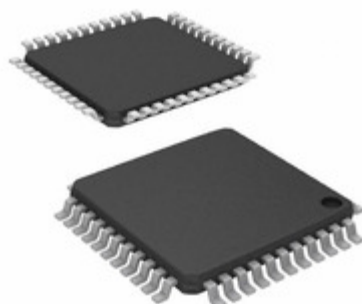


PIC18LF452T-I/PT



Images are for reference only.  
See Product Specifications for product details.  
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Part Number: [PIC18LF452T-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 32KB FLASH 44TQFP

Data sheet:  [PIC18F2x2, 4x2 Rev B5 Errata](#)  
 [PIC18Fxx2 Rev.B2 Datasheet Errata](#)  
 [PIC18Fxx2 Rev. C1 Silicon, Datasheet Errata](#)  
 [PIC18Fxx2 Rev.B3/B4 Datasheet Errata](#)  
 [Timer1 Errata](#)  
 [PIC18F2x2, 4x2 Datasheet](#)  
 [PIC18Fxx2 Rev C0 Errata](#)  
 [PIC18Fxx2, xx8 Programming Specification](#)

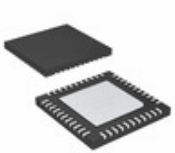
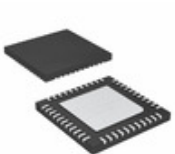
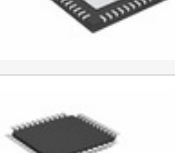
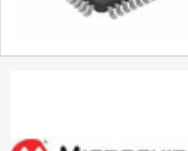
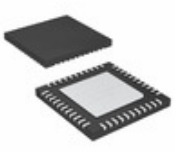
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                                  |                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC18LF452T-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 14225 pcs                                  | Data sheet                       | <a href="#">PIC18F2x2, 4x2 Rev B5 Errata</a><br><a href="#">PIC18Fxx2 Rev.B2 Datasheet Errata</a><br><a href="#">PIC18Fxx2 Rev. C1 Silicon, Datasheet Errata</a><br><a href="#">PIC18Fxx2 Rev.B3/B4 Datasheet Errata</a><br><a href="#">Timer1 Errata</a><br><a href="#">PIC18F2x2, 4x2 Datasheet</a><br><a href="#">PIC18Fxx2 Rev C0 Errata</a><br><a href="#">PIC18Fxx2, xx8 Programming Specification</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, LVD, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 44-TQFP                                    | Other Names                      | PIC18LF452T-I/PT-ND<br>PIC18LF452T-I/PTTR                                                                                                                                                                                                                                                                                                                                                                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | External                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                            |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 34                                         | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 256 x 8                                    | Detailed Description             | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 32KB (16K x 16) FLASH 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                            |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 8x10b                                  | Core Size                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC                                        | Connectivity                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                         |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC18LF452                                 |                                  |                                                                                                                                                                                                                                                                                                                                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18LF4523T-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4539-I/P</a><br>Description: IC MCU 8BIT 24KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4539T-I/ML</a><br>Description: IC MCU 8BIT 24KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4550-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4550-I/P</a><br>Description: IC MCU 8BIT 32KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4550-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4523T-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4539-I/ML</a><br>Description: IC MCU 8BIT 24KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4539-I/PT</a><br>Description: IC MCU 8BIT 24KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF452T-I/L</a><br>Description: IC MCU 8BIT 32KB FLASH 44PLCC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4525-I/ML</a><br>Description: IC MCU 8BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4539T-I/PT</a><br>Description: IC MCU 8BIT 24KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4525T-I/ML</a><br>Description: IC MCU 8BIT 48KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4550T-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF452T-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4523-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4550T-I/PT</a><br>Description: IC MCU 8BIT 32KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4525T-I/PT</a><br>Description: IC MCU 8BIT 48KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF4525-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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