

PIC16LF1527-E/PT



Part Number: [PIC16LF1527-E/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 28KB FLASH 64TQFP

Data sheet:  [PIC16\(L\)F1526,1527 Errata](#)  
 [PIC16F\(LF\)1526/1527 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

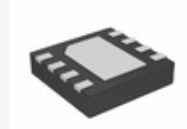
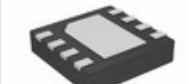
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |                                 |                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16LF1527-E/PT                                                                       | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 28KB FLASH 64TQFP                                                          | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 45781 pcs                                                                              | Data sheet                      | <a href="#">PIC16(L)F1526,1527 Errata</a><br><a href="#">PIC16F(LF)1526/1527 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                              | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64-TQFP (10x10)                                                                        | Speed                           | 20MHz                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ 16F                                                                          | RAM Size                        | 1.5K x 8                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                                  | Program Memory Size             | 28KB (16K x 14)                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, POR, PWM, WDT                                                  | Packaging                       | Tray                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 64-TQFP                                                                                | Oscillator Type                 | Internal                                                                                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                                                                     | Number of I/O                   | 54                                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                                                                          | Manufacturer Standard Lead Time | 4 Weeks                                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                             | EEPROM Size                     | -                                                                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 20MHz 28KB (16K x 14) FLASH 64-TQFP (10x10) | Data Converters                 | A/D 30x10b                                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                                  | Core Processor                  | PIC                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PC, LINbus, SPI, UART/USART                                                            | Base Part Number                | PIC16LF1527                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16LF1526-E/MR</a><br>Description: IC MCU 8BIT 14KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF15313-E/RF</a><br>Description: IC MCU 8BIT 3.5KB FLASH 8UDFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1527-I/PT</a><br>Description: IC MCU 8BIT 28KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1519T-I/PT</a><br>Description: IC MCU 8BIT 28KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1526T-I/MR</a><br>Description: IC MCU 8BIT 14KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF15313-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="#">PIC16LF15313-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="#">PIC16LF1526-I/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16LF15313-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="#">PIC16LF1526-E/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16LF1519T-I/MV</a><br>Description: IC MCU 8BIT 28KB FLASH 40UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

| Related keywords for PIC16LF1527-E/PT          |                                       |                                        |                        |
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