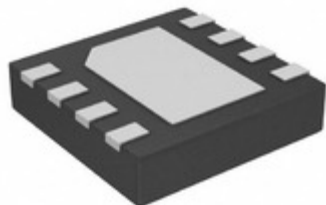


PIC16F18313-E/RF





Part Number: [PIC16F18313-E/RF](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 3.5KB FLASH 8UDFN

Data sheet:  [PIC16\(L\)F183xx Brief](#)  
 [PIC16\(L\)F18313,23](#)

RoHs Status: Lead free / RoHS Compliant

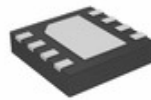
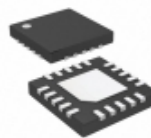
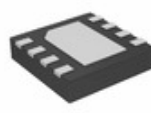
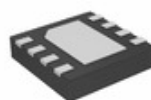
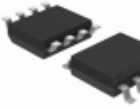
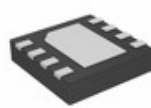
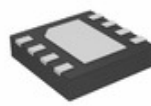
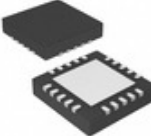
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16F18313-E/RF                                                                    | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 3.5KB FLASH 8UDFN                                                       | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 75382 pcs                                                                           | Data sheet                      | <a href="#">PIC16(L)F183xx Brief</a><br><a href="#">PIC16(L)F18313,23</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                           | Voltage - Supply (Vcc/Vdd)      | 2.3 V ~ 5.5 V                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-UDFN (3x3)                                                                        | Speed                           | 32MHz                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ 16F                                                                       | RAM Size                        | 256 x 8                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                               | Program Memory Size             | 3.5KB (2K x 14)                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT                                               | Packaging                       | Tube                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8-UDFN Exposed Pad                                                                  | Oscillator Type                 | Internal                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                                                                  | Number of I/O                   | 6                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                                                       | Manufacturer Standard Lead Time | 12 Weeks                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                          | EEPROM Size                     | 256 x 8                                                                   |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 32MHz 3.5KB (2K x 14) FLASH 8-UDFN (3x3) | Data Converters                 | A/D 5x10b, D/A 1x5b                                                       |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                               | Core Processor                  | PIC                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, LINbus, SPI, UART/USART                                                        | Base Part Number                | PIC16F18313                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F18313T-I/MF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8DFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-E/SN</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1829T-I/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-I/MS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8MSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-E/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-E/MF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8DFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-I/RF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8UDFN    | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313T-I/MS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8MSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-I/SN</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313T-I/RF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8UDFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1829LINT-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-I/MF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8DFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1829T-I/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 20QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1829T-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1829LIN-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313T-I/SN</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-I/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1829LINT-E/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1829T-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18313-E/MS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8MSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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