

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC16LF1827-E/ML

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC16LF1827-E/ML                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 7KB FLASH 28QFN                                                                                  |
|                     |  1.PIC16LF1827-E/ML.pdf     |
|                     |  2.PIC16LF1827-E/ML.pdf     |
|                     |  3.PIC16LF1827-E/ML.pdf     |
|                     |  4.PIC16LF1827-E/ML.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 62282 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

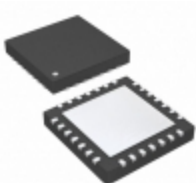
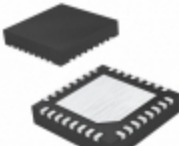
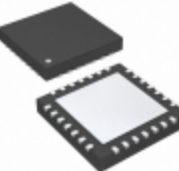
Specifications of PIC16LF1827-E/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16LF1827-E/ML                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 7KB FLASH 28QFN                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 62282 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DATA SHEET                       |  1.PIC16LF1827-E/ML.pdf<br> 2.PIC16LF1827-E/ML.pdf<br> 3.PIC16LF1827-E/ML.pdf<br> 4.PIC16LF1827-E/ML.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 28-QFN (6x6)                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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-VQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NUMBER OF I/O                    | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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-QFN (6x6)                                                                                                                                                                                                                                                                                                                                                            |
| DATA CONVERTERS                  | A/D 12x10b                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASE PART NUMBER                 | PIC16LF1827                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology PIC16LF1827-E/ML | PIC16LF1827-E/ML Distributor           | PIC16LF1827-E/ML Supplier                               |
| PIC16LF1827-E/ML Price                         | PIC16LF1827-E/ML Pictures              | PIC16LF1827-E/ML Image                                  |
| PIC16LF1827-E/ML PDF Datasheet                 | PIC16LF1827-E/ML Download Datasheet    | PIC16LF1827-E/ML Datasheet                              |
| PIC16LF1827-E/ML Stock                         | Buy PIC16LF1827-E/ML                   | Buy Micrel / Microchip Technology PIC16LF1827-E/ML      |
| Micrel / Microchip Technology PIC16LF1827-E/ML | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC16LF1827-E/ML | Microchip Technology PIC16LF1827-E/ML  | Roving Networks / Microchip Technology PIC16LF1827-E/ML |

Related Products

|                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |
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|  <div><b>PIC16LF1827-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 28QFN<br/>In stock: 57786 pcs<br/>RFQ</div>     |  <div><b>PIC16LF1826-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC<br/>In stock: 77996 pcs<br/>RFQ</div>  |
|  <div><b>PIC16LF1827-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SSOP<br/>In stock: 62336 pcs<br/>RFQ</div>    |  <div><b>PIC16LF1826T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP<br/>In stock: 71556 pcs<br/>RFQ</div> |
|  <div><b>PIC16LF1827-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 18DIP<br/>In stock: 64170 pcs<br/>RFQ</div>      |  <div><b>PIC16LF1827-E/MV</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 28UQFN<br/>In stock: 68635 pcs<br/>RFQ</div>             |
|  <div><b>PIC16LF1826T-I/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 28UQFN<br/>In stock: 67629 pcs<br/>RFQ</div> |  <div><b>PIC16LF1826T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 28QFN<br/>In stock: 63426 pcs<br/>RFQ</div>  |
|  <div><b>PIC16LF1827-I/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 28UQFN<br/>In stock: 50539 pcs<br/>RFQ</div>    |  <div><b>PIC16LF1826-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP<br/>In stock: 79825 pcs<br/>RFQ</div>  |
|  <div><b>PIC16LF1826T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC<br/>In stock: 87264 pcs<br/>RFQ</div> |  <div><b>PIC16LF1827-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 18SOIC<br/>In stock: 76126 pcs<br/>RFQ</div>    |