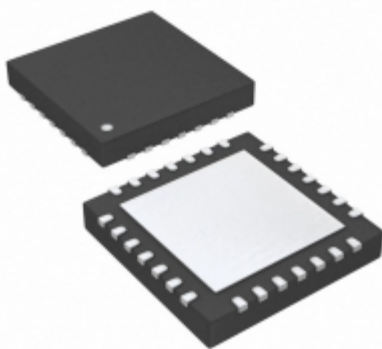


PIC18LF25K42-I/ML





Part Number: [PIC18LF25K42-I/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 32KB FLASH 28QFN

Data sheet:  [PIC18\(L\)F24/25K42 Memory Prog Specification](#)  
 [PIC18\(L\)F24,25K42 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

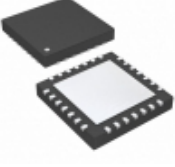
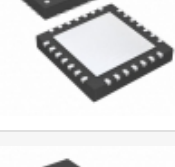
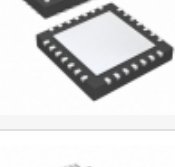
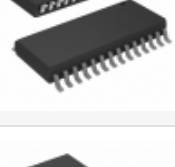
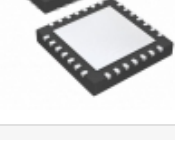
Ship From: Hong Kong

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PIC18LF25K42-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 76053 pcs                                                                           | Data sheet                      | <a href="#">PIC18(L)F24/25K42 Memory Prog Specification</a><br><a href="#">PIC18(L)F24,25K42 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                           | Voltage - Supply (Vcc/Vdd)      | 1.8 V ~ 3.6 V                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 28-QFN (6x6)                                                                        | Speed                           | 64MHz                                                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC® XLP™ 18K                                                                       | RAM Size                        | 2K x 8                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                               | Program Memory Size             | 32KB (16K x 16)                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT                                    | Packaging                       | Tube                                                                                                       |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                                                                       | Manufacturer Standard Lead Time | 10 Weeks                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                          | EEPROM Size                     | 256 x 8                                                                                                    |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PIC PIC® XLP™ 18K Microcontroller IC 8-Bit 64MHz 32KB (16K x 16) FLASH 28-QFN (6x6) | Data Converters                 | A/D 24x12b, D/A 1x5b                                                                                       |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                               | Core Processor                  | PIC                                                                                                        |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I²C, LINbus, SPI, UART/USART                                                        |                                 |                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                         |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC18LF25K42-E/SS</a><br>Description: IC MCU 8BIT 32KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K40T-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K50-E/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K40T-I/SS</a><br>Description: IC MCU 8BIT 32KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K42-I/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K42-I/MV</a><br>Description: IC MCU 8BIT 32KB FLASH 28UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K40-I/SS</a><br>Description: IC MCU 8BIT 32KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K42-E/SP</a><br>Description: IC MCU 8BIT 32KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K50-E/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K42-E/SO</a><br>Description: IC MCU 8BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K40T-I/MV</a><br>Description: IC MCU 8BIT 32KB FLASH 28UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K42-I/SP</a><br>Description: IC MCU 8BIT 32KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC18LF25K42T-I/ML</a><br>Description: IC MCU 8BIT 32KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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