

DSPIC30F4011-30I/PT



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Part Number: DSPIC30F4011-30I/PT

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 48KB FLASH 44TQFP

Data sheet:  [DSPIC30F4011, 4012 Silicon Errata](#)  
 [dsPIC30F4011,4012 Errata & Data Sheet Clarificatio](#)  
 [DSPIC30F Programmer Reference Errata Sheet](#)  
 [dsPIC30F Ref Manual Errata](#)  
 [16-bit Embedded Control Solutions](#)  
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)  
 [DSPIC30F4011, 4012 Data Sheet](#)

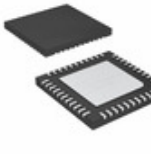
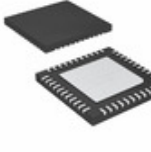
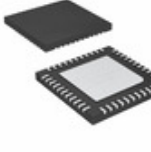
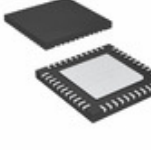
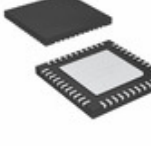
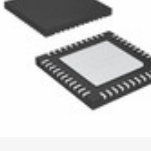
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DSPIC30F4011-30I/PT                                           | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                                                                                                                                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 48KB FLASH 44TQFP                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 21972 pcs                                                     | Data sheet                       | <a href="#">DSPIC30F4011, 4012 Silicon Errata</a><br><a href="#">dsPIC30F4011,4012 Errata &amp; Data Sheet Clarificatio</a><br><a href="#">DSPIC30F Programmer Reference Errata Sheet</a><br><a href="#">dsPIC30F Ref Manual Errata</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dsPIC30F Section 35. Serial Peripheral Interface(S</a><br><a href="#">DSPIC30F4011, 4012 Data Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                     | Voltage - Supply (Vcc/Vdd)       | 2.5 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 44-TQFP (10x10)                                               | Speed                            | 30 MIPs                                                                                                                                                                                                                                                                                                                                                                                                             |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | dsPIC™ 30F                                                    | RAM Size                         | 2K x 8                                                                                                                                                                                                                                                                                                                                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                                         | Program Memory Size              | 48KB (16K x 24)                                                                                                                                                                                                                                                                                                                                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT | Packaging                        | Tray                                                                                                                                                                                                                                                                                                                                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 44-TQFP                                                       | Other Names                      | DSPIC30F401130IPT                                                                                                                                                                                                                                                                                                                                                                                                   |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                                      | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                   |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 30                                                            | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                                                                                       |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9 Weeks                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1K x 8                                                        | Detailed Description             | dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 48KB (16K x 24) FLASH 44-TQFP (10x10)                                                                                                                                                                                                                                                                                                                            |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 9x10b                                                     | Core Size                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | dsPIC                                                         | Connectivity                     | CANbus, I²C, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DSPIC30F4011                                                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC30F4011-20E/PT</a><br>Description: IC MCU 16BIT 48KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011T-30I/ML</a><br>Description: IC MCU 16BIT 48KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011-20I/PT</a><br>Description: IC MCU 16BIT 48KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC30F4012-20E/SO</a><br>Description: IC MCU 16BIT 48KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011-20E/ML</a><br>Description: IC MCU 16BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011-30I/P</a><br>Description: IC MCU 16BIT 48KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011-30I/ML</a><br>Description: IC MCU 16BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4012-20E/ML</a><br>Description: IC MCU 16BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011T-20I/ML</a><br>Description: IC MCU 16BIT 48KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3014T-30I/ML</a><br>Description: IC MCU 16BIT 24KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4012-20I/ML</a><br>Description: IC MCU 16BIT 48KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F3014T-30I/PT</a><br>Description: IC MCU 16BIT 24KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011T-30I/PT</a><br>Description: IC MCU 16BIT 48KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4012-20E/SP</a><br>Description: IC MCU 16BIT 48KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011-20E/P</a><br>Description: IC MCU 16BIT 48KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011T-20E/ML</a><br>Description: IC MCU 16BIT 48KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC30F4011-20I/P</a><br>Description: IC MCU 16BIT 48KB FLASH 40DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for DSPIC30F4011-30I/PT

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