



## PIC16LF18456-E/SO

|                                  |  |
|----------------------------------|--|
| <b>Manufacturer Part Number:</b> | PIC16LF18456-E/SO  |
| <b>Manufacturer/Brand:</b>       | Micrel / Microchip Technology  |
| <b>Part of Description:</b>      | IC MCU 8BIT 28KB FLASH 28SOIC  |
| <b>Datasheets:</b>               | <a href="#">1.PIC16LF18456-E/SO.pdf</a><br><a href="#">2.PIC16LF18456-E/SO.pdf</a> |
| <b>RoHs Status:</b>              |  |
| <b>Stock Condition:</b>          | New original, Stock Available.   |
| <b>Ship From:</b>                | Hong Kong  |
| <b>Shipment Way:</b>             | DHL/Fedex/TNT/UPS/EMS  |

Image may be representation.  
See specs for product details.

### Specifications

|                                  |   |
|----------------------------------|---|
| Part Number                      | PIC16LF18456-E/SO                                       |
| Manufacturer                     | Micrel / Microchip Technology                           |
| Description                      | IC MCU 8BIT 28KB FLASH 28SOIC                           |
| Category                         | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                      | Require For Quote & Check Stock                         |
| Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V   |
| Supplier Device Package          | 28-SOIC   |
| Speed                            | 32MHz   |
| Series                           | PIC® XLP™ 16F   |
| RAM Size                         | 2K x 8  |
| Program Memory Type              | FLASH   |
| Program Memory Size              | 28KB (16K x 14)   |
| Peripherals                      | Brown-out Detect/Reset, POR, PWM, WDT                   |
| Packaging                        | Tube  |
| Package / Case                   | 28-SOIC (0.295", 7.50mm Width)                          |
| Oscillator Type                  | Internal  |
| Operating Temperature            | -40°C ~ 125°C (TA)                                      |
| Number of I/O                    | 26  |
| Moisture Sensitivity Level (MSL) | 3 (168 Hours)   |
| Manufacturer Standard Lead Time  | 8 Weeks   |
| EEPROM Size                      | 256 x 8   |
| Detailed Description             | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 32MHz        |
| Data Converters                  | A/D 24x12b, D/A 1x5b                                    |
| Core Size                        | 8-Bit   |
| Core Processor                   | PIC   |
| Connectivity                     | I²C, LINbus, SPI, UART/USART                            |

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