

**PIC12F509-I/MS Information**


For Reference Only

**Part Number** [PIC12F509-I/MS](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 8BIT 1.5KB FLASH 8MSOP  
**Package** 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)  
 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.


**PIC12F509-I/MS Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">PIC12F509-I/MS</a>   |
| Manufacturer               | Microchip Technology   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)                                   |
| Series                     | PIC <sup>®</sup> 12F   |
| Core Processor             | PIC  |
| Core Size                  | 8-Bit  |
| Speed                      | 4MHz   |
| Connectivity               | -  |
| Peripherals                | POR, WDT   |
| Number of I/O              | 5  |
| Program Memory Size        | 1.5KB (1K x 12)  |
| Program Memory Type        | FLASH  |
| EEPROM Size                | -  |
| RAM Size                   | 41 x 8   |
| Voltage - Supply (Vcc/Vdd) | 2 V ~ 5.5 V  |
| Data Converters            | -  |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)                                   |
| Supplier Device Package    | 8-MSOP   |

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## PIC12F509-I/MS 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.

## PIC12F509-I/MS Payment Methods



## PIC12F509-I/MS Shipping Methods



If you have any question about PIC12F509-I/MS, please do not hesitate to contact us!

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