

PIC16LF1823-E/ST





Part Number: [PIC16LF1823-E/ST](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 3.5KB FLASH 14TSSOP

Data sheet:  [PIC12\(L\)F1822, PIC16\(L\)F1823](#)  
 [PIC112F,PIC16F182X Overview](#)  
 [PIC12\(L\)F1822,PIC16\(L\)F1823 Errata & Data Sheet CI](#)

RoHs Status: Lead free / RoHS Compliant

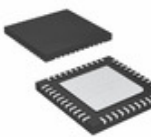
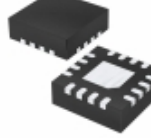
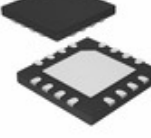
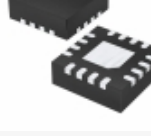
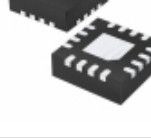
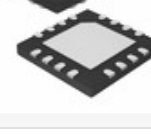
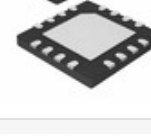
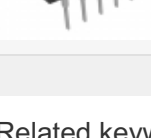
Ship From: Hong Kong

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                 |                                 |                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16LF1823-E/ST                                                                | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 3.5KB FLASH 14TSSOP                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 83479 pcs                                                                       | Data sheet                      | <a href="#">PIC12(L)F1822, PIC16(L)F1823</a><br><a href="#">PIC112F,PIC16F182X Overview</a><br><a href="#">PIC12(L)F1822,PIC16(L)F1823 Errata &amp; Data Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - Supply (Vcc/Vdd)      | <a href="#">PIC12(L)F1822, PIC16(L)F1823</a><br>1.8 V ~ 3.6 V                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 14-TSSOP                                                                        | Speed                           | 32MHz                                                                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ 16F                                                                   | RAM Size                        | 128 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14-TSSOP (0.173", 4.40mm Width)                                                 | Oscillator Type                 | Internal                                                                                                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                                                              | Number of I/O                   | 12                                                                                                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                                                   | Manufacturer Standard Lead Time | 13 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 14-TSSOP | Data Converters                 | A/D 8x10b                                                                                                                                                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                           | Core Processor                  | PIC                                                                                                                                                                |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, LINbus, SPI, UART/USART                                                    | Base Part Number                | PIC16LF1823                                                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16LF1789T-I/ML</a><br>Description: IC MCU 8BIT 28KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-E/SL</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823T-I/SL</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823T-I/ST</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1789T-I/PT</a><br>Description: IC MCU 8BIT 28KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-E/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1789-I/P</a><br>Description: IC MCU 8BIT 28KB FLASH 40DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-E/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823T-I/JQ</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823T-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-E/JQ</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-I/JQ</a><br>Description: IC MCU 8BIT 3.5KB FLASH 16UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1789T-I/MV</a><br>Description: IC MCU 8BIT 28KB FLASH 40UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1824-E/JQ</a><br>Description: IC MCU 8BIT 7KB FLASH 16UQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-I/SL</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-I/ST</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1789-I/PT</a><br>Description: IC MCU 8BIT 28KB FLASH 44TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1789-I/MV</a><br>Description: IC MCU 8BIT 28KB FLASH 40UQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1823-I/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 14DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

| Related keywords for PIC16LF1823-E/ST          |                                       |                                        |                        |
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