

PIC16LF1787-E/P



Part Number: [PIC16LF1787-E/P](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 14KB FLASH 40DIP

Data sheet:  [PIC16\(L\)F1784,86,87 Datasheet](#)  
 [PIC16\(L\)F1784,86,87 Errata & Datasheet Clarificati](#)

RoHs Status: Lead free / RoHS Compliant

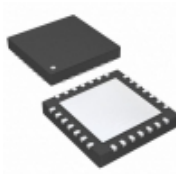
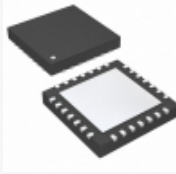
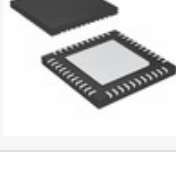
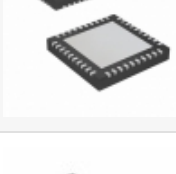
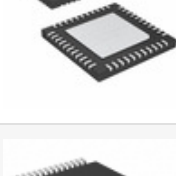
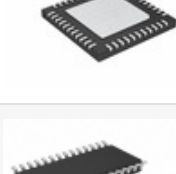
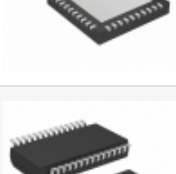
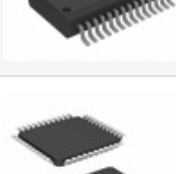
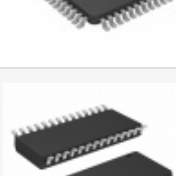
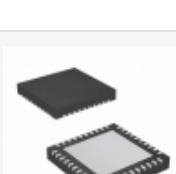
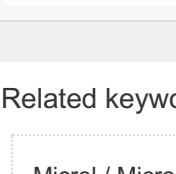
Ship From: Hong Kong

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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |                                |                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PIC16LF1787-E/P                             | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 8BIT 14KB FLASH 40DIP                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 39787 pcs                                   | Data sheet                     | <a href="#">PIC16(L)F1784,86,87 Datasheet</a><br><a href="#">PIC16(L)F1784,86,87 Errata &amp; Datasheet Clarificati</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>   | Voltage - Supply (Vcc/Vdd)     | 1.8 V ~ 3.6 V                                                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 40-PDIP                                     | Speed                          | 32MHz                                                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC® XLP™ 16F                               | RAM Size                       | 1K x 8                                                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                       | Program Memory Size            | 14KB (8K x 14)                                                                                                          |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, POR, PSMC, PWM, WDT | Packaging                      | Tube                                                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 40-DIP (0.600", 15.24mm)                    | Oscillator Type                | Internal                                                                                                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 125°C (TA)                          | Number of I/O                  | 35                                                                                                                      |
| 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™ 16F Microcontroller IC 8-Bit 32MHz 14KB (8K x 14) FLASH 40-PDIP                                           |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 14x12b, D/A 1x8b                        | Core Size                      | 8-Bit                                                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC                                         | Connectivity                   | I²C, LINbus, SPI, UART/USART                                                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC16LF1787                                 |                                |                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16LF1786-I/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1786T-I/ML</a><br>Description: IC MCU 8BIT 14KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1787-E/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16LF1786T-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16LF1786T-I/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF1787T-I/PT</a><br>Description: IC MCU 8BIT 14KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16LF1786-I/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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