

DSPIC33FJ128MC802-I/SO

 Manufacturer Part Number **DSPIC33FJ128MC802-I/SO**

 Manufacturer **Microchip Technology**

 Allelco Part Number **32D-DSPIC33FJ128MC802-I/SO**

 ECAD Model  PCB Symbol, Footprint & 3D Model

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

 Package **28-SOIC (0.295", 7.50mm Width)**

 Data sheet **16-bit Embedded Control Solutions.pdf**
16-bit Embedded Control Solutions.pdf
DSPIC33FJzzzMCx02/x04 Datasheet.pdf

 RoHS Status  **ROHS3 Compliant**

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Specifications


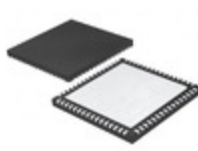
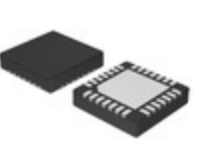

DSPIC33FJ128MC802-I/SO Tech Specifications

DSPIC33FJ128MC802-I/SO - 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	28-SOIC	Number of I/O	21
Speed	40 MIPS	Mounting Type	Surface Mount
Series	dsPIC™ 33F	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 6x10b/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, I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	28-SOIC (0.295", 7.50mm Width)	Base Product Number	DSPIC33FJ128MC802
Package	Tube		

Parts with Similar Specifications


The three parts on the right have similar specifications to Microchip Technology DSPIC33FJ128MC802-I/SO

Product Attribute	 NO PICTURE			
Part Number	DSPIC33FJ128MC802-I/SO	DSPIC33FJ128MC706A-E/MR	DSPIC33FJ128MC802-I/MM	DSPIC33FJ12GP202-I/SS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	DSPIC33FJ128MC802	DSPIC33FJ128MC706	DSPIC33FJ128MC802	DSPIC33FJ12GP202
Number of I/O	21	53	21	21
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	28-SOIC	64-VQFN (9x9)	28-QFN-S (6x6)	28-SSOP
RAM Size	16K x 8	16K x 8	16K x 8	1K x 8
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
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, DMA, Motor Control PWM, POR, PWM, QEI, WDT	Brown-out Detect/Reset, POR, PWM, WDT
Data Converters	A/D 6x10b/12b	A/D 16x10b/12b	A/D 6x10b/12b	A/D 10x12b
Package	Tube	Tube	Tube	Tube
Series	dsPIC™ 33F	Automotive, AEC-Q100, dsPIC™ 33F	dsPIC™ 33F	dsPIC™ 33F
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Speed	40 MIPS	40 MIPS	40 MIPS	40 MIPS
EEPROM Size	-	-	-	-
Package / Case	28-SOIC (0.295", 7.50mm Width)	64-VFQFN Exposed Pad	28-VQFN Exposed Pad	28-SSOP (0.209", 5.30mm Width)
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	12KB (12K x 8)


DSPIC33FJ128MC802-I/SO Datasheet PDF


Download DSPIC33FJ128MC802-I/SO pdf datasheets and Microchip Technology documentation for DSPIC33FJ128MC802-I/SO - Microchip Technology.

Datasheets

 [16-bit Embedded Control Solutions.pdf](#)
 [DSPIC33FJzzzMCx02/x04 Datasheet.pdf](#)

PCN Packaging


 Label and Packing Changes 23/Sep/2015.pdf

 Packing Changes 10/Oct/2016.pdf

HTML Datasheet

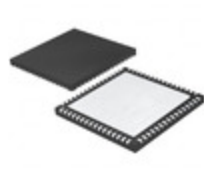








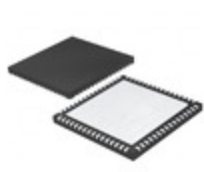
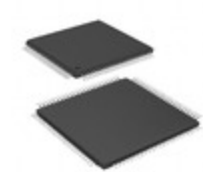


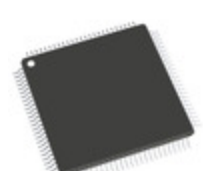

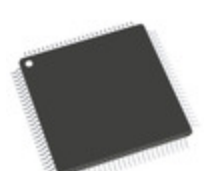
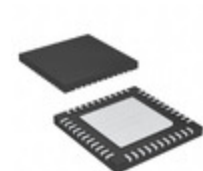

 16-bit Embedded Control Solutions.pdf

PCN Assembly/Origin

 SOIC-28L Revision 06/Feb/2014.pdf

Customers Also Interested in

Recommended Products

					
DSPIC33FJ128MC706A-E/MR	DSPIC33FJ128MC802-I/MM	DSPIC33FJ12GP202-I/SS		DSPIC33FJ128MC706A-I/PT	DSPIC33FJ128MC708-I/PT
Microchip Technology IC MCU 16BIT 128KB FLASH 64VQFN	Microchip Technology IC MCU 16BIT 128KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 12KB FLASH 28SSOP		Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 80TQFP
					
DSPIC33FJ128MC706AT-I/PT	DSPIC33FJ128MC804-I/PT	DSPIC33FJ12GP201-I/P	DSPIC33FJ128MC706A-I/MR	DSPIC33FJ128MC710-I/PT	DSPIC33FJ12GP201-I/SO
Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 12KB FLASH 18DIP	Microchip Technology IC MCU 16BIT 128KB FLASH 64VQFN	Microchip Technology IC MCU 16BIT 128KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 12KB FLASH 18SOIC
					
DSPIC33FJ12GP201T-I/SO	DSPIC33FJ128MC710-I/PF	DSPIC33FJ128MC804T-I/PT	DSPIC33FJ128MC710A-I/PF	DSPIC33FJ128MC804-E/ML	DSPIC33FJ12GP202-I/SP
Microchip Technology IC MCU 16BIT 12KB FLASH 18SOIC	Microchip Technology IC MCU 16BIT 128KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 100TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 44QFN	Microchip Technology IC MCU 16BIT 12KB 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.

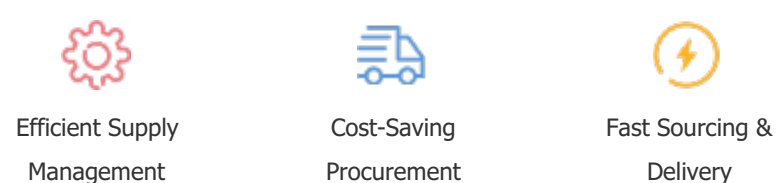
Contact us if you have any questions.

Payment Support

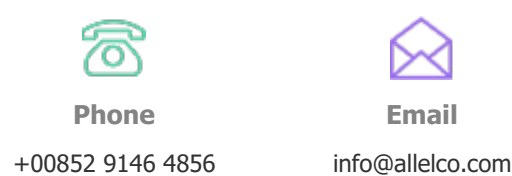
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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