

DSPIC30F6011A-20I/PT



**Part Number:** [DSPIC30F6011A-20I/PT](#)

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

**Description:** IC MCU 16BIT 132KB FLASH 64TQFP

**Data sheet:**  [dsPIC30F6011A-14A Errata & Data Sheet Clarificatio](#)  
 [16-bit Embedded Control Solutions](#)  
 [DSPIC30F Flash Prog. Spec.](#)  
 [DSPIC30F6011A-6014A Datasheet](#)

**RoHs Status:** Contains lead / RoHS non-compliant

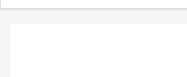
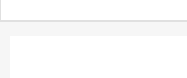
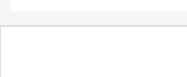
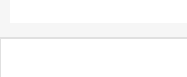
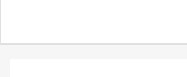
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                           |                                  |                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DSPIC30F6011A-20I/PT                                                                      | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 132KB FLASH 64TQFP                                                           | Lead Free Status / RoHS Status   | Contains lead / RoHS non-compliant                                                                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5570 pcs                                                                                  | Data sheet                       | <a href="#">dsPIC30F6011A-14A Errata &amp; Data Sheet</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">DSPIC30F Flash Prog. Spec.</a><br><a href="#">DSPIC30F6011A-6014A Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                                 | Voltage - Supply (Vcc/Vdd)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64-TQFP (10x10)                                                                           | Speed                            | 20 MIPS                                                                                                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | dsPIC™ 30F                                                                                | RAM Size                         | 6K x 8                                                                                                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                                                     | Program Memory Size              | 132KB (44K x 24)                                                                                                                                                                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, LVD, POR, PWM, WDT                                                | Packaging                        | Tray                                                                                                                                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64-TQFP                                                                                   | Other Names                      | DSPIC30F6011A20IP                                                                                                                                                                                             |
| 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                      | 2K x 8                                                                                                                                                                                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 132KB (44K 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                 | DSPIC30F6011A                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                     |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">DSPIC30F6011T-20I/PF</a><br>Description: IC MCU 16BIT 132KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">DSPIC30F6012-20E/PF</a><br>Description: IC MCU 16BIT 144KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F6011A-20E/PF</a><br>Description: IC MCU 16BIT 132KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F6011A-20E/PT</a><br>Description: IC MCU 16BIT 132KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F6011AT-30I/PF</a><br>Description: IC MCU 16BIT 132KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F6011-20E/PF</a><br>Description: IC MCU 16BIT 132KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F6010T-30I/PF</a><br>Description: IC MCU 16BIT 144KB FLASH 80TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">DSPIC30F6011T-30I/PF</a><br>Description: IC MCU 16BIT 132KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <a href="#">RFQ</a> |
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Related keywords for DSPIC30F6011A-20I/PT

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