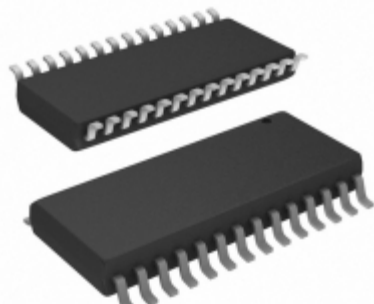


DSPIC33FJ12MC202T-E/SO





Part Number:

DSPIC33FJ12MC202T-E/SO

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 12KB FLASH 28SOIC

Data sheet:

 [DSPIC33F, PIC24H Flash Programming](#)

 [dsPIC33FJ12MC20\(1,2\) Errata & Data Sheet Clarification](#)

 [DSPIC33FJ12MC201,202](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

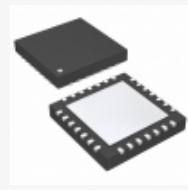
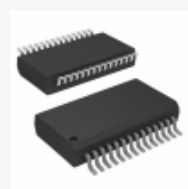
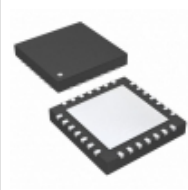
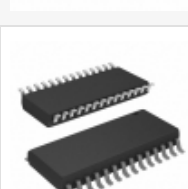
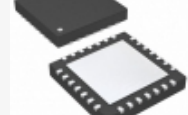
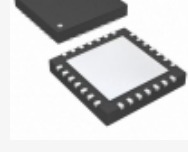
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy DSPIC33FJ12MC202T-E/SO with confidence from  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                 |                                 |                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33FJ12MC202T-E/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 29214 pcs                                                                       | Data sheet                      | <a href="#">DSPIC33F, PIC24H Flash Programming</a><br><a href="#">dsPIC33FJ12MC20(1,2) Errata &amp; Data Sheet Clarification</a><br><a href="#">DSPIC33FJ12MC201,202</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 3.6 V                                                                                                                                                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 28-SOIC                                                                         | Speed                           | 40 MIPs                                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | dsPIC™ 33F                                                                      | RAM Size                        | 1K x 8                                                                                                                                                                   |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                           | Program Memory Size             | 12KB (12K x 8)                                                                                                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, Motor Control PWM, QEI, 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                   | 21                                                                                                                                                                       |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 (Unlimited)                                                                   | Manufacturer Standard Lead Time | 5 Weeks                                                                                                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                      | EEPROM Size                     | -                                                                                                                                                                        |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 40 MIPs 12KB (12K x 8) FLASH 28-SOIC | Data Converters                 | A/D 6x10b/12b                                                                                                                                                            |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16-Bit                                                                          | Core Processor                  | dsPIC                                                                                                                                                                    |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC, IrDA, SPI, UART/USART                                                       | Base Part Number                | DSPIC33FJ12MC202                                                                                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33FJ12MC202-E/SP</a><br>Description: IC MCU 16BIT 12KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202-I/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP101-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 18SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP101-I/P</a><br>Description: IC MCU 16BIT 16KB FLASH 18DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202-E/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP101-E/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 18SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP101T-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 18SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202-E/SS</a><br>Description: IC MCU 16BIT 12KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202-E/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP101-I/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202-I/SP</a><br>Description: IC MCU 16BIT 12KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP101-E/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 20SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202T-I/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP101-E/P</a><br>Description: IC MCU 16BIT 16KB FLASH 18DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC201T-I/SS</a><br>Description: IC MCU 16BIT 12KB FLASH 20SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202T-I/SS</a><br>Description: IC MCU 16BIT 12KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202-I/SO</a><br>Description: IC MCU 16BIT 12KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202T-I/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202-I/SS</a><br>Description: IC MCU 16BIT 12KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ12MC202T-E/ML</a><br>Description: IC MCU 16BIT 12KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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