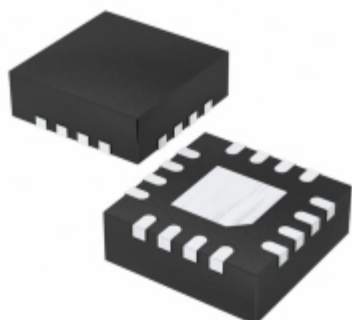


PIC16F1615-I/ML





Part Number: [PIC16F1615-I/ML](#)

Manufacturer: [Microchip Technology](#)

Description: IC MCU 8BIT 14KB FLASH 16QFN

Data sheet:  [PIC12/16\(L\)F161x Brief](#)  
 [PIC16\(L\)F1615,19 Datasheet](#)  
 [PIC16\(L\)F1615,19 Errata](#)

RoHs Status: Lead free / RoHS Compliant

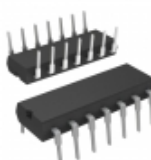
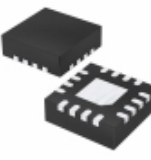
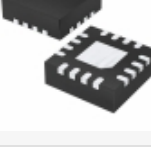
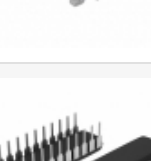
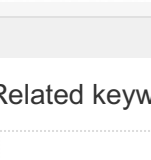
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                    |                                  |                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC16F1615-I/ML                                                                    | Manufacturer                     | <a href="#">Microchip Technology</a>                                                                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 14KB FLASH 16QFN                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 85714 pcs                                                                          | Data sheet                       | <a href="#">PIC12/16(L)F161x Brief</a><br><a href="#">PIC16(L)F1615,19 Datasheet</a><br><a href="#">PIC16(L)F1615,19 Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                          | Voltage - Supply (Vcc/Vdd)       | FLASH                                                                                                                           |
| Voltage - Breakdown                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-QFN (4x4)                                                                       | Series                           | PIC® XLP™ 16F                                                                                                                   |
| RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tube                                                                               | Reverse Recovery Time (trr)      | 32MHz                                                                                                                           |
| Requires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, POR, PWM, WDT                                              | Program Memory Type              | 14KB (8K x 14)                                                                                                                  |
| Program Memory Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | IC, LIN, SPI, UART/USART                                                           | Polarization                     | 16-VQFN Exposed Pad                                                                                                             |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 8x10b, D/A 1x8b                                                                | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                               |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC                                                                                | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16 Weeks                                                                           | Manufacturer Part Number         | PIC16F1615-I/ML                                                                                                                 |
| Expanded Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 32MHz 14KB (8K x 14) FLASH 16-QFN (4x4) | Description                      | IC MCU 8BIT 14KB FLASH 16QFN                                                                                                    |
| Data SRAM Bytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                                  | Data Converters                  | 2.3 V ~ 5.5 V                                                                                                                   |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1K x 8                                                                             | Controller Series                | Internal                                                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8-Bit                                                                              | Clock Rate                       | 12                                                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F1614-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 14DIP      | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1615-E/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1615-E/ST</a><br>Description: IC MCU 8BIT 14KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1618-E/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1615-I/ST</a><br>Description: IC MCU 8BIT 14KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1615T-I/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 16QFN   | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1615-I/SL</a><br>Description: IC MCU 8BIT 14KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1618-E/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 20SOIC    | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1615-I/P</a><br>Description: IC MCU 8BIT 14KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1614T-I/ST</a><br>Description: IC MCU 8BIT 7KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1618-E/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 20QFN     | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1614T-I/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1618-E/P</a><br>Description: IC MCU 8BIT 7KB FLASH 20DIP      | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1614-I/SL</a><br>Description: IC MCU 8BIT 7KB FLASH 14SOIC    | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F1615-E/SL</a><br>Description: IC MCU 8BIT 14KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel</a> / <a href="#">Microchip Technology</a> | <div>RFQ</div> |
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