



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC18LF4331-I/ML

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC18LF4331-I/ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product description | IC MCU 8BIT 8KB FLASH 44QFN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Datasheets:         | <div><div>1.PIC18LF4331-I/ML.pdf</div><div>2.PIC18LF4331-I/ML.pdf</div><div>3.PIC18LF4331-I/ML.pdf</div><div>4.PIC18LF4331-I/ML.pdf</div><div>5.PIC18LF4331-I/ML.pdf</div><div>6.PIC18LF4331-I/ML.pdf</div><div>7.PIC18LF4331-I/ML.pdf</div><div>8.PIC18LF4331-I/ML.pdf</div></div> |
| RoHs Status         | <div>Lead free / RoHS Compliant</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Stock Condition     | 21751 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shipment way        | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                     | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

REQUEST FOR QUOTATION

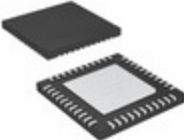
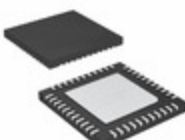
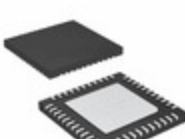
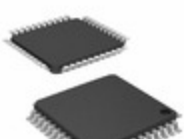
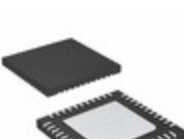
Specifications of PIC18LF4331-I/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC18LF4331-I/ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DESCRIPTION                      | IC MCU 8BIT 8KB FLASH 44QFN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| QUANTITY AVAILABLE               | 21751 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DATA SHEET                       | <div><div>1.PIC18LF4331-I/ML.pdf</div><div>2.PIC18LF4331-I/ML.pdf</div><div>3.PIC18LF4331-I/ML.pdf</div><div>4.PIC18LF4331-I/ML.pdf</div><div>5.PIC18LF4331-I/ML.pdf</div><div>6.PIC18LF4331-I/ML.pdf</div><div>7.PIC18LF4331-I/ML.pdf</div><div>8.PIC18LF4331-I/ML.pdf</div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SUPPLIER DEVICE PACKAGE          | 44-QFN (8x8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SPEED                            | 40MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SERIES                           | PIC® 18F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RAM SIZE                         | 768 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PROGRAM MEMORY SIZE              | 8KB (4K x 16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, LVD, Power Control PWM, QEI, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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                      | 256 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DETAILED DESCRIPTION             | PIC PIC® 18F Microcontroller IC 8-Bit 40MHz 8KB (4K x 16) FLASH 44-QFN (8x8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA CONVERTERS                  | A/D 9x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASE PART NUMBER                 | PIC18LF4331                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology PIC18LF4331-I/ML | PIC18LF4331-I/ML Distributor           | PIC18LF4331-I/ML Supplier                               |
| PIC18LF4331-I/ML Price                         | PIC18LF4331-I/ML Pictures              | PIC18LF4331-I/ML Image                                  |
| PIC18LF4331-I/ML PDF Datasheet                 | PIC18LF4331-I/ML Download Datasheet    | PIC18LF4331-I/ML Datasheet                              |
| PIC18LF4331-I/ML Stock                         | Buy PIC18LF4331-I/ML                   | Buy Micrel / Microchip Technology PIC18LF4331-I/ML      |
| Micrel / Microchip Technology PIC18LF4331-I/ML | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC18LF4331-I/ML | Microchip Technology PIC18LF4331-I/ML  | Roving Networks / Microchip Technology PIC18LF4331-I/ML |

Related Products

|                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><b>PIC18LF43K22-E/MV</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 40UQFN</div><div>In stock: 38551 pcs</div><div>RFQ</div></div></div> | <div><div><b>PIC18LF4321T-I/ML</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44QFN</div><div>In stock: 4147 pcs</div><div>RFQ</div></div></div>   |
| <div><div><b>PIC18LF43K22-E/ML</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44QFN</div><div>In stock: 46224 pcs</div><div>RFQ</div></div></div>  | <div><div><b>PIC18LF4321T-I/PT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44TQFP</div><div>In stock: 37774 pcs</div><div>RFQ</div></div></div> |
| <div><div><b>PIC18LF4331T-I/ML</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44QFN</div><div>In stock: 2752 pcs</div><div>RFQ</div></div></div>   | <div><div><b>PIC18LF4331T-I/PT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44TQFP</div><div>In stock: 3380 pcs</div><div>RFQ</div></div></div>  |
| <div><div><b>PIC18LF4331-I/PT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44TQFP</div><div>In stock: 24045 pcs</div><div>RFQ</div></div></div>  | <div><div><b>PIC18LF4331-I/P</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 40DIP</div><div>In stock: 20966 pcs</div><div>RFQ</div></div></div>    |
| <div><div><b>PIC18LF4320T-I/PT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44TQFP</div><div>In stock: 14779 pcs</div><div>RFQ</div></div></div> | <div><div><b>PIC18LF4321-I/ML</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44QFN</div><div>In stock: 24037 pcs</div><div>RFQ</div></div></div>   |
| <div><div><b>PIC18LF4321-I/P</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 40DIP</div><div>In stock: 36775 pcs</div><div>RFQ</div></div></div>    | <div><div><b>PIC18LF4321-I/PT</b><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 8BIT 8KB FLASH 44TQFP</div><div>In stock: 30880 pcs</div><div>RFQ</div></div></div>  |

