

PIC16F1509-I/P



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**Part Number:** [PIC16F1509-I/P](#)

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

**Description:** IC MCU 8BIT 14KB FLASH 20DIP

**Data sheet:**  [PIC16\(L\)F1508,09 Datasheet](#)  
 [New Peripherals Tips N' Tricks](#)  
 [PIC16F1508, 1509 Errata](#)  
 [PIC12\(L\)F1501, PIC16\(L\)F150x Brief](#)  
 [Configurable Logic Cell Tip N' Tricks](#)

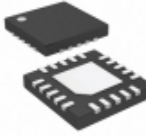
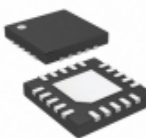
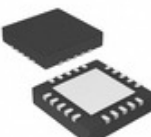
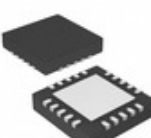
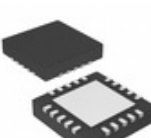
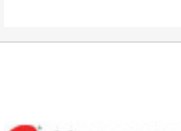
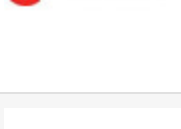
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC16F1509-I/P                            | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 14KB FLASH 20DIP              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 66148 pcs                                 | Data sheet                       | <a href="#">PIC16(L)F1508,09 Datasheet</a><br><a href="#">New Peripherals Tips N' Tricks</a><br><a href="#">PIC16F1508, 1509 Errata</a><br><a href="#">PIC12(L)F1501, PIC16(L)F150x Brief</a><br><a href="#">Configurable Logic Cell Tip N' Tricks</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.3 V ~ 5.5 V                                                                                                                                                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20-PDIP                                   | Speed                            | 20MHz                                                                                                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC® XLP™ 16F                             | RAM Size                         | 512 x 8                                                                                                                                                                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size              | 14KB (8K x 14)                                                                                                                                                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tube                                                                                                                                                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20-DIP (0.300", 7.62mm)                   | Other Names                      | PIC16F1509IP                                                                                                                                                                                                                                           |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                      |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 17                                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                          |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12 Weeks                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                             |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Detailed Description             | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 20MHz 14KB (8K x 14) FLASH 20-PDIP                                                                                                                                                                          |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 12x10b, D/A 1x5b                      | Core Size                        | 8-Bit                                                                                                                                                                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC                                       | Connectivity                     | I²C, LINbus, SPI, UART/USART                                                                                                                                                                                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC16F1509                                |                                  |                                                                                                                                                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F1509-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1509-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1509T-I/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1509-I/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F1512-E/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1509-E/P</a><br>Description: IC MCU 8BIT 14KB FLASH 20DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F1509-E/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 20QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F1509T-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1512-E/MV</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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