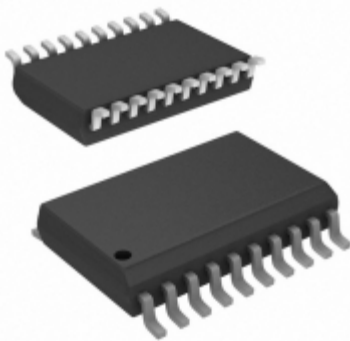


PIC16LF1829-E/SO



Images are for reference only.  
See Product Specifications for product details.  
**Buy PIC16LF1829-E/SO with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [PIC16LF1829-E/SO](#)

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

**Description:** IC MCU 8BIT 14KB FLASH 20SOIC

**Data sheet:**  [PIC16\(L\)F1825,29 Datasheet](#)  
 [PIC112F,PIC16F182X Overview](#)  
 [PIC16\(L\)F1825,1829 Errata](#)  
 [PIC12F1822, PIC16F182x Brief](#)

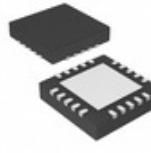
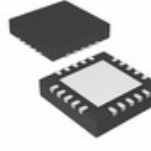
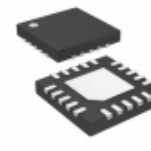
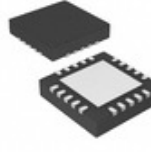
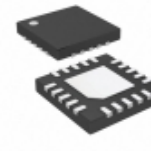
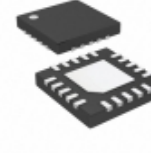
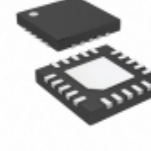
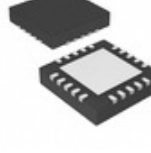
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                       |                                 |                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16LF1829-E/SO                                                                      | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 14KB FLASH 20SOIC                                                         | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 65598 pcs                                                                             | Data sheet                      | <a href="#">PIC16(L)F1825,29 Datasheet</a><br><a href="#">PIC112F,PIC16F182X Overview</a><br><a href="#">PIC16(L)F1825,1829 Errata</a><br><a href="#">PIC12F1822, PIC16F182x Brief</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                             | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V                                                                                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20-SOIC                                                                               | Speed                           | 32MHz                                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ mTouch™ 16F                                                                 | RAM Size                        | 1K x 8                                                                                                                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                                 | Program Memory Size             | 14KB (8K x 14)                                                                                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT                                                 | Packaging                       | Tube                                                                                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-SOIC (0.295", 7.50mm Width)                                                        | Oscillator Type                 | Internal                                                                                                                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                                                                    | Number of I/O                   | 17                                                                                                                                                                                     |
| 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™ mTouch™ 16F Microcontroller IC 8-Bit 32MHz 14KB (8K x 14) FLASH 20-SOIC | Data Converters                 | A/D 12x10b                                                                                                                                                                             |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                                 | Core Processor                  | PIC                                                                                                                                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, LINbus, SPI, UART/USART                                                          | Base Part Number                | PIC16LF1829                                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16LF1829-E/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 20QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1828T-I/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 20QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829-E/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1828T-I/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829-E/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829T-I/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 20QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829T-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1828-I/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829T-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16LF1828-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 20DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1828-I/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 20SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1829T-I/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1828T-I/GZ</a><br>Description: IC MCU 8BIT 7KB FLASH 20UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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