

PIC16LF819-I/PTSL



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Part Number: [PIC16LF819-I/PTSL](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 3.5KB FLASH 18DIP

Data sheet:  [PIC16F818, 819](#)  
 [PIC16F818, 819 Rev B0 Silicon Errata](#)  
 [Timer1 Module Silicon Errata Sheet](#)  
 [SSP Module Errata](#)  
 [PIC16F818, 819 Rev A4 Silicon Errata](#)

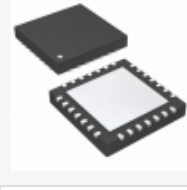
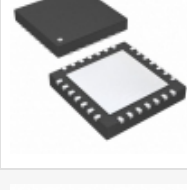
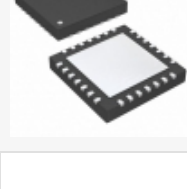
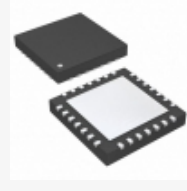
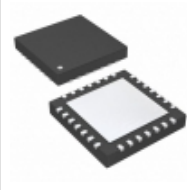
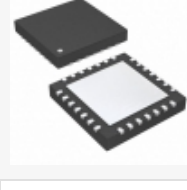
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                           |                                 |                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PIC16LF819-I/PTSL                                                         | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 8BIT 3.5KB FLASH 18DIP                                             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 35863 pcs                                                                 | Data sheet                      | <a href="#">PIC16F818, 819</a><br><a href="#">PIC16F818, 819 Rev B0 Silicon Errata</a><br><a href="#">Timer1 Module Silicon Errata Sheet</a><br><a href="#">SSP Module Errata</a><br><a href="#">PIC16F818, 819 Rev A4 Silicon Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                 | Voltage - Supply (Vcc/Vdd)      | 2 V ~ 5.5 V                                                                                                                                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18-PDIP                                                                   | Speed                           | 10MHz                                                                                                                                                                                                                                     |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC® 16F                                                                  | RAM Size                        | 256 x 8                                                                                                                                                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FLASH                                                                     | Program Memory Size             | 3.5KB (2K x 14)                                                                                                                                                                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, POR, PWM, WDT                                     | Packaging                       | Tube                                                                                                                                                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18-DIP (0.300", 7.62mm)                                                   | Oscillator Type                 | Internal                                                                                                                                                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -40°C ~ 85°C (TA)                                                         | Number of I/O                   | 16                                                                                                                                                                                                                                        |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Not Applicable                                                            | Manufacturer Standard Lead Time | 6 Weeks                                                                                                                                                                                                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                | EEPROM Size                     | 256 x 8                                                                                                                                                                                                                                   |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PIC PIC® 16F Microcontroller IC 8-Bit 10MHz 3.5KB (2K x 14) FLASH 18-PDIP | Data Converters                 | A/D 5x10b                                                                                                                                                                                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8-Bit                                                                     | Core Processor                  | PIC                                                                                                                                                                                                                                       |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I²C, SPI                                                                  | Base Part Number                | PIC16LF819                                                                                                                                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC16LF818T-I/SOTSL</a><br>Description: IC MCU 8BIT 1.75KB FLASH 18SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF819T-E/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF818T-I/SSTSL</a><br>Description: IC MCU 8BIT 1.75KB FLASH 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF819-I/SOTSL</a><br>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF819-I/P</a><br>Description: IC MCU 8BIT 3.5KB FLASH 18DIP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF819-I/SO</a><br>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF819T-I/SOG</a><br>Description: IC MCU 8BIT 3.5KB FLASH 18SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF818T-I/ML</a><br>Description: IC MCU 8BIT 1.75KB FLASH 28QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF818T-I/MLTSL</a><br>Description: IC MCU 8BIT 1.75KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF819T-I/ML</a><br>Description: IC MCU 8BIT 3.5KB FLASH 28QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC16LF819-I/SS</a><br>Description: IC MCU 8BIT 3.5KB FLASH 20SSOP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|-------------------------------------------------|----------------------------------------|----------------------------------------|-------------------------|
| Related keywords for PIC16LF819-I/PTSL          |                                        |                                        |                         |
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