

DSPIC30F3010-20I/SP



Part Number: [DSPIC30F3010-20I/SP](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 24KB FLASH 28SDIP

Data sheet:  [16-bit Embedded Control Solutions](#)  
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)  
 [DSPIC30F3010, 3011](#)  
 [DSPIC30F Flash Programming Specification](#)  
 [dsPIC30F3010,3011 Errata & Data Sheet Clarificatio](#)

RoHs Status: Lead free / RoHS Compliant

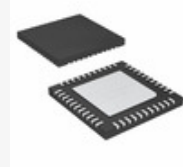
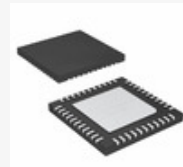
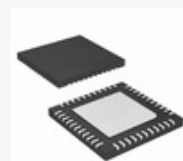
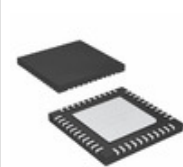
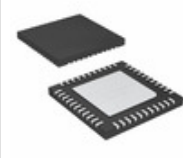
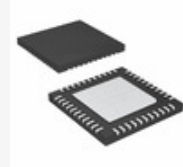
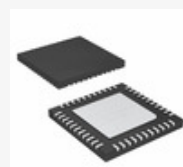
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |                                  |                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DSPIC30F3010-20I/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 27550 pcs                                                     | Data sheet                       | <a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dsPIC30F Section 35. Serial Peripheral Interface(S</a><br><a href="#">DSPIC30F3010, 3011</a><br><a href="#">DSPIC30F Flash Programming Specification</a><br><a href="#">dsPIC30F3010,3011 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                         | 1K x 8                                                                                                                                                                                                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                         | Program Memory Size              | 24KB (8K x 24)                                                                                                                                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT | Packaging                        | Tube                                                                                                                                                                                                                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 28-DIP (0.300", 7.62mm)                                       | Other Names                      | DSPIC30F301020ISP                                                                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 23 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 6x10b                                                     | Core Size                        | 16-Bit                                                                                                                                                                                                                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | dsPIC                                                         | Connectivity                     | I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DSPIC30F3010                                                  |                                  |                                                                                                                                                                                                                                                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 27550 pieces of Micrel / Microchip Technology DSPIC30F3010-20I/SP in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                               |                                  |                                                                                                                                                                                                                                                                                                     |

| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC30F3010-20E/SP</a><br>Description: IC MCU 16BIT 24KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3010T-20I/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3010-20E/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3010-30I/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F2023-20E/PT</a><br>Description: IC MCU 16BIT 12KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC30F2023T-30I/PT</a><br>Description: IC MCU 16BIT 12KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3011-20E/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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|---------------------------------------------------|---------------------------------------------------|------------------------------------------|------------------------------------------------------------|
| Related keywords for <b>DSPIC30F3010-20I/SP</b>   |                                                   |                                          |                                                            |
| Micrel / Microchip Technology DSPIC30F3010-20I/SP | DSPIC30F3010-20I/SP distributor                   | DSPIC30F3010-20I/SP supplier             | DSPIC30F3010-20I/SP price                                  |
|                                                   | DSPIC30F3010-20I/SP download datasheet            | DSPIC30F3010-20I/SP datasheet            | DSPIC30F3010-20I/SP stock                                  |
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