

PIC12LF1501-E/MC



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**Part Number:** [PIC12LF1501-E/MC](#)

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

**Description:** IC MCU 8BIT 1.75KB FLASH 8DFN

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

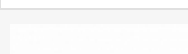
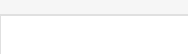
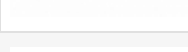
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                  |                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC12LF1501-E/MC                          | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 1.75KB FLASH 8DFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 79214 pcs                                 | Data sheet                       | <a href="#">New Peripherals Tips N' Tricks</a><br><a href="#">PIC12(L)F1501 Errata &amp; Datasheet Clarification</a><br><a href="#">PIC12(L)F1501</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-DFN (2x3)                               | Speed                            | 20MHz                                                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® 12F                                  | RAM Size                         | 64 x 8                                                                                                                                                                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size              | 1.75KB (1K x 14)                                                                                                                                                                                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                        | Tube                                                                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8-VDFN Exposed Pad                        | Other Names                      | PIC12LF1501EMC                                                                                                                                                                                                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Internal                                  | Operating Temperature            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                   |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                                         | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description             | PIC PIC® 12F Microcontroller IC 8-Bit 20MHz 1.75KB (1K x 14) FLASH 8-DFN (2x3)                                                                                                                                                                                       |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 4x10b                                 | Core Size                        | 8-Bit                                                                                                                                                                                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC                                       | Connectivity                     | -                                                                                                                                                                                                                                                                    |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC12LF1501                               |                                  |                                                                                                                                                                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
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|  | Part#: <a href="#">PIC12LF1501-I/SN</a><br>Description: IC MCU 8BIT 1.75KB FLASH 8SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC12LF1501-E/MS</a><br>Description: IC MCU 8BIT 1.75KB FLASH 8MSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC12LCE519T-04I/SM</a><br>Description: IC MCU 8BIT 1.5KB OTP 8SOIJ | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC12LF1501-E/MF</a><br>Description: IC MCU 8BIT 1.75KB FLASH 8DFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12LF1501T-I/MC</a><br>Description: IC MCU 8BIT 1.75KB FLASH 8DFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC12LF1501-I/MS</a><br>Description: IC MCU 8BIT 1.75KB FLASH 8MSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC12LCE519T-04I/SN</a><br>Description: IC MCU 8BIT 1.5KB OTP 8SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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