

MICROCHIP

Micrel / Microchip Technology

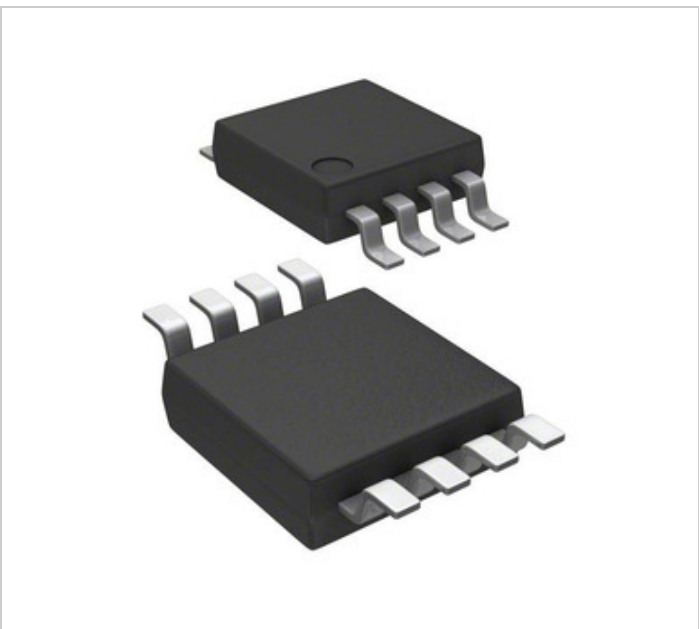


Image may be representation. See specifications for product details.

PIC12F509T-I/MS

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC12F509T-I/MS                                                                                                      |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                        |
| Product description | IC MCU 8BIT 1.5KB FLASH 8MSOP                                                                                        |
|                     |  1.PIC12F509T-I/MS.pdf              |
|                     |  2.PIC12F509T-I/MS.pdf              |
|                     |  3.PIC12F509T-I/MS.pdf              |
|                     |  4.PIC12F509T-I/MS.pdf              |
| Datasheets:         |                                                                                                                      |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Stock Condition     | 153309 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

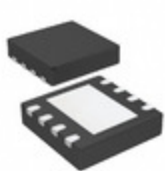
Specifications of PIC12F509T-I/MS

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC12F509T-I/MS                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC MCU 8BIT 1.5KB FLASH 8MSOP                                                                                                                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 153309 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DATA SHEET                       |  1.PIC12F509T-I/MS.pdf<br> 2.PIC12F509T-I/MS.pdf<br> 3.PIC12F509T-I/MS.pdf<br> 4.PIC12F509T-I/MS.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 8-MSOP                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SPEED                            | 4MHz                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SERIES                           | PIC® 12F                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RAM SIZE                         | 41 x 8                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 1.5KB (1K x 12)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PERIPHERALS                      | POR, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PACKAGE / CASE                   | 8-TSSOP, 8-MSOP (0.118", 3.00mm Width)                                                                                                                                                                                                                                                                                                                                                                                                           |
| OTHER NAMES                      | PIC12F509T-I/MS-ND<br>PIC12F509T-I/MSTR                                                                                                                                                                                                                                                                                                                                                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NUMBER OF I/O                    | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                                                                                                                                                                               |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | PIC PIC® 12F Microcontroller IC 8-Bit 4MHz 1.5KB (1K x 12) FLASH 8-MSOP                                                                                                                                                                                                                                                                                                                                                                          |
| DATA CONVERTERS                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CORE SIZE                        | 8-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONNECTIVITY                     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASE PART NUMBER                 | PIC12F509                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Related Tags

|                                               |                                        |                                                        |
|-----------------------------------------------|----------------------------------------|--------------------------------------------------------|
| Micrel / Microchip Technology PIC12F509T-I/MS | PIC12F509T-I/MS Distributor            | PIC12F509T-I/MS Supplier                               |
| PIC12F509T-I/MS Price                         | PIC12F509T-I/MS Pictures               | PIC12F509T-I/MS Image                                  |
| PIC12F509T-I/MS PDF Datasheet                 | PIC12F509T-I/MS Download Datasheet     | PIC12F509T-I/MS Datasheet                              |
| PIC12F509T-I/MS Stock                         | Buy PIC12F509T-I/MS                    | Buy Micrel / Microchip Technology PIC12F509T-I/MS      |
| Micrel / Microchip Technology PIC12F509T-I/MS | Micrel / Microchip Technology Supplier | Micrel / Microchip Technology Distributor              |
| Micrel / Microchip Technology PIC12F509T-I/MS | Microchip Technology PIC12F509T-I/MS   | Roving Networks / Microchip Technology PIC12F509T-I/MS |

Related Products

|                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  MICROCHIP<br><b>PIC12F509-I/SM</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8SOIJ<br>In stock: 118518 pcs<br><b>RFQ</b> | <br><b>PIC12F510-E/MC</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8DFN<br>In stock: 127262 pcs<br><b>RFQ</b>          |
|  MICROCHIP<br><b>PIC12F509-I/P</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8DIP<br>In stock: 135193 pcs<br><b>RFQ</b>            | <br><b>PIC12F509T-I/SN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8SOIC<br>In stock: 146709 pcs<br><b>RFQ</b>        |
| <br><b>PIC12F509T-I/MC</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8DFN<br>In stock: 128346 pcs<br><b>RFQ</b>           |  MICROCHIP<br><b>PIC12F510-E/P</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8DIP<br>In stock: 108446 pcs<br><b>RFQ</b> |
| <br><b>PIC12F509T-E/SN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB OTP 8SOIJ<br>In stock: 4808 pcs<br><b>RFQ</b>              | <br><b>PIC12F509-I/SN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8SOIC<br>In stock: 170362 pcs<br><b>RFQ</b>         |
| <br><b>PIC12F510-I/MC</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8DFN<br>In stock: 134918 pcs<br><b>RFQ</b>            | <br><b>PIC12F510-E/MS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8MSOP<br>In stock: 108141 pcs<br><b>RFQ</b>         |
| <br><b>PIC12F510-E/SN</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8SOIC<br>In stock: 142275 pcs<br><b>RFQ</b>           | <br><b>PIC12F509-I/MS</b><br>Manufacturers: Microchip Technology<br>Description: IC MCU 8BIT 1.5KB FLASH 8MSOP<br>In stock: 155945 pcs<br><b>RFQ</b>                  |