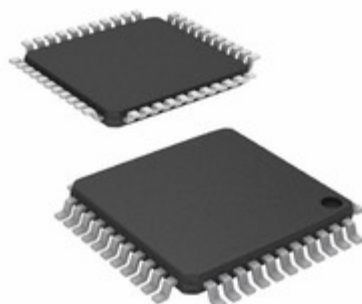


PIC18LF4510-I/PT



Images are for reference only.  
See Product Specifications for product details.  
Buy PIC18LF4510-I/PT with confidence from  
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Part Number: [PIC18LF4510-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 32KB FLASH 44TQFP

Data sheet: 

 [PIC18F2x10, 4x10 Revision B2 Errata](#)

 [PIC18F\(2, 4\)zzz Programming Specification](#)

 [PIC18F2x10, 4x10 Revision B3 Errata](#)

 [PIC18F2x1x, 4x1x Data Sheet Errata](#)

 [PIC18F2x10, 4x10 Revision A1 Errata](#)

 [Timer1 Errata](#)

 [PIC18\(L\)F2x1x, 4x1x Data Sheet](#)

 [PIC18F2x10, 4x10 Rev B4 Errata](#)

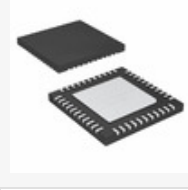
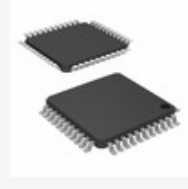
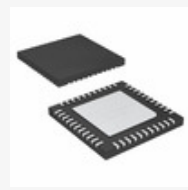
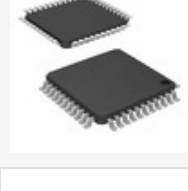
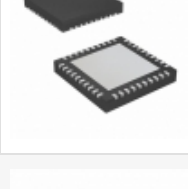
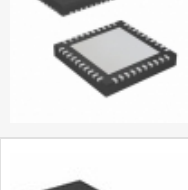
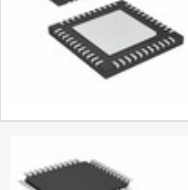
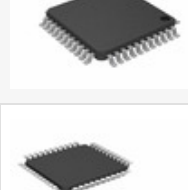
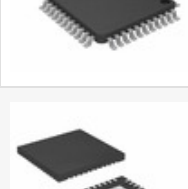
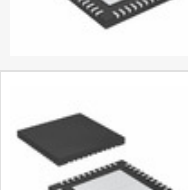
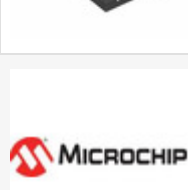
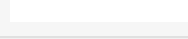
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                   |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC18LF4510-I/PT                                                                  | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 32KB FLASH 44TQFP                                                     | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 24278 pcs                                                                         | Data sheet                      | <a href="#">PIC18F2x10, 4x10 Revision B2 Errata</a><br><a href="#">PIC18F(2, 4)zzz Programming Specification</a><br><a href="#">PIC18F2x10, 4x10 Revision B3 Errata</a><br><a href="#">PIC18F2x1x, 4x1x Data Sheet Errata</a><br><a href="#">PIC18F2x10, 4x10 Revision A1 Errata</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC18(L)F2x1x, 4x1x Data Sheet</a><br><a href="#">PIC18F2x10, 4x10 Rev B4 Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage - Supply (Vcc/Vdd)      | 2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 44-TQFP (10x10)                                                                   | Speed                           | 40MHz                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® 18F                                                                          | RAM Size                        | 1.5K x 8                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                                                             | Program Memory Size             | 32KB (16K x 16)                                                                                                                                                                                                                                                                                                                                                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, HLVD, POR, PWM, WDT                                       | Packaging                       | Tray                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 44-TQFP                                                                           | Oscillator Type                 | Internal                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TA)                                                                 | Number of I/O                   | 36                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                                                                     | Manufacturer Standard Lead Time | 8 Weeks                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                        | EEPROM Size                     | -                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 32KB (16K x 16) FLASH 44-TQFP (10x10) | Data Converters                 | A/D 13x10b                                                                                                                                                                                                                                                                                                                                                                                                                |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8-Bit                                                                             | Core Processor                  | PIC                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC, SPI, UART/USART                                                               | Base Part Number                | PIC18LF4510                                                                                                                                                                                                                                                                                                                                                                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18LF4510-I/P</a><br>Description: IC MCU 8BIT 32KB FLASH 40DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4515-I/ML</a><br>Description: IC MCU 8BIT 48KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22-I/P</a><br>Description: IC MCU 8BIT 16KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22T-I/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4510-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4515T-I/PT</a><br>Description: IC MCU 8BIT 48KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF452-I/P</a><br>Description: IC MCU 8BIT 32KB FLASH 40DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22T-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22-I/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4515-I/PT</a><br>Description: IC MCU 8BIT 48KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF452-I/L</a><br>Description: IC MCU 8BIT 32KB FLASH 44PLCC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22-I/MV</a><br>Description: IC MCU 8BIT 16KB FLASH 40UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22T-I/MV</a><br>Description: IC MCU 8BIT 16KB FLASH 40UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4510T-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4510T-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF44K22-E/PT</a><br>Description: IC MCU 8BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF452-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4515T-I/ML</a><br>Description: IC MCU 8BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4515-I/P</a><br>Description: IC MCU 8BIT 48KB FLASH 40DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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