

DSPIC30F5011T-30I/PTG



**Part Number:** [DSPIC30F5011T-30I/PTG](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 16BIT 66KB FLASH 64TQFP

**Data sheet:**  [dsPIC30F Ref Manual Errata](#)  
 [16-bit Embedded Control Solutions](#)  
 [DSPIC30F Section35 SPI](#)  
 [DSPIC30F Flash Prog. Spec.](#)  
 [DSPIC30F5011, 5013](#)  
 [dsPIC30F5011,5013 Errata & Data Sheet Clarificatio](#)

**RoHs Status:** Contains lead / RoHS non-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DSPIC30F5011T-30I/PTG                                                                    | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 66KB FLASH 64TQFP                                                           | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                                                                                                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4885 pcs                                                                                 | Data sheet                       | <a href="#">dsPIC30F Ref Manual Errata</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">DSPIC30F Section35 SPI</a><br><a href="#">DSPIC30F Flash Prog. Spec.</a><br><a href="#">DSPIC30F5011, 5013</a><br><a href="#">dsPIC30F5011,5013 Errata &amp; Data Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                | Voltage - Supply (Vcc/Vdd)       | <a href="#">Clarificatio</a><br>2.5 V ~ 5.5 V                                                                                                                                                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-TQFP (10x10)                                                                          | Speed                            | 30 MIPs                                                                                                                                                                                                                                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | dsPIC™ 30F                                                                               | RAM Size                         | 4K x 8                                                                                                                                                                                                                                                                                     |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                    | Program Memory Size              | 66KB (22K x 24)                                                                                                                                                                                                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AC'97, Brown-out Detect/Reset, I <sup>2</sup> S, LVD, POR, PWM, WDT                      | Packaging                        | Tape & Reel (TR)                                                                                                                                                                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 64-TQFP                                                                                  | Other Names                      | DSPIC30F5011T30I<br>DSPIC30F5011T30IPTG                                                                                                                                                                                                                                                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                                                                 | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                          |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 52                                                                                       | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Contains lead / RoHS non-compliant                                                       | EEPROM Size                      | 1K x 8                                                                                                                                                                                                                                                                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 66KB (22K x 24) FLASH 64-TQFP (10x10) | Data Converters                  | A/D 16x12b                                                                                                                                                                                                                                                                                 |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                                   | Core Processor                   | dsPIC                                                                                                                                                                                                                                                                                      |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CANbus, I <sup>2</sup> C, SPI, UART/USART                                                | Base Part Number                 | DSPIC30F5011                                                                                                                                                                                                                                                                               |
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| RELATED PRODUCTS                                                                   |                                                                                             |                                                              |                |
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|  | Part#: <a href="#">DSPIC30F5015-20E/PT</a><br>Description: IC MCU 16BIT 66KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F5013T-30I/PT</a><br>Description: IC MCU 16BIT 66KB FLASH 80TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F5011T-20I/PT</a><br>Description: IC MCU 16BIT 66KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F5013T-20I/PTG</a><br>Description: IC MCU 16BIT 66KB FLASH 80TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4013T-30I/PT</a><br>Description: IC MCU 16BIT 48KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for DSPIC30F5011T-30I/PTG

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