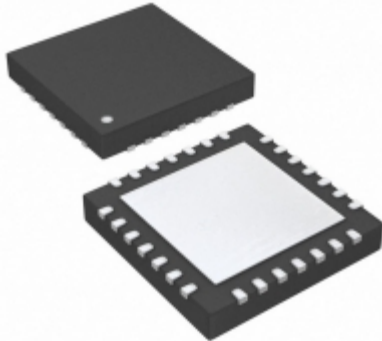


PIC18F2423T-I/ML





Part Number: [PIC18F2423T-I/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 28QFN

Data sheet:  [PIC18F2x23, 4x23 Datasheet](#)  
 [PIC18F2x23,4x23 Flash Programming Spec](#)  
 [PIC18F2x23, 4x23 Rev B2 Errata](#)

RoHs Status: Lead free / RoHS Compliant

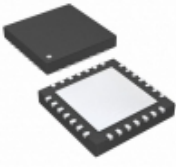
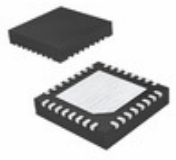
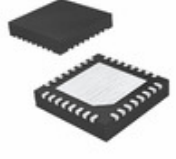
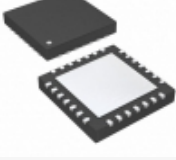
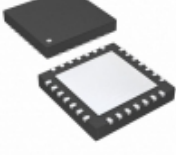
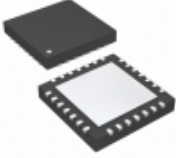
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                             |                                  |                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC18F2423T-I/ML                            | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                          |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 8BIT 16KB FLASH 28QFN                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                             |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 29155 pcs                                   | Data sheet                       | <a href="#">PIC18F2x23, 4x23 Datasheet</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)       | 4.2 V ~ 5.5 V                                                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28-QFN (6x6)                                | Speed                            | 40MHz                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC® 18F                                    | RAM Size                         | 768 x 8                                                                                                                                                |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FLASH                                       | Program Memory Size              | 16KB (8K x 16)                                                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Brown-out Detect/Reset, HLVD, POR, PWM, WDT | Packaging                        | Tape & Reel (TR)                                                                                                                                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 28-VQFN Exposed Pad                         | Other Names                      | PIC18F2423T-I/MLTR                                                                                                                                     |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 17 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 16KB (8K x 16) FLASH 28-QFN (6x6)                                                                          |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 10x12b                                  | Core Size                        | 8-Bit                                                                                                                                                  |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PIC                                         | Connectivity                     | I²C, SPI, UART/USART                                                                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC18F2423                                  |                                  |                                                                                                                                                        |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18F2420T-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2423-I/SP</a><br>Description: IC MCU 8BIT 16KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431-E/MM</a><br>Description: IC MCU 8BIT 16KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2420-I/SP</a><br>Description: IC MCU 8BIT 16KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2423-I/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2420-I/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2423-E/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2420T-I/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2423T-I/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F242T-I/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431-I/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431-I/MM</a><br>Description: IC MCU 8BIT 16KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431T-E/SOG</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431T-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2423-I/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431-E/SP</a><br>Description: IC MCU 8BIT 16KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2423-E/ML</a><br>Description: IC MCU 8BIT 16KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431-I/SP</a><br>Description: IC MCU 8BIT 16KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2431-E/SO</a><br>Description: IC MCU 8BIT 16KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18F2423-E/SP</a><br>Description: IC MCU 8BIT 16KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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