

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC16F818-I/ML

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC16F818-I/ML                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 1.75KB FLASH 28QFN                                                                               |
|                     |  1.PIC16F818-I/ML.pdf       |
|                     |  2.PIC16F818-I/ML.pdf       |
|                     |  3.PIC16F818-I/ML.pdf       |
|                     |  4.PIC16F818-I/ML.pdf       |
|                     |  5.PIC16F818-I/ML.pdf       |
|                     |  6.PIC16F818-I/ML.pdf       |
|                     |  7.PIC16F818-I/ML.pdf       |
|                     |  8.PIC16F818-I/ML.pdf       |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 42756 pcs stock                                                                                              |
|                     | ong Kong                                                                                                     |
| Shipment way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

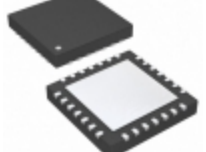
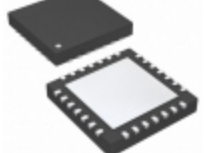
Specifications of PIC16F818-I/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16F818-I/ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DESCRIPTION                      | IC MCU 8BIT 1.75KB FLASH 28QFN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 42756 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DATA SHEET                       |  1.PIC16F818-I/ML.pdf<br> 2.PIC16F818-I/ML.pdf<br> 3.PIC16F818-I/ML.pdf<br> 4.PIC16F818-I/ML.pdf<br> 5.PIC16F818-I/ML.pdf<br> 6.PIC16F818-I/ML.pdf<br> 7.PIC16F818-I/ML.pdf<br> 8.PIC16F818-I/ML.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 4 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 28-QFN (6x6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SPEED                            | 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SERIES                           | PIC® 16F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RAM SIZE                         | 128 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY SIZE              | 1.75KB (1K x 14)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PERIPHERALS                      | Brown-out Detect/Reset, 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                    | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EEPROM SIZE                      | 128 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | PIC PIC® 16F Microcontroller IC 8-Bit 20MHz 1.75KB (1K x 14) FLASH 28-QFN (6x6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DATA CONVERTERS                  | A/D 5x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CONNECTIVITY                     | I²C, SPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASE PART NUMBER                 | PIC16F818                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Related Tags

|                                              |                                        |                                                       |
|----------------------------------------------|----------------------------------------|-------------------------------------------------------|
| Micrel / Microchip Technology PIC16F818-I/ML | PIC16F818-I/ML Distributor             | PIC16F818-I/ML Supplier                               |
| PIC16F818-I/ML Price                         | PIC16F818-I/ML Pictures                | PIC16F818-I/ML Image                                  |
| PIC16F818-I/ML PDF Datasheet                 | PIC16F818-I/ML Download Datasheet      | PIC16F818-I/ML Datasheet                              |
| PIC16F818-I/ML Stock                         | Buy PIC16F818-I/ML                     | Buy Micrel / Microchip Technology PIC16F818-I/ML      |
| Micrel / Microchip Technology PIC16F818-I/ML | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor             |
| Micrel / Microchip Technology PIC16F818-I/ML | Microchip Technology PIC16F818-I/ML    | Roving Networks / Microchip Technology PIC16F818-I/ML |

Related Products

|                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  MICROCHIP<br><b>PIC16F818-E/SO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 18SOIC<br>In stock: 49224 pcs<br><b>RFQ</b>    |  MICROCHIP<br><b>PIC16F785T-I/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP<br>In stock: 65271 pcs<br><b>RFQ</b> |
|  <b>PIC16F818-I/PTSL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 18DIP<br>In stock: 50172 pcs<br><b>RFQ</b>                |  <b>PIC16F818-I/MLTSL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 28QFN<br>In stock: 3280 pcs<br><b>RFQ</b>             |
|  MICROCHIP<br><b>PIC16F818-I/SO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 18SOIC<br>In stock: 50723 pcs<br><b>RFQ</b>    |  <b>PIC16F785T-I/SO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 3.5KB FLASH 20SOIC<br>In stock: 54519 pcs<br><b>RFQ</b>              |
|  <b>PIC16F818-E/P</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 18DIP<br>In stock: 42064 pcs<br><b>RFQ</b>                   |  MICROCHIP<br><b>PIC16F818-I/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 20SSOP<br>In stock: 49054 pcs<br><b>RFQ</b> |
|  MICROCHIP<br><b>PIC16F818-E/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 20SSOP<br>In stock: 46532 pcs<br><b>RFQ</b>    |  <b>PIC16F818-E/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 28QFN<br>In stock: 38656 pcs<br><b>RFQ</b>               |
|  MICROCHIP<br><b>PIC16F818-I/SOTSL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 18SOIC<br>In stock: 37262 pcs<br><b>RFQ</b> |  <b>PIC16F818-I/P</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.75KB FLASH 18DIP<br>In stock: 57043 pcs<br><b>RFQ</b>                |

