



Micrel / Microchip Technology

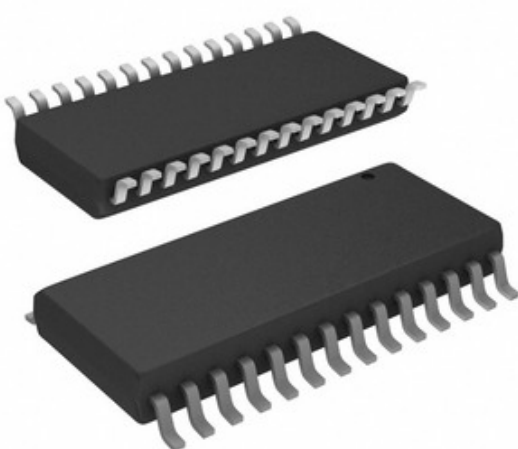


Image may be representation. See specifications for product details.

DSPIC30F3013-20I/SO

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC30F3013-20I/SO                                                                                          |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 16BIT 24KB FLASH 28SOIC                                                                               |
|                     |  1.DSPIC30F3013-20I/SO.pdf  |
|                     |  2.DSPIC30F3013-20I/SO.pdf  |
|                     |  3.DSPIC30F3013-20I/SO.pdf  |
|                     |  4.DSPIC30F3013-20I/SO.pdf  |
|                     |  5.DSPIC30F3013-20I/SO.pdf  |
|                     |  6.DSPIC30F3013-20I/SO.pdf  |
|                     |  Lead free / RoHS Compliant |
| RoHs Status         |                                                                                                              |
| Stock Condition     | 23948 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

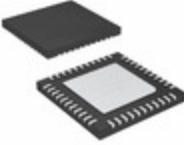
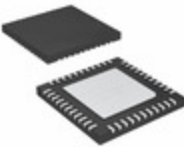
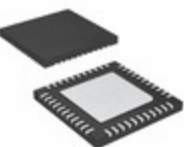
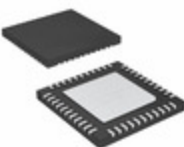
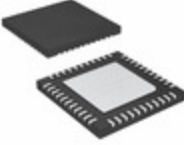
Specifications of DSPIC30F3013-20I/SO

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC30F3013-20I/SO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 16BIT 24KB FLASH 28SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 23948 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DATA SHEET                       |  1.DSPIC30F3013-20I/SO.pdf<br> 2.DSPIC30F3013-20I/SO.pdf<br> 3.DSPIC30F3013-20I/SO.pdf<br> 4.DSPIC30F3013-20I/SO.pdf<br> 5.DSPIC30F3013-20I/SO.pdf<br> 6.DSPIC30F3013-20I/SO.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SPEED                            | 20 MIPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SERIES                           | dsPIC™ 30F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RAM SIZE                         | 2K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 24KB (8K x 24)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PERIPHERALS                      | Brown-out Detect/Reset, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 28-SOIC (0.295", 7.50mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OTHER NAMES                      | DSPIC30F301320ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NUMBER OF I/O                    | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| EEPROM SIZE                      | 1K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 24KB (8K x 24) FLASH 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DATA CONVERTERS                  | A/D 10x12b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONNECTIVITY                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASE PART NUMBER                 | DSPIC30F3013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

Related Tags

|                                                   |                                          |                                                            |
|---------------------------------------------------|------------------------------------------|------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC30F3013-20I/SO | DSPIC30F3013-20I/SO Distributor          | DSPIC30F3013-20I/SO Supplier                               |
| DSPIC30F3013-20I/SO Price                         | DSPIC30F3013-20I/SO Pictures             | DSPIC30F3013-20I/SO Image                                  |
| DSPIC30F3013-20I/SO PDF Datasheet                 | DSPIC30F3013-20I/SO Download Datasheet   | DSPIC30F3013-20I/SO Datasheet                              |
| DSPIC30F3013-20I/SO Stock                         | Buy DSPIC30F3013-20I/SO                  | Buy Micrel / Microchip Technology DSPIC30F3013-20I/SO      |
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Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>DSPIC30F3013-30I/SP</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 28SDIP</div> <div>In stock: 21712 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3013T-20E/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 5104 pcs</div> <div>RFQ</div>  |
|  <div>DSPIC30F3013-30I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 28SOIC</div> <div>In stock: 21515 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3012T-30I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 3631 pcs</div> <div>RFQ</div>  |
|  <div>DSPIC30F3013-30I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 21196 pcs</div> <div>RFQ</div>  |  <div>DSPIC30F3013-20I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 17862 pcs</div> <div>RFQ</div>  |
|  <div>DSPIC30F3013-20E/SP</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 28SDIP</div> <div>In stock: 22942 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3013-20E/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 44QFN</div> <div>In stock: 25540 pcs</div> <div>RFQ</div>  |
|  <div>DSPIC30F3013T-20E/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 28SOIC</div> <div>In stock: 3702 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3013-20E/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 28SOIC</div> <div>In stock: 19939 pcs</div> <div>RFQ</div> |
|  <div>DSPIC30F3012T-30I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 18SOIC</div> <div>In stock: 3142 pcs</div> <div>RFQ</div> |  <div>DSPIC30F3013-20I/SP</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 24KB FLASH 28SDIP</div> <div>In stock: 19678 pcs</div> <div>RFQ</div> |

