



Micrel / Microchip Technology

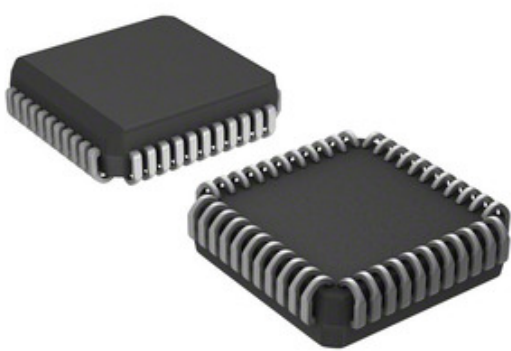


Image may be representation. See specifications for product details.

PIC18F452T-I/L

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC18F452T-I/L                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 32KB FLASH 44PLCC                                                                                |
|                     | <a href="#">1.PIC18F452T-I/L.pdf</a>                                                                         |
|                     | <a href="#">2.PIC18F452T-I/L.pdf</a>                                                                         |
|                     | <a href="#">3.PIC18F452T-I/L.pdf</a>                                                                         |
|                     | <a href="#">4.PIC18F452T-I/L.pdf</a>                                                                         |
|                     | <a href="#">5.PIC18F452T-I/L.pdf</a>                                                                         |
|                     | <a href="#">6.PIC18F452T-I/L.pdf</a>                                                                         |
|                     | <a href="#">7.PIC18F452T-I/L.pdf</a>                                                                         |
|                     | <a href="#">8.PIC18F452T-I/L.pdf</a>                                                                         |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
|                     | <a href="#">REQUEST FOR QUOTATION</a> <a href="#">DHL/Fedex/TNT/UPS/EMS</a>                                  |

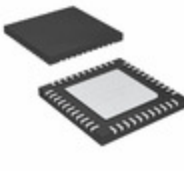
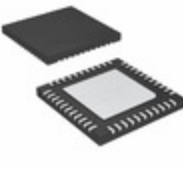
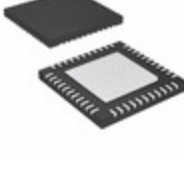
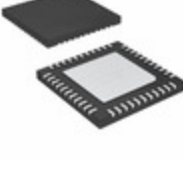
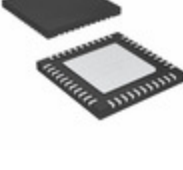
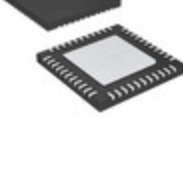
Specifications of PIC18F452T-I/L

|                                  |                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18F452T-I/L                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                |
| DESCRIPTION                      | IC MCU 8BIT 32KB FLASH 44PLCC                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       | <a href="#">1.PIC18F452T-I/L.pdf</a><br><a href="#">2.PIC18F452T-I/L.pdf</a><br><a href="#">3.PIC18F452T-I/L.pdf</a><br><a href="#">4.PIC18F452T-I/L.pdf</a><br><a href="#">5.PIC18F452T-I/L.pdf</a><br><a href="#">6.PIC18F452T-I/L.pdf</a><br><a href="#">7.PIC18F452T-I/L.pdf</a><br><a href="#">8.PIC18F452T-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® 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-LCC (J-Lead)                                                                                                                                                                                                                                                                                                              |
| OTHER NAMES                      | PIC18F452T-I/L-ND<br>PIC18F452T-I/LTR<br>Q1165038                                                                                                                                                                                                                                                                            |
| 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  | 4 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-PLCC (16.59x16.59)                                                                                                                                                                                                                                      |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                                                                                                                                    |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                          |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                         |
| BASE PART NUMBER                 | PIC18F452                                                                                                                                                                                                                                                                                                                    |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology PIC18F452T-I/L | PIC18F452T-I/L Distributor             | PIC18F452T-I/L Supplier                               |
| PIC18F452T-I/L Price                         | PIC18F452T-I/L Pictures                | PIC18F452T-I/L Image                                  |
| PIC18F452T-I/L PDF Datasheet                 | PIC18F452T-I/L Download Datasheet      | PIC18F452T-I/L Datasheet                              |
| PIC18F452T-I/L Stock                         | Buy PIC18F452T-I/L                     | Buy Micrel / Microchip Technology PIC18F452T-I/L      |
| Micrel / Microchip Technology PIC18F452T-I/L | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology PIC18F452T-I/L | Microchip Technology PIC18F452T-I/L    | Roving Networks / Microchip Technology PIC18F452T-I/L |

Related Products

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>PIC18F4525-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 40DIP<br/>In stock: Out stock</div> <div>RFQ</div>   |  <div><b>PIC18F4525-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44TQFP<br/>In stock: 723 pcs</div> <div>RFQ</div>   |
|  <div><b>PIC18F4539-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 24KB FLASH 44QFN<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>PIC18F4539-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 24KB FLASH 44QFN<br/>In stock: Out stock</div> <div>RFQ</div>  |
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|  <div><b>PIC18F452T-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: Out stock</div> <div>RFQ</div>  |  <div><b>PIC18F452T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: Out stock</div> <div>RFQ</div>  |
|  <div><b>PIC18F4525T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44TQFP<br/>In stock: 510 pcs</div> <div>RFQ</div>  |  <div><b>PIC18F4525T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44QFN<br/>In stock: Out stock</div> <div>RFQ</div> |
|  <div><b>PIC18F452T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44TQFP<br/>In stock: Out stock</div> <div>RFQ</div> |  <div><b>PIC18F4525-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44QFN<br/>In stock: Out stock</div> <div>RFQ</div>  |

