

DSPIC30F3013-20I/SP



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Part Number: DSPIC30F3013-20I/SP

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 24KB FLASH 28SDIP

Data sheet:  [dsPIC30F2011/2012/3012/3013](#)  
 [dsPIC30F Ref Manual Errata](#)  
 [16-bit Embedded Control Solutions](#)  
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)  
 [DSPIC30F Flash Programming Specification](#)  
 [dsPIC30F3012,3013 Errata & Data Sheet Clarificatio](#)

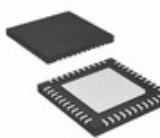
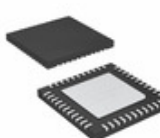
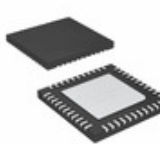
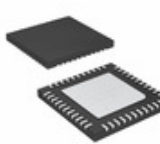
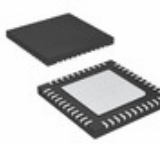
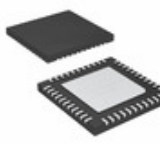
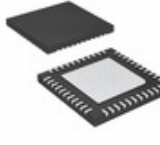
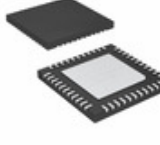
RoHs Status: Lead free / RoHS Compliant

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                  |                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DSPIC30F3013-20I/SP                       | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 24KB FLASH 28SDIP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28406 pcs                                 | Data sheet                       | <a href="#">dsPIC30F2011/2012/3012/3013</a><br><a href="#">dsPIC30F Ref Manual Errata</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dsPIC30F Section 35. Serial Peripheral Interface(S</a><br><a href="#">DSPIC30F Flash Programming Specification</a><br><a href="#">dsPIC30F3012,3013 Errata &amp; Data Sheet Clarificatio</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 28-SPDIP                                  | 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-DIP (0.300", 7.62mm)                   | Other Names                      | DSPIC30F301320ISP                                                                                                                                                                                                                                                                                                                                          |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                  | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 20                                        | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                              |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 21 Weeks                                  | 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-SPDIP                                                                                                                                                                                                                                                                           |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 10x12b                                | Core Size                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                     |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | dsPIC                                     | Connectivity                     | PC, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DSPIC30F3013                              |                                  |                                                                                                                                                                                                                                                                                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC30F3012T-20I/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013-20I/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013T-20E/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC30F3012T-20I/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 18SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC30F3014-20E/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013-30I/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for DSPIC30F3013-20I/SP

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| Micrel / Microchip Technology DSPIC30F3013-20I/SP | DSPIC30F3013-20I/SP distributor                   | DSPIC30F3013-20I/SP supplier             | DSPIC30F3013-20I/SP price                                  |
|                                                   | DSPIC30F3013-20I/SP download datasheet            | DSPIC30F3013-20I/SP datasheet            | DSPIC30F3013-20I/SP stock                                  |
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