

PIC18LF2523T-I/ML



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Part Number: [PIC18LF2523T-I/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 32KB FLASH 28QFN

Data sheet:  [PIC18F2x23, 4x23 Datasheet](#)  
 [PIC18F\(2, 4\)zzz Programming Specification](#)  
 [PIC18F2x23,4x23 Flash Programming Spec](#)  
 [PIC18F2x23, 4x23 Rev B2 Errata](#)

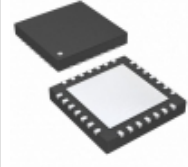
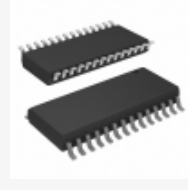
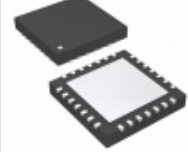
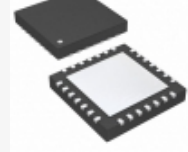
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                |                                 |                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PIC18LF2523T-I/ML                                                              | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 32KB FLASH 28QFN                                                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20673 pcs                                                                      | Data sheet                      | <a href="#">PIC18F2x23, 4x23 Datasheet</a><br><a href="#">PIC18F(2, 4)zzz Programming Specification</a><br><a href="#">PIC18F2x23,4x23 Flash Programming Spec</a><br><a href="#">PIC18F2x23, 4x23 Rev B2 Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                      | Voltage - Supply (Vcc/Vdd)      | 2 V ~ 5.5 V                                                                                                                                                                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 28-QFN (6x6)                                                                   | 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, HLVD, POR, PWM, WDT                                    | Packaging                       | Tape & Reel (TR)                                                                                                                                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 28-VQFN Exposed Pad                                                            | Oscillator Type                 | Internal                                                                                                                                                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                                                              | Number of I/O                   | 25                                                                                                                                                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 (Unlimited)                                                                  | Manufacturer Standard Lead Time | 5 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 28-QFN (6x6) | Data Converters                 | A/D 10x12b                                                                                                                                                                                                          |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                          | Core Processor                  | PIC                                                                                                                                                                                                                 |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I <sup>2</sup> C, SPI, UART/USART                                              | Base Part Number                | PIC18LF2523                                                                                                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
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|  | Part#: <a href="#">PIC18LF2539-I/SP</a><br>Description: IC MCU 8BIT 24KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2523-I/SP</a><br>Description: IC MCU 8BIT 32KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2520-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2523T-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF252-I/SP</a><br>Description: IC MCU 8BIT 32KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC18LF2539T-I/SO</a><br>Description: IC MCU 8BIT 24KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF252-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2550-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2523-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2520-I/SP</a><br>Description: IC MCU 8BIT 32KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2525-I/SP</a><br>Description: IC MCU 8BIT 48KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2520-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF252T-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2539-I/SO</a><br>Description: IC MCU 8BIT 24KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF252T-I/SOG</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2525T-I/SO</a><br>Description: IC MCU 8BIT 48KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF2525-I/SO</a><br>Description: IC MCU 8BIT 48KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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