

**PIC18F2431-I/SO Information**


For Reference Only

**Part Number** [PIC18F2431-I/SO](#)  
**Manufacturer** Microchip Technology  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 8BIT 16KB FLASH 28SOIC  
**Package** 28-SOIC (0.295", 7.50mm 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.


**PIC18F2431-I/SO Specifications**

|                            |  |
|----------------------------|--|
| Manufacturer Part Number   | <a href="#">PIC18F2431-I/SO</a>  |
| Manufacturer               | Microchip Technology   |
| Category                   | Integrated Circuits (ICs)<br><a href="#">Embedded - Microcontrollers</a> |
| Package                    | 28-SOIC (0.295", 7.50mm Width)   |
| Series                     | PIC? 18F   |
| Core Processor             | PIC  |
| Core Size                  | 8-Bit  |
| Speed                      | 40MHz  |
| Connectivity               | I2C, SPI, UART/USART   |
| Peripherals                | Brown-out Detect/Reset, LVD, Power Control PWM, QEI, POR, PWM, WDT       |
| Number of I/O              | 24   |
| Program Memory Size        | 16KB (8K x 16)   |
| Program Memory Type        | FLASH  |
| EEPROM Size                | 256 x 8  |
| RAM Size                   | 768 x 8  |
| Voltage - Supply (Vcc/Vdd) | 4.2 V ~ 5.5 V  |
| Data Converters            | A/D 5x10b  |
| Oscillator Type            | Internal   |
| Operating Temperature      | -40°C ~ 85°C (TA)  |
| Mounting Type              | -  |
| Package / Case             | 28-SOIC (0.295", 7.50mm Width)   |
| Supplier Device Package    | 28-SOIC  |

[Report errors?](#)

## PIC18F2431-I/SO 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.

## PIC18F2431-I/SO Payment Methods



## PIC18F2431-I/SO Shipping Methods



If you have any question about PIC18F2431-I/SO, please do not hesitate to contact us!

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

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