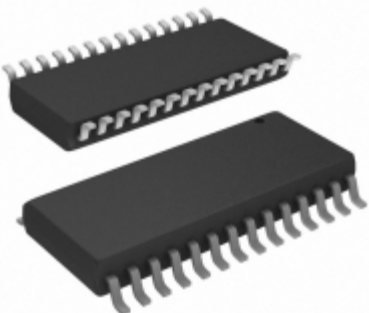


DSPIC33FJ16GP102-E/SO



Images are for reference only.  
See Product Specifications for product details.  
Buy DSPIC33FJ16GP102-E/SO with confidence from  
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Part Number: DSPIC33FJ16GP102-E/SO

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 16KB FLASH 28SOIC

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

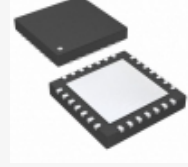
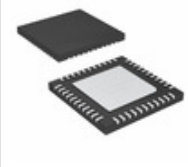
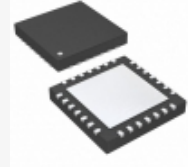
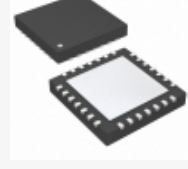
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           |                                |                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33FJ16GP102-E/SO                     | Manufacturer                   | Micrel / Microchip Technology                                                                                                                                                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 16KB FLASH 28SOIC            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                            | 4621 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                                                                                                                                                                                                                                                                                                                                                                                                                       | 28-SOIC                                   | 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, POR, PWM, WDT     | Packaging                      | Tube                                                                                                                                                                                                              |
| 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)                             | 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 28-SOIC                                                                                                                                   |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 6x10b                                 | Core Size                      | 16-Bit                                                                                                                                                                                                            |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                | dsPIC                                     | Connectivity                   | IPC, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | DSPIC33FJ16GP102                          |                                |                                                                                                                                                                                                                   |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | 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="#">DSPIC33FJ16GP101T-I/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/SS</a><br>Description: IC MCU 16BIT 12KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102T-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102-E/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP304-E/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102T-I/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102-I/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 28SSOP  | 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="#">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="#">DSPIC33FJ16GP102T-I/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN  | 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="#">DSPIC33FJ16GP102-E/SS</a><br>Description: IC MCU 16BIT 16KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102-E/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102-I/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GP102-I/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN   | 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> |
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