



Micrel / Microchip Technology

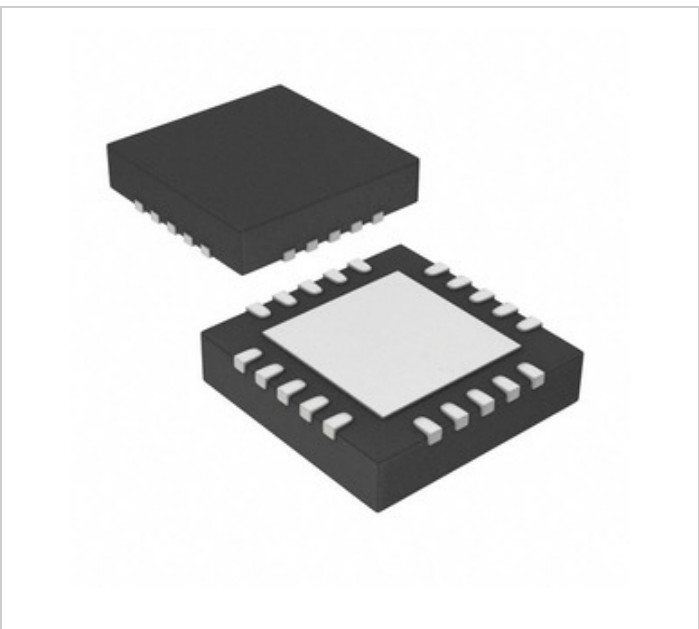


Image may be representation. See specifications for product details.

PIC16F1507T-I/ML

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC16F1507T-I/ML                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 3.5KB FLASH 20QFN                                                                                |
|                     |  1.PIC16F1507T-I/ML.pdf     |
|                     |  2.PIC16F1507T-I/ML.pdf     |
|                     |  3.PIC16F1507T-I/ML.pdf     |
|                     |  4.PIC16F1507T-I/ML.pdf     |
|                     |  5.PIC16F1507T-I/ML.pdf     |
|                     |  6.PIC16F1507T-I/ML.pdf     |
|                     |  7.PIC16F1507T-I/ML.pdf     |
|                     |  8.PIC16F1507T-I/ML.pdf     |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 101487 pcs stock                                                                                             |
|                     | Hong Kong                                                                                                    |
| Shipment way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

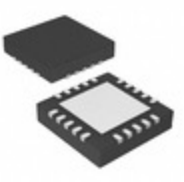
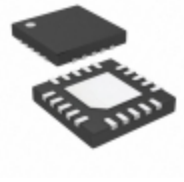
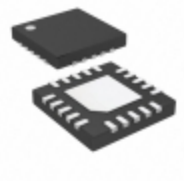
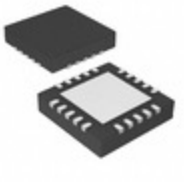
Specifications of PIC16F1507T-I/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F1507T-I/ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DESCRIPTION                      | IC MCU 8BIT 3.5KB FLASH 20QFN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 101487 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       |  1.PIC16F1507T-I/ML.pdf<br> 2.PIC16F1507T-I/ML.pdf<br> 3.PIC16F1507T-I/ML.pdf<br> 4.PIC16F1507T-I/ML.pdf<br> 5.PIC16F1507T-I/ML.pdf<br> 6.PIC16F1507T-I/ML.pdf<br> 7.PIC16F1507T-I/ML.pdf<br> 8.PIC16F1507T-I/ML.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.3 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 20-QFN (4x4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SPEED                            | 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SERIES                           | PIC® 16F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RAM SIZE                         | 128 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY SIZE              | 3.5KB (2K x 14)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 20-VFQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NUMBER OF I/O                    | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DETAILED DESCRIPTION             | PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 3.5KB (2K x 14) FLASH 20-QFN (4x4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DATA CONVERTERS                  | A/D 12x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CONNECTIVITY                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASE PART NUMBER                 | PIC16F1507                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology PIC16F1507T-I/ML | PIC16F1507T-I/ML Distributor           | PIC16F1507T-I/ML Supplier                               |
| PIC16F1507T-I/ML Price                         | PIC16F1507T-I/ML Pictures              | PIC16F1507T-I/ML Image                                  |
| PIC16F1507T-I/ML PDF Datasheet                 | PIC16F1507T-I/ML Download Datasheet    | PIC16F1507T-I/ML Datasheet                              |
| PIC16F1507T-I/ML Stock                         | Buy PIC16F1507T-I/ML                   | Buy Micrel / Microchip Technology PIC16F1507T-I/ML      |
| Micrel / Microchip Technology PIC16F1507T-I/ML | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC16F1507T-I/ML | Microchip Technology PIC16F1507T-I/ML  | Roving Networks / Microchip Technology PIC16F1507T-I/ML |

Related Products

|                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>PIC16F1508-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SOIC<br/>In stock: 75749 pcs<br/><div>RFQ</div></div>     |  <div><b>PIC16F1507-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20QFN<br/>In stock: 102134 pcs<br/><div>RFQ</div></div>   |
|  <div><b>PIC16F1507T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20SOIC<br/>In stock: 104333 pcs<br/><div>RFQ</div></div> |  <div><b>PIC16F1507-I/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20UQFN<br/>In stock: 127219 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC16F1507-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20SOIC<br/>In stock: 82370 pcs<br/><div>RFQ</div></div>   |  <div><b>PIC16F1507T-I/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20UQFN<br/>In stock: 104041 pcs<br/><div>RFQ</div></div> |
|  <div><b>PIC16F1507-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP<br/>In stock: 107664 pcs<br/><div>RFQ</div></div>  |  <div><b>PIC16F1508-E/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20UQFN<br/>In stock: 82856 pcs<br/><div>RFQ</div></div>     |
|  <div><b>PIC16F1508-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20QFN<br/>In stock: 76759 pcs<br/><div>RFQ</div></div>      |  <div><b>PIC16F1507T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP<br/>In stock: 96864 pcs<br/><div>RFQ</div></div>  |
|  <div><b>PIC16F1508-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20DIP<br/>In stock: 75776 pcs<br/><div>RFQ</div></div>       |  <div><b>PIC16F1507-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 3.5KB FLASH 20DIP<br/>In stock: 70286 pcs<br/><div>RFQ</div></div>     |

