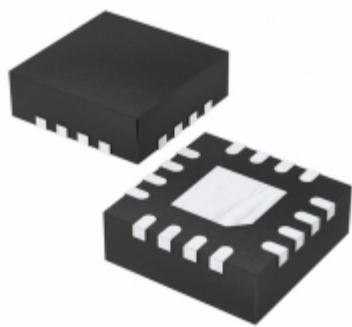


PIC16F1614T-I/ML



Images are for reference only.  
See Product Specifications for product details.  
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**Part Number:** [PIC16F1614T-I/ML](#)

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

**Description:** IC MCU 8BIT 7KB FLASH 16QFN

**Data sheet:**  [PIC16\(L\)F1614/8 Datasheet](#)  
 [PIC12/16\(L\)F161x Brief](#)  
 [PIC16\(L\)F1614/1618 Family Silicon Errata and Data](#)

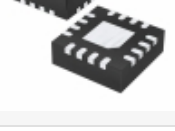
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16F1614T-I/ML                          | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 7KB FLASH 16QFN               | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 70659 pcs                                 | Data sheet                     | <a href="#">PIC16(L)F1614/8 Datasheet</a><br><a href="#">PIC12/16(L)F161x Brief</a><br><a href="#">PIC16(L)F1614/1618 Family Silicon Errata and Data</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 2.3 V ~ 5.5 V                                                                                                                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16-QFN (4x4)                              | Speed                          | 32MHz                                                                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ 16F                             | RAM Size                       | 512 x 8                                                                                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                     | Program Memory Size            | 7KB (4K x 14)                                                                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                      | Tape & Reel (TR)                                                                                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16-VQFN Exposed Pad                       | Oscillator Type                | Internal                                                                                                                                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                         | Number of I/O                  | 12                                                                                                                                                       |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                               |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Detailed Description           | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 32MHz 7KB (4K x 14) FLASH 16-QFN (4x4)                                                                        |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 8x10b, D/A 1x8b                       | Core Size                      | 8-Bit                                                                                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC                                       | Connectivity                   | I²C, LINbus, SPI, UART/USART                                                                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                     |
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|  | Part#: <a href="#">PIC16F1614T-I/ST</a><br>Description: IC MCU 8BIT 7KB FLASH 14TSSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1615-E/SL</a><br>Description: IC MCU 8BIT 14KB FLASH 14SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1615-E/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 16QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1615-I/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 16QFN     | Manufacturers: <a href="#">Microchip Technology</a>          | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614-E/P</a><br>Description: IC MCU 8BIT 7KB FLASH 14DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614-E/SL</a><br>Description: IC MCU 8BIT 7KB FLASH 14SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1615-E/ST</a><br>Description: IC MCU 8BIT 14KB FLASH 14TSSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614-I/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 16QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614-I/SL</a><br>Description: IC MCU 8BIT 7KB FLASH 14SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1613T-I/SL</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1615-I/P</a><br>Description: IC MCU 8BIT 14KB FLASH 14DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614-E/ST</a><br>Description: IC MCU 8BIT 7KB FLASH 14TSSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1613T-I/ST</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1615-E/P</a><br>Description: IC MCU 8BIT 14KB FLASH 14DIP      | Manufacturers: <a href="#">Microchip Technology</a>          | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614-I/ST</a><br>Description: IC MCU 8BIT 7KB FLASH 14TSSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614T-I/SL</a><br>Description: IC MCU 8BIT 7KB FLASH 14SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">PIC16F1614-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 14DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|                                                |                                       |                                        |                        |
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