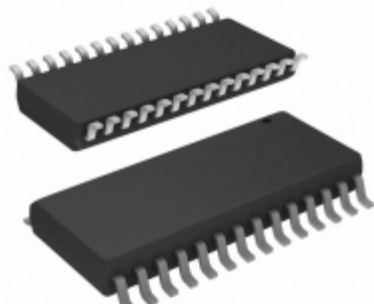


PIC16F1512-I/SO





**Part Number:** [PIC16F1512-I/SO](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 8BIT 3.5KB FLASH 28SOIC

**Data sheet:**  [PIC16\(L\)F1512,1513 Errata](#)  
 [PIC16\(L\)F1512, 1513 Brief](#)  
 [PIC16\(L\)F1512,13 Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

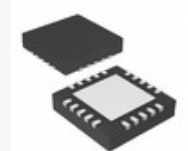
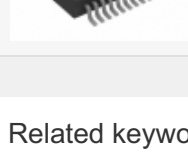
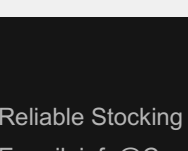
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
**Buy PIC16F1512-I/SO with confidence from Component-World.HK, 1 Year Warranty**

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                  |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC16F1512-I/SO                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 3.5KB FLASH 28SOIC            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64240 pcs                                 | Data sheet                       | <a href="#">PIC16(L)F1512,1513 Errata</a><br><a href="#">PIC16(L)F1512, 1513 Brief</a><br><a href="#">PIC16(L)F1512,13 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.3 V ~ 5.5 V                                                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 28-SOIC                                   | Speed                            | 20MHz                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC® XLP™ 16F                             | RAM Size                         | 128 x 8                                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size              | 3.5KB (2K x 14)                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tube                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28-SOIC (0.295", 7.50mm Width)            | Other Names                      | PIC16F1512ISO                                                                                                                        |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25                                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                         | Detailed Description             | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 20MHz 3.5KB (2K x 14) FLASH 28-SOIC                                                       |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 17x10b                                | Core Size                        | 8-Bit                                                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC                                       | Connectivity                     | I²C, LINbus, SPI, UART/USART                                                                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC16F1512                                |                                  |                                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">PIC16F1512-I/SP</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1509T-I/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 20QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1512-I/MV</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1512T-I/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1512-E/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1509T-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1513-E/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1512-E/SO</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1509T-I/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1512T-I/MV</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1512-E/SP</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1513-E/MV</a><br>Description: IC MCU 8BIT 7KB FLASH 28UQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1509-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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