

DSPIC33FJ16MC101-I/SS



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**Part Number:** [DSPIC33FJ16MC101-I/SS](#)

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

**Description:** IC MCU 16BIT 16KB FLASH 20SSOP

**Data sheet:**  [16-bit Embedded Control Solutions](#)  
 [dSPIC33FJxx\(GP,MC\)10x](#)  
 [dsPIC33F Programming Spec](#)  
 [dsPICFJ16\(GP,MC\)101,102 Errata & Datasheet Clarifi](#)

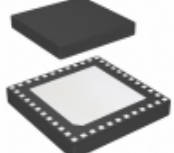
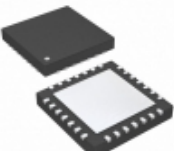
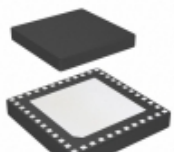
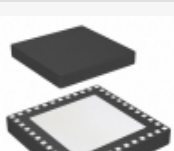
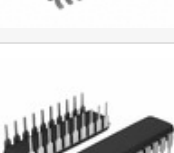
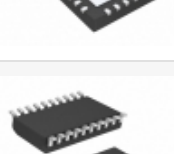
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |                                  |                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33FJ16MC101-I/SS                                    | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 16KB FLASH 20SSOP                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 45593 pcs                                                | Data sheet                       | <a href="#">16-bit Embedded Control Solutions</a><br><a href="#">dSPIC33FJxx(GP,MC)10x</a><br><a href="#">dsPIC33F Programming Spec</a><br><a href="#">dsPICFJ16(GP,MC)101,102 Errata &amp; Datasheet Clarifi</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                | Voltage - Supply (Vcc/Vdd)       | 3 V ~ 3.6 V                                                                                                                                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20-SSOP                                                  | Speed                            | 16 MIPs                                                                                                                                                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | dsPIC™ 33F                                               | RAM Size                         | 1K x 8                                                                                                                                                                                                            |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                    | Program Memory Size              | 16KB (16K x 8)                                                                                                                                                                                                    |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, Motor Control PWM, POR, PWM, WDT | Packaging                        | Tube                                                                                                                                                                                                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20-SSOP (0.209", 5.30mm Width)                           | Other Names                      | DSPIC33FJ16MC101ISS                                                                                                                                                                                               |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Internal                                                 | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15                                                       | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                     |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12 Weeks                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                        |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                        | Detailed Description             | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 16 MIPs 16KB (16K x 8) FLASH 20-SSOP                                                                                                                                   |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 4x10b                                                | Core Size                        | 16-Bit                                                                                                                                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dsPIC                                                    | Connectivity                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DSPIC33FJ16MC101                                         |                                  |                                                                                                                                                                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33FJ16MC102-E/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16MC101-E/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 20SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS504T-I/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16MC102-E/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 28SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS504T-I/TL</a><br>Description: IC MCU 16BIT 16KB FLASH 44VTLA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16MC102-I/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS504T-50I/TL</a><br>Description: IC MCU 16BIT 16KB FLASH 44VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16MC102-I/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16MC101T-I/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 20SSOP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS504T-E/TL</a><br>Description: IC MCU 16BIT 16KB FLASH 44VTLA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16MC101-E/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 20SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33FJ16MC102-E/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16MC102-E/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for DSPIC33FJ16MC101-I/SS

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