



Image may be representation.
See specifications for product details.



DSPIC33FJ128MC506-I/PT

Manufacturer Part Number	DSPIC33FJ128MC506-I/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-DSPIC33FJ128MC506-I/PT
ECAD Model	PCB Footprint and Symbol
Parts Description	IC MCU 16BIT 128KB FLASH 64TQFP
Package	64-TQFP
Data sheet	16-bit Embedded Control Solutions.pdf DSPIC33F Product Overview.pdf DSPIC33FJzzzMCx06,x08,x10 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

DSPIC33FJ128MC506-I/PT - Microchip Technology.New Original in Stock. Download Linear Technology DSPIC33FJ128MC506-I/PT datasheet/specifications on AllelcoElec.com.
Request a quote for DSPIC33FJ128MC506-I/PT, please send us email: info@allelco.com

Specifications

DSPIC33FJ128MC506-I/PT Tech Specifications
DSPIC33FJ128MC506-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	40 MIPS	Mounting Type	Surface Mount
Series	dsPIC™ 33F	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 16x10b/12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (128K x 8)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	DSPIC33FJ128MC506
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ128MC506-I/PT

Product Attribute				
Part Number	DSPIC33FJ128MC506-I/PT	DSPIC33FJ128MC202-E/SO	DSPIC33FJ128GP804-I/ML	DSPIC33FJ128GP804-E/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Base Product Number	DSPIC33FJ128MC506	DSPIC33FJ128MC202	DSPIC33FJ128GP804	DSPIC33FJ128GP804
Data Converters	A/D 16x10b/12b	A/D 6x10b/12b	A/D 13x10b/12b; D/A 2x16b	A/D 13x10b/12b; D/A 2x16b
Series	dsPIC™ 33F	Automotive, AEC-Q100, dsPIC™ 33F	dsPIC™ 33F	Automotive, AEC-Q100, dsPIC™ 33F
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, DCI, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DCI, DMA, I²S, POR, PWM, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
Package	Tray	Tube	Tube	Tray
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
RAM Size	8K x 8	8K x 8	16K x 8	16K x 8
Supplier Device Package	64-TQFP (10x10)	28-SOIC	44-QFN (8x8)	44-TQFP (10x10)
Number of I/O	53	21	35	35
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Package / Case	64-TQFP	28-SOIC (0.295", 7.50mm Width)	44-VQFN Exposed Pad	44-TQFP
Speed	40 MIPS	40 MIPS	40 MIPS	40 MIPS

DSPIC33FJ128MC506-I/PT Datasheet PDF

Download DSPIC33FJ128MC506-I/PT pdf datasheets and Microchip Technology documentation for DSPIC33FJ128MC506-I/PT - Microchip Technology.

Datasheets

DSPIC33FJzzzMCx06,x08,x10 Datasheet.pdf

PCN Packaging



Label and Packing Changes 23/Sep/2015.pdf



MBB/Label Chgs 16/Nov/2018.pdf

HTML Datasheet



16-bit Embedded Control Solutions.pdf



DSPIC33F Product Overview.pdf

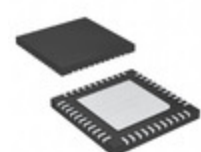
PCN Assembly/Origin



Wire 27/Mar/2018.pdf

Customers Also Interested in

Recommended Products



DSPIC33FJ128MC202-E/SO

Microchip Technology
IC MCU 16BIT 128KB FLASH 28SOIC

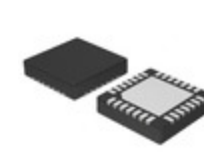
DSPIC33FJ128GP804-I/ML

Microchip Technology
IC MCU 16BIT 128KB FLASH 44QFN



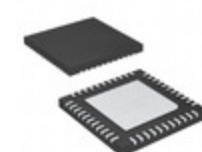
DSPIC33FJ128GP804-E/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 44TQFP



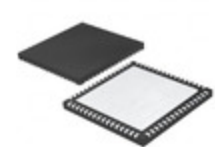
DSPIC33FJ128GP802-E/SP

Microchip Technology
IC MCU 16BIT 128KB FLASH 28SPDIP



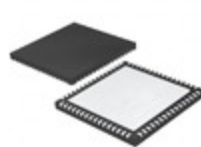
DSPIC33FJ128MC204-I/ML

Microchip Technology
IC MCU 16BIT 128KB FLASH 44QFN



DSPIC33FJ128MC506A-H/MR

Microchip Technology
IC MCU 16BIT 128KB FLASH 64VQFN



DSPIC33FJ128MC706A-E/MR

Microchip Technology
IC MCU 16BIT 128KB FLASH 64VQFN



DSPIC33FJ128MC204-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 44TQFP



DSPIC33FJ128MC510-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 100TQFP



DSPIC33FJ128MC506A-H/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP



DSPIC33FJ128MC506A-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP



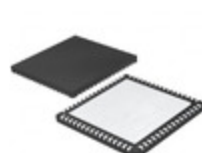
DSPIC33FJ128GP804-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 44TQFP



DSPIC33FJ128MC510A-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 100TQFP



DSPIC33FJ128MC706A-I/MR

Microchip Technology
IC MCU 16BIT 128KB FLASH 64VQFN



DSPIC33FJ128GP802-I/SO

Microchip Technology
IC MCU 16BIT 128KB FLASH 28SOIC



DSPIC33FJ128MC706-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP



DSPIC33FJ128MC706A-I/PT

Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP

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

