

**DSPIC33EP32GP502-E/SP Information**


For Reference Only

**Part Number** [DSPIC33EP32GP502-E/SP](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 16BIT 32KB 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.


**DSPIC33EP32GP502-E/SP Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">DSPIC33EP32GP502-E/SP</a>                                    |
| Manufacturer               | Microchip Technology   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 28-DIP (0.300", 7.62mm)  |
| Series                     | dsPIC <sup>®</sup> 33EP  |
| Core Processor             | dsPIC  |
| Core Size                  | 16-Bit   |
| Speed                      | 60 MIPS  |
| Connectivity               | CAN, I2C, IrDA, LIN, SPI, UART/USART                                     |
| Peripherals                | Brown-out Detect/Reset, DMA, POR, PWM, WDT                               |
| Number of I/O              | 21   |
| Program Memory Size        | 32KB (10.7K x 24)  |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 2K 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?](#)

## DSPIC33EP32GP502-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.

## DSPIC33EP32GP502-E/SP Payment Methods



## DSPIC33EP32GP502-E/SP Shipping Methods



If you have any question about DSPIC33EP32GP502-E/SP, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)