSPIC33FJ128GP804
RAM Size	16K x 8	16K x 8	16K x 8	16K x 8
Number of I/O	21	21	85	35
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	-	-	-	-
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
Speed	40 MIPS	40 MIPS	40 MIPS	40 MIPS
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tube	Tube	Tray	Tray
Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART
Data Converters	A/D 10x10b/12b; D/A 2x16b	A/D 10x10b/12b; D/A 2x16b	A/D 32x10b/12b	A/D 13x10b/12b; D/A 2x16b
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Peripherals	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, WDT	AC97, Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, WDT
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount

### DSPIC33FJ128GP802-E/SP Datasheet PDF

Download DSPIC33FJ128GP802-E/SP pdf datasheets and Microchip Technology documentation for DSPIC33FJ128GP802-E/SP - Microchip Technology.

#### Datasheets




16-bit Embedded Control Solutions.pdf



DSPIC33FJzzzGPx02/x04 Datasheet.pdf

 Label and Packing Changes 23/Sep/2015.pdf


 Packing Changes 10/Oct/2016.pdf

## HTML Datasheet

 16-bit Embedded Control Solutions.pdf

## PCN Design/Specification

 Multiple Devices 21/May/2013.pdf

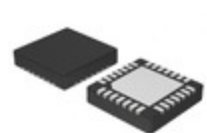
 Multiple Devices Errata Revision 06/Aug/2013.pdf

## PCN Assembly/Origin

 Qualification Revision 06/Feb/2014.pdf

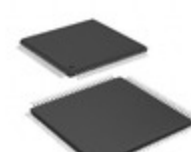
## Customers Also Interested in

### Recommended Products



**DSPIC33FJ128GP802-E/MM**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 28QFN



**DSPIC33FJ128GP710A-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 100TQFP



**DSPIC33FJ128GP804-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 44TQFP



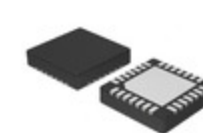
**DSPIC33FJ128MC204-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 44TQFP



**DSPIC33FJ128GP804-E/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 44TQFP



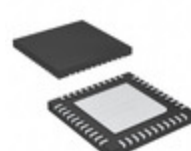
**DSPIC33FJ128GP802-I/MM**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 28QFN



**DSPIC33FJ128GP802-I/SO**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 28SOIC



**DSPIC33FJ128GP804-I/ML**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 44QFN



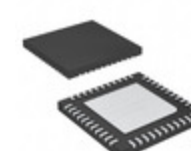
**DSPIC33FJ128GP706A-E/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 64TQFP



**DSPIC33FJ128MC202-E/SO**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 28SOIC



**DSPIC33FJ128MC204-I/ML**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 44QFN



**DSPIC33FJ128GP710-I/PF**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 100TQFP



**DSPIC33FJ128GP706A-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 64TQFP



**DSPIC33FJ128GP708A-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 80TQFP



**DSPIC33FJ128GP710-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 100TQFP



**DSPIC33FJ128GP708-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 80TQFP



**DSPIC33FJ128MC506-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 64TQFP



**DSPIC33FJ128GP708AT-I/PT**

Microchip Technology  
IC MCU 16BIT 128KB FLASH 80TQFP

## 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.



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+00852 9146 4856



Email

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## Certifications & Memberships



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