



Micrel / Microchip Technology

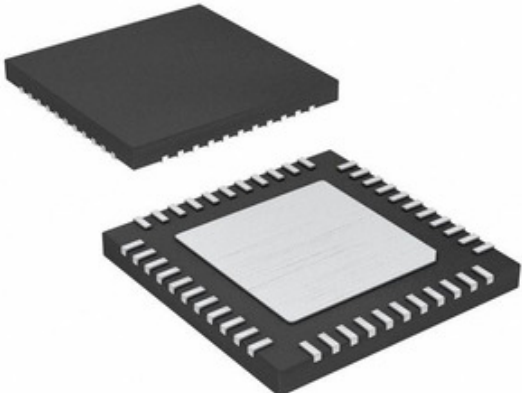


Image may be representation. See specifications for product details.

PIC18F4515T-I/ML

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC18F4515T-I/ML                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 48KB FLASH 44QFN                                                                                 |
|                     |  1.PIC18F4515T-I/ML.pdf     |
|                     |  2.PIC18F4515T-I/ML.pdf     |
|                     |  3.PIC18F4515T-I/ML.pdf     |
|                     |  4.PIC18F4515T-I/ML.pdf     |
|                     |  5.PIC18F4515T-I/ML.pdf     |
|                     |  6.PIC18F4515T-I/ML.pdf     |
|                     |  7.PIC18F4515T-I/ML.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3789 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
|                     | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

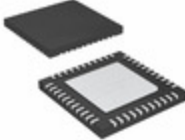
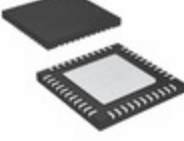
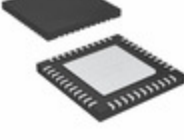
Specifications of PIC18F4515T-I/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18F4515T-I/ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| DESCRIPTION                      | IC MCU 8BIT 48KB FLASH 44QFN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| QUANTITY AVAILABLE               | 3789 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DATA SHEET                       |  1.PIC18F4515T-I/ML.pdf<br> 2.PIC18F4515T-I/ML.pdf<br> 3.PIC18F4515T-I/ML.pdf<br> 4.PIC18F4515T-I/ML.pdf<br> 5.PIC18F4515T-I/ML.pdf<br> 6.PIC18F4515T-I/ML.pdf<br> 7.PIC18F4515T-I/ML.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4.2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 44-QFN (8x8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SPEED                            | 40MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SERIES                           | PIC® 18F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RAM SIZE                         | 3.8K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PROGRAM MEMORY SIZE              | 48KB (24K x 16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, HLVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 44-VQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NUMBER OF I/O                    | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DETAILED DESCRIPTION             | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 48KB (24K x 16) FLASH 44-QFN (8x8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DATA CONVERTERS                  | A/D 13x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASE PART NUMBER                 | PIC18F4515                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology PIC18F4515T-I/ML | PIC18F4515T-I/ML Distributor           | PIC18F4515T-I/ML Supplier                               |
| PIC18F4515T-I/ML Price                         | PIC18F4515T-I/ML Pictures              | PIC18F4515T-I/ML Image                                  |
| PIC18F4515T-I/ML PDF Datasheet                 | PIC18F4515T-I/ML Download Datasheet    | PIC18F4515T-I/ML Datasheet                              |
| PIC18F4515T-I/ML Stock                         | Buy PIC18F4515T-I/ML                   | Buy Micrel / Microchip Technology PIC18F4515T-I/ML      |
| Micrel / Microchip Technology PIC18F4515T-I/ML | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC18F4515T-I/ML | Microchip Technology PIC18F4515T-I/ML  | Roving Networks / Microchip Technology PIC18F4515T-I/ML |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>PIC18F452-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44QFN<br/>In stock: 9576 pcs<br/>RFQ</div>    |  <div><b>PIC18F4515T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44TQFP<br/>In stock: 6979 pcs<br/>RFQ</div>             |
|  <div><b>PIC18F452-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 40DIP<br/>In stock: 13084 pcs<br/>RFQ</div>    |  <div><b>PIC18F4515-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44QFN<br/>In stock: 4130 pcs<br/>RFQ</div>               |
|  <div><b>PIC18F4515-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 40DIP<br/>In stock: 22352 pcs<br/>RFQ</div>   |  <div><b>PIC18F4515-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44QFN<br/>In stock: 20382 pcs<br/>RFQ</div>              |
|  <div><b>PIC18F4515-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44TQFP<br/>In stock: 24459 pcs<br/>RFQ</div> |  <div><b>PIC18F452-E/L</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 32KB FLASH 44PLCC<br/>In stock: 10821 pcs<br/>RFQ</div>               |
|  <div><b>PIC18F4515-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 44TQFP<br/>In stock: 4324 pcs<br/>RFQ</div>  |  <div><b>PIC18F452 DEVELOPMENT KIT</b><br/>Manufacturers: Custom Computer Services<br/>Description: EMBEDDED C DEVELOPMENT KIT<br/>In stock: 6975 pcs<br/>RFQ</div>            |
|  <div><b>PIC18F4515-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 48KB FLASH 40DIP<br/>In stock: 22609 pcs<br/>RFQ</div>   |  <div><b>PIC18F452 DEVELOPMENT BOARD KIT</b><br/>Manufacturers: Custom Computer Services<br/>Description: DEVELOPMENT BOARD FOR PIC18F452<br/>In stock: 2725 pcs<br/>RFQ</div> |

