

PIC16F18445-E/SO





Part Number: [PIC16F18445-E/SO](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: [COMPARATOR, DAC, 12-BIT ADCC](#)

Data sheet:  [PIC16\(L\)F184xx Brief](#)  
 [PIC16\(L\)F18425/45](#)

RoHs Status: [Lead free / RoHS Compliant](#)

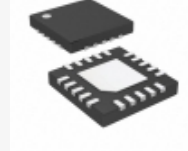
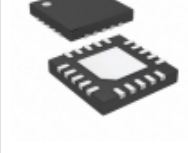
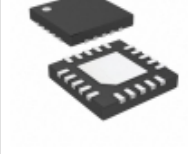
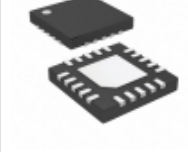
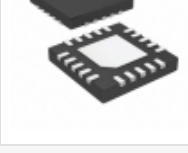
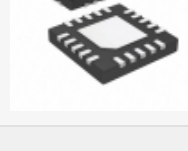
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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                               |                                 |                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16F18445-E/SO                                                              | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COMPARATOR, DAC, 12-BIT ADCC                                                  | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 75611 pcs                                                                     | Data sheet                      | <a href="#">PIC16(L)F184xx Brief</a><br><a href="#">PIC16(L)F18425/45</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                     | Voltage - Supply (Vcc/Vdd)      | 2.3 V ~ 5.5 V                                                             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20-SOIC                                                                       | 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, PWM, WDT                                         | Packaging                       | Tube                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-SOIC (0.295", 7.50mm Width)                                                | Oscillator Type                 | External                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 125°C (TA)                                                            | Number of I/O                   | 17                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                                                                 | Manufacturer Standard Lead Time | 7 Weeks                                                                   |
| 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 20-SOIC | Data Converters                 | A/D 17x12b, D/A 1x5b                                                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                         | Core Processor                  | PIC                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, LINbus, SPI, UART/USART                                                  |                                 |                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                                         |                                                              |                     |
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|  | Part#: <a href="#">PIC16F18444-I/SS</a><br>Description: <a href="#">COMPARATOR, DAC, 12-BIT ADCC</a>    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">PIC16F18445-I/P</a><br>Description: <a href="#">COMPARATOR, DAC, 12-BIT ADCC, CW</a> | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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