

DSPIC33FJ16MC101-E/SS



Part Number: [DSPIC33FJ16MC101-E/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

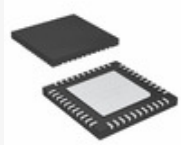
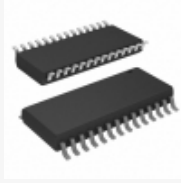
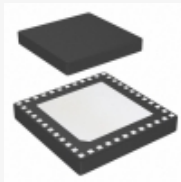
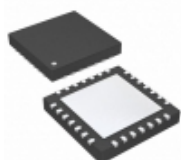
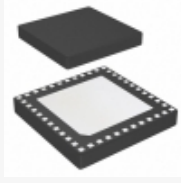
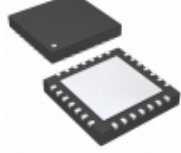
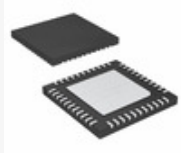
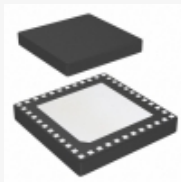
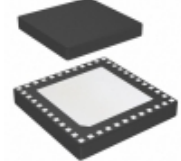
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                 |                                 |                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33FJ16MC101-E/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40832 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</a><br><a href="#">Clarifi</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - Supply (Vcc/Vdd)      | 3V ~ 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)                                                  | Oscillator Type                 | Internal                                                                                                                                                                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°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="#">DSPIC33FJ16MC101-I/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 20SSOP    | 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> |
|  | Part#: <a href="#">DSPIC33FJ16GS504T-50I/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS504T-50I/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 44QFN  | 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/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | 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="#">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="#">DSPIC33FJ16MC101-I/P</a><br>Description: IC MCU 16BIT 16KB FLASH 20DIP      | 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="#">DSPIC33FJ16MC102-E/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS504-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> |
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|--------------------------------------------|------------------------------------------|--------------------------------------------|----------------------------------------|
| Related keywords for DSPIC33FJ16MC101-E/SS |                                          |                                            |                                        |
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