

**MICROCHIP**

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC18C442T-I/L

Part Number: PIC18C442T-I/L

Manufacturer/Brand: Micrel / Microchip Technology

Product description: IC MCU 8BIT 16KB OTP 44PLCC

Datasheets: [1.PIC18C442T-I/L.pdf](#)  
[2.PIC18C442T-I/L.pdf](#)  
[3.PIC18C442T-I/L.pdf](#)  
[4.PIC18C442T-I/L.pdf](#)  
[5.PIC18C442T-I/L.pdf](#)

RoHs Status:  Lead free / RoHS Compliant

Stock Condition: 5906 pcs stock

Ship From: Hong Kong

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

REQUEST FOR QUOTATION

Specifications of PIC18C442T-I/L

|                                  |                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18C442T-I/L                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 16KB OTP 44PLCC                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 5906 pcs                                                                                                                                                                                             |
| DATA SHEET                       | <a href="#">1.PIC18C442T-I/L.pdf</a><br><a href="#">2.PIC18C442T-I/L.pdf</a><br><a href="#">3.PIC18C442T-I/L.pdf</a><br><a href="#">4.PIC18C442T-I/L.pdf</a><br><a href="#">5.PIC18C442T-I/L.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.2 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                 | PIC18C442                                                                                                                                                                                            |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology PIC18C442T-I/L | PIC18C442T-I/L Distributor             | PIC18C442T-I/L Supplier                               |
| PIC18C442T-I/L Price                         | PIC18C442T-I/L Pictures                | PIC18C442T-I/L Image                                  |
| PIC18C442T-I/L PDF Datasheet                 | PIC18C442T-I/L Download Datasheet      | PIC18C442T-I/L Datasheet                              |
| PIC18C442T-I/L Stock                         | Buy PIC18C442T-I/L                     | Buy Micrel / Microchip Technology PIC18C442T-I/L      |
| Micrel / Microchip Technology PIC18C442T-I/L | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology PIC18C442T-I/L | Microchip Technology PIC18C442T-I/L    | Roving Networks / Microchip Technology PIC18C442T-I/L |

Related Products

|                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>PIC18C442-I/PT</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 16KB OTP 44TQFP</p> <p>In stock: 13832 pcs</p> <p>RFQ</p> |  <p><b>PIC18C452-I/L</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 32KB OTP 44PLCC</p> <p>In stock: 14185 pcs</p> <p>RFQ</p>  |
|  <p><b>PIC18C442-I/P</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 16KB OTP 40DIP</p> <p>In stock: 18192 pcs</p> <p>RFQ</p>   |  <p><b>PIC18C442/JW</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 16KB EPROM 40CDIP</p> <p>In stock: 5153 pcs</p> <p>RFQ</p>  |
|  <p><b>PIC18C452-I/P</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 32KB OTP 40DIP</p> <p>In stock: 12973 pcs</p> <p>RFQ</p>   |  <p><b>PIC18C452-E/P</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 32KB OTP 40DIP</p> <p>In stock: 11733 pcs</p> <p>RFQ</p>   |
|  <p><b>PIC18C452-E/PT</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 32KB OTP 44TQFP</p> <p>In stock: 7020 pcs</p> <p>RFQ</p>  |  <p><b>PIC18C442T-E/PT</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 16KB OTP 44TQFP</p> <p>In stock: 6186 pcs</p> <p>RFQ</p> |
|  <p><b>PIC18C452-E/L</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 32KB OTP 44PLCC</p> <p>In stock: 4728 pcs</p> <p>RFQ</p>   |  <p><b>PIC18C442-I/L</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 16KB OTP 44PLCC</p> <p>In stock: 13637 pcs</p> <p>RFQ</p>  |
|  <p><b>PIC18C442T-E/L</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 16KB OTP 44PLCC</p> <p>In stock: 3955 pcs</p> <p>RFQ</p>  |  <p><b>PIC18C442T-I/PT</b></p> <p>Manufacturers: Micrel / Microchip Technology</p> <p>Description: IC MCU 8BIT 16KB OTP 44TQFP</p> <p>In stock: 6255 pcs</p> <p>RFQ</p> |