

PIC16LF1508-I/SS



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**Part Number:** [PIC16LF1508-I/SS](#)

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

**Description:** IC MCU 8BIT 7KB FLASH 20SSOP

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

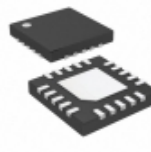
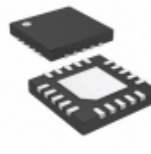
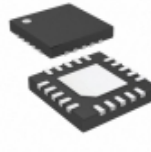
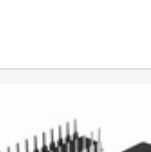
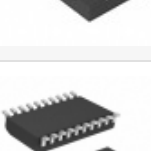
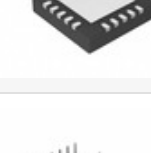
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16LF1508-I/SS                          | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 7KB FLASH 20SSOP              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 61868 pcs                                 | Data sheet                       | <a href="#">PIC16(L)F1508,09 Datasheet</a><br><a href="#">New Peripherals Tips N' Tricks</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)       | 1.8 V ~ 3.6 V                                                                                                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20-SSOP                                   | Speed                            | 20MHz                                                                                                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ 16F                             | RAM Size                         | 256 x 8                                                                                                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 7KB (4K x 14)                                                                                                                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tube                                                                                                                                                                                                        |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-SSOP (0.209", 5.30mm Width)            | Other Names                      | PIC16LF1508ISS                                                                                                                                                                                              |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                  |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description             | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 20MHz 7KB (4K x 14) FLASH 20-SSOP                                                                                                                                |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 12x10b, D/A 1x5b                      | Core Size                        | 8-Bit                                                                                                                                                                                                       |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC                                       | Connectivity                     | I²C, LINbus, SPI, UART/USART                                                                                                                                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC16LF1508                               |                                  |                                                                                                                                                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">PIC16LF1508T-I/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 20SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1509-E/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1508-I/GZ</a><br>Description: IC MCU 8BIT 7KB FLASH 20UQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1508T-I/GZ</a><br>Description: IC MCU 8BIT 7KB FLASH 20UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">PIC16LF1508T-I/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1508-E/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1509-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="#">PIC16LF1507T-I/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1508-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 20DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1508T-I/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 20QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1508-E/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 20QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16LF1509-E/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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