

PIC16F1827-E/MV



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Part Number: [PIC16F1827-E/MV](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 28UQFN

Data sheet:  [PIC16F/LF1826/27](#)  
 [PIC16F1826,1827 Brief](#)  
 [Next Generation Peripherals Brochure](#)  
 [PIC16\(L\)F182x,PIC12\(L\)F1822 Programming Spec](#)  
 [PIC16F,LF182\(6,7\) Errata & Data Sheet Clarificati](#)

RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                            |                                 |                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16F1827-E/MV                                                                            | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 7KB FLASH 28UQFN                                                               | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 64908 pcs                                                                                  | Data sheet                      | <a href="#">PIC16F/LF1826/27</a><br><a href="#">PIC16F1826,1827 Brief</a><br><a href="#">Next Generation Peripherals Brochure</a><br><a href="#">PIC16(L)F182x,PIC12(L)F1822 Programming Spec</a><br><a href="#">PIC16F,LF182(6,7) Errata &amp; Data Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                                  | Voltage - Supply (Vcc/Vdd)      | <a href="#">Clarificati</a><br>1.8 V ~ 5.5 V                                                                                                                                                                                                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                  | 28-UQFN (4x4)                                                                              | Speed                           | 32MHz                                                                                                                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ mTouch™ 16F                                                                      | RAM Size                        | 384 x 8                                                                                                                                                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                                      | Program Memory Size             | 7KB (4K x 14)                                                                                                                                                                                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT                                                      | Packaging                       | Tube                                                                                                                                                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 28-UQFN Exposed Pad                                                                        | Oscillator Type                 | Internal                                                                                                                                                                                                                                                       |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                                                                         | Number of I/O                   | 16                                                                                                                                                                                                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                                                              | Manufacturer Standard Lead Time | 30 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 7KB (4K x 14) FLASH 28-UQFN (4x4) | Data Converters                 | A/D 12x10b                                                                                                                                                                                                                                                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                                      | Core Processor                  | PIC                                                                                                                                                                                                                                                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, SPI, UART/USART                                                                       | Base Part Number                | PIC16F1827                                                                                                                                                                                                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 64908 pieces of Micrel / Microchip Technology PIC16F1827-E/MV in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                                                                            |                                 |                                                                                                                                                                                                                                                                |

| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
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|  | Part#: <a href="#">PIC16F1827-I/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 18SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1826T-I/MV</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1826T-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1826T-I/SO</a><br>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F1827-E/P</a><br>Description: IC MCU 8BIT 7KB FLASH 18DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1826-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F1827-E/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 28SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1827T-I/ML</a><br>Description: IC MCU 8BIT 7KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1827-I/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F1826-I/MV</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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