

**DSPIC33EP512MC502-E/SP Information**


For Reference Only

**Part Number** [DSPIC33EP512MC502-E/SP](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 16BIT 512KB FLASH 28SDIP  
**Package** 28-DIP (0.300", 7.62mm)  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)



[Request a Quote](#)

**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**DSPIC33EP512MC502-E/SP Specifications**

Manufacturer Part Number	<a href="#">DSPIC33EP512MC502-E/SP</a>
Manufacturer	Microchip Technology
Category	Integrated Circuits (ICs) <a href="#">Embedded - Microcontrollers</a>
Package	28-DIP (0.300", 7.62mm)
Series	dsPIC? 33EP
Core Processor	dsPIC
Core Size	16-Bit
Speed	60 MIPs
Connectivity	CAN, I2C, IrDA, LIN, QEI, SPI, UART/USART
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT
Number of I/O	21
Program Memory Size	512KB (170K x 24)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	24K x 16
Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Data Converters	A/D 6x10b/12b
Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)
Mounting Type	-
Package / Case	28-DIP (0.300", 7.62mm)
Supplier Device Package	28-SPDIP

[Report errors?](#)

## DSPIC33EP512MC502-E/SP Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## DSPIC33EP512MC502-E/SP Payment Methods



## DSPIC33EP512MC502-E/SP Shipping Methods



If you have any question about DSPIC33EP512MC502-E/SP, please do not hesitate to contact us!

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