

PIC18LC442T-I/L



Part Number: [PIC18LC442T-I/L](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB OTP 44PLCC

Data sheet:  [PIC18Cxx2](#)  
 [MSSP Module Silicon, Data Sheet Errata](#)

RoHs Status: Lead free / RoHS Compliant

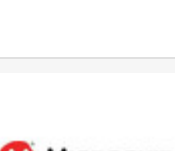
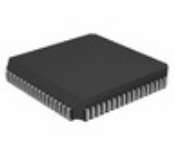
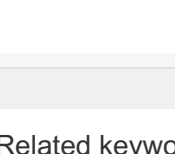
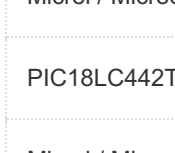
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                            |                                |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC18LC442T-I/L                            | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 8BIT 16KB OTP 44PLCC                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5918 pcs                                   | Data sheet                     | <a href="#">PIC18Cxx2</a><br><a href="#">MSSP Module Silicon, Data Sheet Errata</a>  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)     | 2.5 V ~ 5.5 V                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 44-PLCC (16.59x16.59)                      | Speed                          | 40MHz                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC® 18C                                   | RAM Size                       | 512 x 8                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OTP                                        | Program Memory Size            | 16KB (8K x 16)                                                                       |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Brown-out Detect/Reset, LVD, POR, PWM, WDT | Packaging                      | Tape & Reel (TR)                                                                     |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 44-LCC (J-Lead)                            | Oscillator Type                | External                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -40°C ~ 85°C (TA)                          | Number of I/O                  | 33                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 (168 Hours)                              | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                          | Detailed Description           | PIC PIC® 18C Microcontroller IC 8-Bit 40MHz 16KB (8K x 16) OTP 44-PLCC (16.59x16.59) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 8x10b                                  | Core Size                      | 8-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC                                        | Connectivity                   | I²C, SPI, UART/USART                                                                 |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC18LC442                                 |                                |                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18LC452-I/PT</a><br>Description: IC MCU 8BIT 32KB OTP 44TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC601T-I/PT</a><br>Description: IC MCU 8BIT ROMLESS 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC601-I/PT</a><br>Description: IC MCU 8BIT ROMLESS 64TQFP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC252-I/SP</a><br>Description: IC MCU 8BIT 32KB OTP 28SDIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC442-I/P</a><br>Description: IC MCU 8BIT 16KB OTP 40DIP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC252T-I/SO</a><br>Description: IC MCU 8BIT 32KB OTP 28SOIC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC452-I/P</a><br>Description: IC MCU 8BIT 32KB OTP 40DIP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC452-I/L</a><br>Description: IC MCU 8BIT 32KB OTP 44PLCC        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC452T-I/PT</a><br>Description: IC MCU 8BIT 32KB OTP 44TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC442T-I/PT</a><br>Description: IC MCU 8BIT 16KB OTP 44TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC242-I/SP</a><br>Description: IC MCU 8BIT 16KB OTP 28SDIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC442-I/PT</a><br>Description: IC MCU 8BIT 16KB OTP 44TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC601-I/L</a><br>Description: IC MCU 8BIT ROMLESS 68PLCC         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC252-I/SO</a><br>Description: IC MCU 8BIT 32KB OTP 28SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC242-I/SO</a><br>Description: IC MCU 8BIT 16KB OTP 28SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC452T-I/L</a><br>Description: IC MCU 8BIT 32KB OTP 44PLCC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC442-I/L</a><br>Description: IC MCU 8BIT 16KB OTP 44PLCC        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC242T-I/SO</a><br>Description: IC MCU 8BIT 16KB OTP 28SOIC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F97J94T-I/PT</a><br>Description: IC MCU 8BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LC601T-I/L</a><br>Description: IC MCU 8BIT ROMLESS 68PLCC        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for PIC18LC442T-I/L

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