

MICROCHIP

Micrel / Microchip Technology



PIC16LF1509-E/SS

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC16LF1509-E/SS                                                                                             |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 8BIT 14KB FLASH 20SSOP                                                                                |
|                     |  1.PIC16LF1509-E/SS.pdf     |
|                     |  2.PIC16LF1509-E/SS.pdf     |
|                     |  3.PIC16LF1509-E/SS.pdf     |
|                     |  4.PIC16LF1509-E/SS.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 68602 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

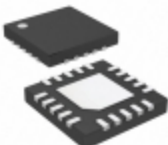
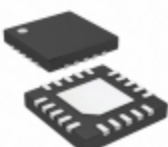
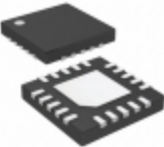
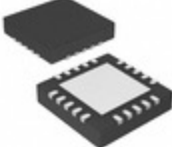
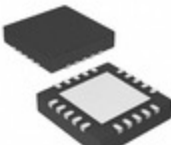
Specifications of PIC16LF1509-E/SS

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC16LF1509-E/SS                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 8BIT 14KB FLASH 20SSOP                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 68602 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DATA SHEET                       |  1.PIC16LF1509-E/SS.pdf<br> 2.PIC16LF1509-E/SS.pdf<br> 3.PIC16LF1509-E/SS.pdf<br> 4.PIC16LF1509-E/SS.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SUPPLIER DEVICE PACKAGE          | 20-SSOP                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SPEED                            | 20MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SERIES                           | PIC® XLP™ 16F                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RAM SIZE                         | 512 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 14KB (8K x 14)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 20-SSOP (0.209", 5.30mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OTHER NAMES                      | PIC16LF1509ESS                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NUMBER OF I/O                    | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 20MHz 14KB (8K x 14) FLASH 20-SSOP                                                                                                                                                                                                                                                                                                                                                                        |
| DATA CONVERTERS                  | A/D 12x10b, D/A 1x5b                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CONNECTIVITY                     | I²C, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASE PART NUMBER                 | PIC16LF1509                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Related Tags

|                                                |                                        |                                                         |
|------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| Micrel / Microchip Technology PIC16LF1509-E/SS | PIC16LF1509-E/SS Distributor           | PIC16LF1509-E/SS Supplier                               |
| PIC16LF1509-E/SS Price                         | PIC16LF1509-E/SS Pictures              | PIC16LF1509-E/SS Image                                  |
| PIC16LF1509-E/SS PDF Datasheet                 | PIC16LF1509-E/SS Download Datasheet    | PIC16LF1509-E/SS Datasheet                              |
| PIC16LF1509-E/SS Stock                         | Buy PIC16LF1509-E/SS                   | Buy Micrel / Microchip Technology PIC16LF1509-E/SS      |
| Micrel / Microchip Technology PIC16LF1509-E/SS | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor               |
| Micrel / Microchip Technology PIC16LF1509-E/SS | Microchip Technology PIC16LF1509-E/SS  | Roving Networks / Microchip Technology PIC16LF1509-E/SS |

Related Products

|                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>PIC16LF1509-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20DIP<br/>In stock: 62065 pcs<br/><b>RFQ</b></div>    |  <div><b>PIC16LF1509T-I/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20UQFN<br/>In stock: 103596 pcs<br/><b>RFQ</b></div> |
|  <div><b>PIC16LF1508T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SSOP<br/>In stock: 112704 pcs<br/><b>RFQ</b></div> |  <div><b>PIC16LF1509-E/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20UQFN<br/>In stock: 95681 pcs<br/><b>RFQ</b></div>   |
|  <div><b>PIC16LF1509-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20SOIC<br/>In stock: 79333 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC16LF1509-I/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20DIP<br/>In stock: 58761 pcs<br/><b>RFQ</b></div>     |
|  <div><b>PIC16LF1509-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20SSOP<br/>In stock: 75339 pcs<br/><b>RFQ</b></div>  |  <div><b>PIC16LF1509-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20SOIC<br/>In stock: 61554 pcs<br/><b>RFQ</b></div>   |
|  <div><b>PIC16LF1509-I/GZ</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20UQFN<br/>In stock: 107635 pcs<br/><b>RFQ</b></div> |  <div><b>PIC16LF1509-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20QFN<br/>In stock: 66809 pcs<br/><b>RFQ</b></div>    |
|  <div><b>PIC16LF1509-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 14KB FLASH 20QFN<br/>In stock: 73242 pcs<br/><b>RFQ</b></div>   |  <div><b>PIC16LF1508T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 8BIT 7KB FLASH 20SOIC<br/>In stock: 85571 pcs<br/><b>RFQ</b></div>   |