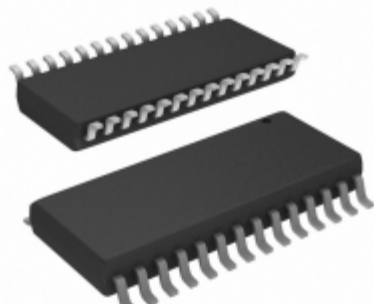


DSPIC30F3013T-20E/SO



Images are for reference only.  
See Product Specifications for product details.  
Buy DSPIC30F3013T-20E/SO with confidence from  
Component-World.HK, 1 Year Warranty



Part Number: DSPIC30F3013T-20E/SO

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 24KB FLASH 28SOIC

Data sheet:  [dsPIC30F2011/2012/3012/3013](#)  
 [dsPIC30F Ref Manual Errata](#)  
 [16-bit Embedded Control Solutions](#)  
 [dsPIC30F3012,3013 Errata & Data Sheet Clarificatio](#)  
 [DSPIC30F Section35 SPI](#)  
 [DSPIC30F Flash Prog. Spec.](#)

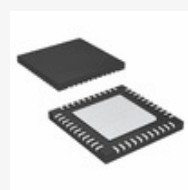
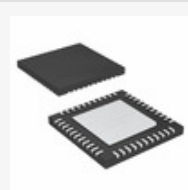
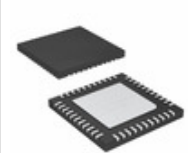
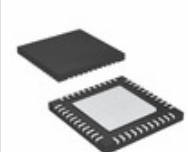
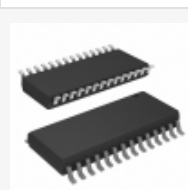
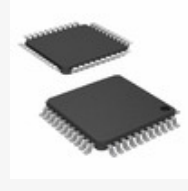
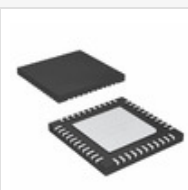
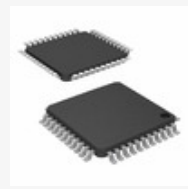
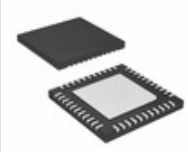
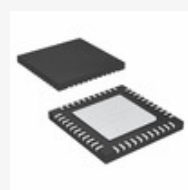
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                |                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DSPIC30F3013T-20E/SO                      | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 24KB FLASH 28SOIC            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5832 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="#">dsPIC30F3012,3013 Errata &amp; Data Sheet Clarificatio</a><br><a href="#">DSPIC30F Section35 SPI</a><br><a href="#">DSPIC30F Flash Prog. Spec.</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | 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                      | Tape & Reel (TR)                                                                                                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 28-SOIC (0.295", 7.50mm Width)            | Oscillator Type                | Internal                                                                                                                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 125°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                              |                                |                                                                                                                                                                                                                                                                                                                  |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC30F3013-20I/SP</a><br>Description: IC MCU 16BIT 24KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013T-30I/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> |
|  | Part#: <a href="#">DSPIC30F3013T-20I/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013-20E/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3014-20I/P</a><br>Description: IC MCU 16BIT 24KB FLASH 40DIP    | 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> |
|  | Part#: <a href="#">DSPIC30F3013-20E/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013T-20I/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013-20E/SP</a><br>Description: IC MCU 16BIT 24KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3014-20E/P</a><br>Description: IC MCU 16BIT 24KB FLASH 40DIP    | 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-20I/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3014-20E/PT</a><br>Description: IC MCU 16BIT 24KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013-30I/SP</a><br>Description: IC MCU 16BIT 24KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3013T-30I/SO</a><br>Description: IC MCU 16BIT 24KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3014-20I/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3014-20I/PT</a><br>Description: IC MCU 16BIT 24KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | 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/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for DSPIC30F3013T-20E/SO

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