

DSPIC30F2020-20E/SO



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Part Number: DSPIC30F2020-20E/SO

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 12KB FLASH 28SOIC

Data sheet:  [dsPIC30F1010/202x Datasheet](#)  
 [16-bit Embedded Control Solutions](#)  
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)  
 [DSPIC30F Flash Programming Specification](#)  
 [dsPIC30F SMPS Flash Prog Spec](#)  
 [dsPIC30F1010, 202x Errata & Datasheet](#)

[Clarificatio](#)

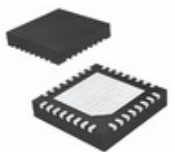
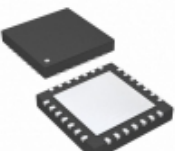
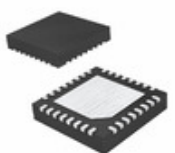
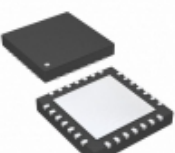
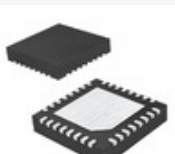
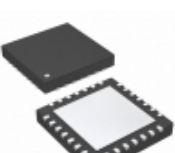
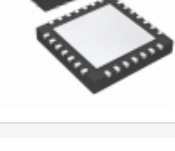
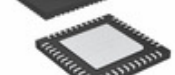
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                 |                                 |                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                  | DSPIC30F2020-20E/SO                                                             | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 12KB FLASH 28SOIC                                                  | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 19804 pcs                                                                       | Data sheet                      | <a href="#">dsPIC30F1010/202x Datasheet</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="#">dsPIC30F SMPS Flash Prog Spec</a><br><a href="#">dsPIC30F1010, 202x Errata &amp; Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - Supply (Vcc/Vdd)      | <a href="#">Clarificatio</a><br>3 V ~ 5.5 V                                                                                                                                                                                                                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                      | 28-SOIC                                                                         | Speed                           | 20 MIPS                                                                                                                                                                                                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                       | dsPIC™ 30F                                                                      | RAM Size                        | 512 x 8                                                                                                                                                                                                                                                                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                           | Program Memory Size             | 12KB (4K x 24)                                                                                                                                                                                                                                                                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, POR, PWM, WDT                                           | Packaging                       | Tube                                                                                                                                                                                                                                                                                                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                               | 28-SOIC (0.295", 7.50mm Width)                                                  | Oscillator Type                 | Internal                                                                                                                                                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 125°C (TA)                                                              | Number of I/O                   | 21                                                                                                                                                                                                                                                                                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                             | 1 (Unlimited)                                                                   | Manufacturer Standard Lead Time | 12 Weeks                                                                                                                                                                                                                                                                                                                                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                      | EEPROM Size                     | -                                                                                                                                                                                                                                                                                                                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                         | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 12KB (4K x 24) FLASH 28-SOIC | Data Converters                 | A/D 8x10b                                                                                                                                                                                                                                                                                                                                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                          | Core Processor                  | dsPIC                                                                                                                                                                                                                                                                                                                                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                 | I²C, IrDA, LINbus, SPI, UART/USART                                              | Base Part Number                | DSPIC30F2020                                                                                                                                                                                                                                                                                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 19804 pieces of Micrel / Microchip Technology DSPIC30F2020-20E/SO 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: info@Components-World.com |                                                                                 |                                 |                                                                                                                                                                                                                                                                                                                                                  |

| RELATED PRODUCTS                                                                   |                                                                                             |                                                              |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">DSPIC30F2020T-30I/MM</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012T-20I/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2020-20E/SP</a><br>Description: IC MCU 16BIT 12KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2020-20E/MM</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012-30I/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2020-30I/MMB32</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012T-20E/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012T-20I/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012-30I/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2020T-30I/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012T-30I/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2023-20E/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2020-30I/SP</a><br>Description: IC MCU 16BIT 12KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012T-20E/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012T-30I/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2023-20E/PT</a><br>Description: IC MCU 16BIT 12KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2023-30I/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 44QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2012-30I/SP</a><br>Description: IC MCU 16BIT 12KB FLASH 28SDIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2020-30I/MM</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F2020-30I/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |

Related keywords for DSPIC30F2020-20E/SO

|                                                   |                                                   |                                          |                                                            |
|---------------------------------------------------|---------------------------------------------------|------------------------------------------|------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC30F2020-20E/SO | DSPIC30F2020-20E/SO distributor                   | DSPIC30F2020-20E/SO supplier             | DSPIC30F2020-20E/SO price                                  |
|                                                   | DSPIC30F2020-20E/SO download datasheet            | DSPIC30F2020-20E/SO datasheet            | DSPIC30F2020-20E/SO stock                                  |
| buy DSPIC30F2020-20E/SO                           | Micrel / Microchip Technology DSPIC30F2020-20E/SO | Microchip Technology DSPIC30F2020-20E/SO | Roving Networks / Microchip Technology DSPIC30F2020-20E/SO |

