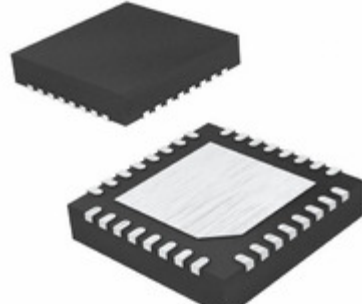


DSPIC33FJ16GS402T-50I/MM





Part Number:

DSPIC33FJ16GS402T-50I/MM

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 16KB FLASH 28QFN

Data sheet:

 [dsPIC33FJ\(0,1\)6GSx01.x02, x04 Family Errata & Data](#)

 [dsPIC33FJx6GS101.x02.x04 Errata & Datasheet](#)

 [C&Abit Embedded Control Solutions](#)

 [dsPIC33FJ06GS101/X02, dsPIC33FJ16GSX02/X04](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

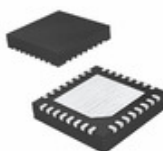
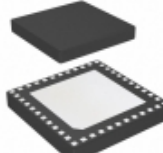
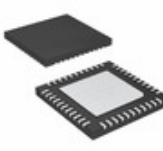
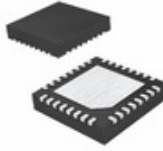
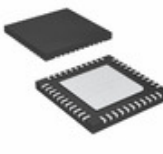
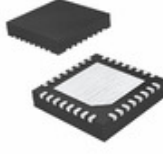
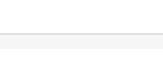
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy DSPIC33FJ16GS402T-50I/MM with confidence from  
Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                        |                                 |                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DSPIC33FJ16GS402T-50I/MM                                                               | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                                                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IC MCU 16BIT 16KB FLASH 28QFN                                                          | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                                                                                                                       |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 32076 pcs                                                                              | Data sheet                      | <a href="#">dsPIC33FJ(0,1)6GSx01.x02, x04 Family Errata &amp; Data</a><br><a href="#">dsPIC33FJx6GS101.x02.x04 Errata &amp; Datasheet</a><br><a href="#">C&amp;Abit Embedded Control Solutions</a><br><a href="#">dsPIC33FJ06GS101/X02, dsPIC33FJ16GSX02/X04</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <a href="#">Integrated Circuits (ICs)</a>                                              | Voltage - Supply (Vcc/Vdd)      | 3 V ~ 3.6 V                                                                                                                                                                                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28-QFN-S (6x6)                                                                         | Speed                           | 50 MIPs                                                                                                                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dsPIC™ 33F                                                                             | RAM Size                        | 2K x 8                                                                                                                                                                                                                                                           |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | FLASH                                                                                  | Program Memory Size             | 16KB (16K x 8)                                                                                                                                                                                                                                                   |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Brown-out Detect/Reset, POR, PWM, WDT                                                  | Packaging                       | Tape & Reel (TR)                                                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 28-VQFN Exposed Pad                                                                    | Oscillator Type                 | Internal                                                                                                                                                                                                                                                         |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -40°C ~ 85°C (TA)                                                                      | Number of I/O                   | 21                                                                                                                                                                                                                                                               |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 (Unlimited)                                                                          | Manufacturer Standard Lead Time | 11 Weeks                                                                                                                                                                                                                                                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead free / RoHS Compliant                                                             | EEPROM Size                     | -                                                                                                                                                                                                                                                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 50 MIPs 16KB (16K x 8) FLASH 28-QFN-S (6x6) | Data Converters                 | A/D 8x10b                                                                                                                                                                                                                                                        |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16-Bit                                                                                 | Core Processor                  | dsPIC                                                                                                                                                                                                                                                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | I²C, IrDA, LINbus, SPI, UART/USART                                                     | Base Part Number                | DSPIC33FJ16GS402                                                                                                                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33FJ16GS402-I/MM</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS404-E/TL</a><br>Description: IC MCU 16BIT 16KB FLASH 44VTLA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS404-50I/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS404-H/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 44QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402T-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-H/MM</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402T-50I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS404-E/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 44QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402T-I/MM</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-E/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-I/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-H/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-E/MM</a><br>Description: IC MCU 16BIT 16KB FLASH 28QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-I/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS404-50I/ML</a><br>Description: IC MCU 16BIT 16KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-E/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS404-E/PT</a><br>Description: IC MCU 16BIT 16KB FLASH 44TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-H/SO</a><br>Description: IC MCU 16BIT 16KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS402-50I/SP</a><br>Description: IC MCU 16BIT 16KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33FJ16GS404-50I/TL</a><br>Description: IC MCU 16BIT 16KB FLASH 44VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                                           |                                                           |                                               |                                                                    |
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