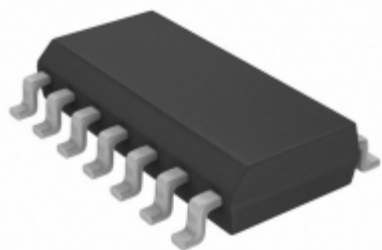


PIC16F18424-I/SL





**Part Number:** [PIC16F18424-I/SL](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** COMPARATOR, DAC, 12-BIT ADCC

**Data sheet:**  [PIC16\(L\)F18424/44 Preliminary~](#)  
 [PIC16\(L\)F184xx Brief](#)

**RoHs Status:** Lead free / RoHS Compliant

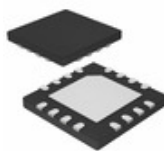
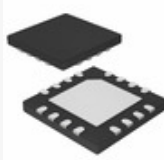
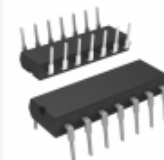
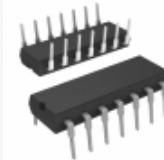
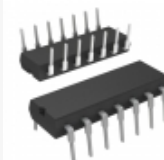
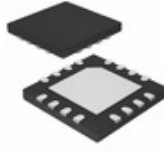
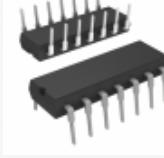
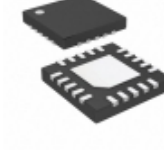
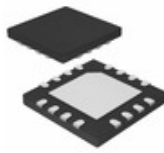
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |                                 |                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16F18424-I/SL                                                             | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COMPARATOR, DAC, 12-BIT ADCC                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 74754 pcs                                                                    | Data sheet                      | <a href="#">PIC16(L)F18424/44 Preliminary~</a><br><a href="#">PIC16(L)F184xx Brief</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                    | Voltage - Supply (Vcc/Vdd)      | 2.3 V ~ 5.5 V                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 14-SOIC                                                                      | Speed                           | 32MHz                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® XLP™ 16F                                                                | RAM Size                        | 512 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14-SOIC (0.154", 3.90mm Width)                                               | Oscillator Type                 | Internal                                                                               |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                                                            | Number of I/O                   | 11                                                                                     |
| 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 7KB (4K x 14) FLASH 14-SOIC | Data Converters                 | A/D 11x12b, D/A 1x5b                                                                   |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                        | Core Processor                  | PIC                                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PC, LINbus, SPI, UART/USART                                                  |                                 |                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F18424-E/JQ</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424-E/SL</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424-E/ST</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424-I/JQ</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18425-E/SL</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424-I/P</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424T-I/SL</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424-E/P</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18346-I/SS</a><br>Description: IC MCU 8BIT 28KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18425-E/P</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18425-I/JQ</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18425-I/P</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18425-E/ST</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18346T-I/SO</a><br>Description: IC MCU 8BIT 28KB FLASH 20SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18346T-I/GZ</a><br>Description: IC MCU 8BIT 28KB FLASH 20UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18346T-I/SS</a><br>Description: IC MCU 8BIT 28KB FLASH 20SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18425-E/JQ</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424T-I/ST</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18424-I/ST</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18425-I/SL</a><br>Description: COMPARATOR, DAC, 12-BIT ADCC, CW | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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