

**DSPIC33CH512MP505T-I/PT Information**


For Reference Only

**Part Number** [DSPIC33CH512MP505T-I/PT](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** 16 BIT DSC DUAL CORE 512K FLASH  
**Package** 48-TQFP  
 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.


**DSPIC33CH512MP505T-I/PT Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">DSPIC33CH512MP505T-I/PT</a>                                  |
| Manufacturer               | Microchip Technology   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 48-TQFP  |
| Series                     | dsPIC™ 33CH  |
| Core Processor             | dsPIC  |
| Core Size                  | 16-Bit Dual-Core   |
| Speed                      | 180MHz, 200MHz   |
| Connectivity               | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                               |
| Peripherals                | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT       |
| Number of I/O              | 39   |
| Program Memory Size        | 584kB (584k x 8)   |
| Program Memory Type        | FLASH, PRAM  |
| EEPROM Size                | -  |
| RAM Size                   | 64K x 8  |
| Voltage - Supply (Vcc/Vdd) | 3V ~ 3.6V  |
| Data Converters            | A/D 31x12b; D/A 4x12b  |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | Surface Mount  |
| Package / Case             | 48-TQFP  |
| Supplier Device Package    | 48-TQFP (7x7)  |

[Report errors?](#)

## DSPIC33CH512MP505T-I/PT 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.

## DSPIC33CH512MP505T-I/PT Payment Methods



## DSPIC33CH512MP505T-I/PT Shipping Methods



If you have any question about DSPIC33CH512MP505T-I/PT, please do not hesitate to contact us!

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