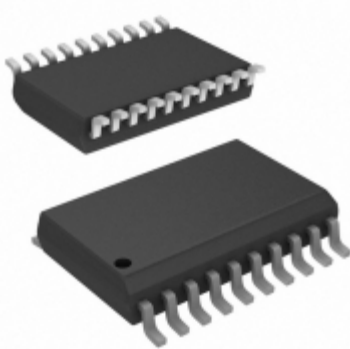


PIC16F18344-I/SO





Part Number: [PIC16F18344-I/SO](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 7KB FLASH 20SOIC

Data sheet:  [PIC16\(L\)F18324,44](#)  
 [PIC16\(L\)F183xx Brief](#)

RoHs Status: Lead free / RoHS Compliant

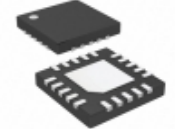
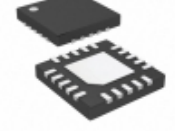
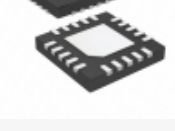
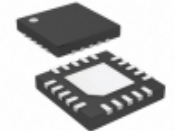
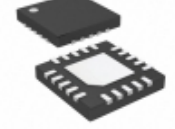
Ship From: Hong Kong

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

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |                                 |                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC16F18344-I/SO                                                             | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 7KB FLASH 20SOIC                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64507 pcs                                                                    | Data sheet                      | <a href="#">PIC16(L)F18324,44</a><br><a href="#">PIC16(L)F183xx Brief</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                        | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20-SOIC (0.295", 7.50mm Width)                                               | Oscillator Type                 | Internal                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                                                            | Number of I/O                   | 18                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 (Unlimited)                                                                | Manufacturer Standard Lead Time | 12 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 20-SOIC | Data Converters                 | A/D 17x10b, D/A 1x5b                                                      |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                        | Core Processor                  | PIC                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I²C, LINbus, SPI, UART/USART                                                 | Base Part Number                | PIC16F18344                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16F18344-I/P</a><br>Description: IC MCU 8BIT 7KB FLASH 20DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18344T-I/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 20SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18344T-I/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18345-I/P</a><br>Description: IC MCU 8BIT 14KB FLASH 20DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18326-I/ST</a><br>Description: IC MCU 8BIT 28KB FLASH 14TSSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18345-E/SS</a><br>Description: IC MCU 8BIT 14KB FLASH 20SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18345-E/SO</a><br>Description: IC MCU 8BIT 14KB FLASH 20SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18344T-I/GZ</a><br>Description: IC MCU 8BIT 7KB FLASH 20UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18345-E/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18326T-I/ST</a><br>Description: IC MCU 8BIT 28KB FLASH 14TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18344-E/SO</a><br>Description: IC MCU 8BIT 7KB FLASH 20SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18345-I/GZ</a><br>Description: IC MCU 8BIT 14KB FLASH 20UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18326T-I/JQ</a><br>Description: IC MCU 8BIT 28KB FLASH 16UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18326T-I/SL</a><br>Description: IC MCU 8BIT 28KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18344-E/SS</a><br>Description: IC MCU 8BIT 7KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18344-E/GZ</a><br>Description: IC MCU 8BIT 7KB FLASH 20UQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16F18344-I/GZ</a><br>Description: IC MCU 8BIT 7KB FLASH 20UQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC16F18345-E/P</a><br>Description: IC MCU 8BIT 14KB FLASH 20DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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