



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC18C442-I/PT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC18C442-I/PT                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 16KB OTP 44TQFP                                                                                  |
|                     |  1.PIC18C442-I/PT.pdf       |
|                     |  2.PIC18C442-I/PT.pdf       |
|                     |  3.PIC18C442-I/PT.pdf       |
|                     |  4.PIC18C442-I/PT.pdf       |
|                     |  5.PIC18C442-I/PT.pdf       |
|                     |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Stock Condition     | 13832 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of PIC18C442-I/PT

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18C442-I/PT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 8BIT 16KB OTP 44TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 13832 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.PIC18C442-I/PT.pdf<br> 2.PIC18C442-I/PT.pdf<br> 3.PIC18C442-I/PT.pdf<br> 4.PIC18C442-I/PT.pdf<br> 5.PIC18C442-I/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 44-TQFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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-TQFP (10x10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 PIC18C442-I/PT | PIC18C442-I/PT Distributor             | PIC18C442-I/PT Supplier                               |
| PIC18C442-I/PT Price                         | PIC18C442-I/PT Pictures                | PIC18C442-I/PT Image                                  |
| PIC18C442-I/PT PDF Datasheet                 | PIC18C442-I/PT Download Datasheet      | PIC18C442-I/PT Datasheet                              |
| PIC18C442-I/PT Stock                         | Buy PIC18C442-I/PT                     | Buy Micrel / Microchip Technology PIC18C442-I/PT      |
| Micrel / Microchip Technology PIC18C442-I/PT | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology PIC18C442-I/PT | Microchip Technology PIC18C442-I/PT    | Roving Networks / Microchip Technology PIC18C442-I/PT |

Related Products

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|  <div><b>PIC18C442-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 44TQFP<br/>In stock: 6791 pcs</div> <div>RFQ</div>   |  <div><b>PIC18C452-E/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB OTP 44PLCC<br/>In stock: 4728 pcs</div> <div>RFQ</div>   |
|  <div><b>PIC18C442-I/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 44PLCC<br/>In stock: 13637 pcs</div> <div>RFQ</div>   |  <div><b>PIC18C442-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 40DIP<br/>In stock: 18192 pcs</div> <div>RFQ</div>   |
|  <div><b>PIC18C442T-E/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 44PLCC<br/>In stock: 3955 pcs</div> <div>RFQ</div>   |  <div><b>PIC18C442-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 40DIP<br/>In stock: 4767 pcs</div> <div>RFQ</div>    |
|  <div><b>PIC18C442T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 44TQFP<br/>In stock: 6186 pcs</div> <div>RFQ</div>  |  <div><b>PIC18C442T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 44TQFP<br/>In stock: 6255 pcs</div> <div>RFQ</div> |
|  <div><b>PIC18C252T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB OTP 28SOIC<br/>In stock: 18123 pcs</div> <div>RFQ</div> |  <div><b>PIC18C442/JW</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB EPROM 40CDIP<br/>In stock: 5153 pcs</div> <div>RFQ</div>  |
|  <div><b>PIC18C442T-I/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 44PLCC<br/>In stock: 5906 pcs</div> <div>RFQ</div>   |  <div><b>PIC18C442-E/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 16KB OTP 44PLCC<br/>In stock: 6588 pcs</div> <div>RFQ</div>   |