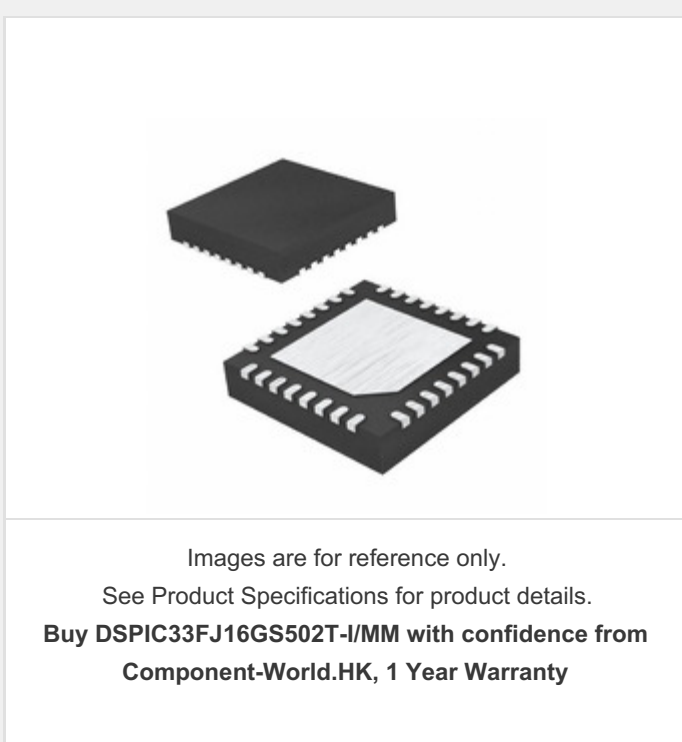


## DSPIC33FJ16GS502T-I/MM



**Part Number:** [DSPIC33FJ16GS502T-I/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](#)
  - [16-bit Embedded Control Solutions](#)
  - [dsPIC33FJ06GS101/X02, dsPIC33FJ16GSX02/X04](#)

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

**Ship From:** Hong Kong

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

[Request For Quotation](#)

PRODUCT PARAMETER	
<b>Part Number</b>	DSPIC33FJ16GS502T-I/MM
<b>Description</b>	IC MCU 16BIT 16KB FLASH 28QFN
<b>Quantity Available</b>	22585 pcs
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Supplier Device Package</b>	28-QFN-S (6x6)
<b>Series</b>	dsPIC™ 33F
<b>Program Memory Type</b>	FLASH
<b>Peripherals</b>	Brown-out Detect/Reset, POR, PWM, WDT
<b>Package / Case</b>	28-VQFN Exposed Pad
<b>Oscillator Type</b>	Internal
<b>Number of I/O</b>	21
<b>Manufacturer Standard Lead Time</b>	12 Weeks
<b>EEPROM Size</b>	-
<b>Data Converters</b>	A/D 16x10b, D/A 4x10b
<b>Core Processor</b>	dsPIC
<b>Manufacturer</b>	<a href="#">Micrel / Microchip Technology</a>
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	<a href="#">dsPIC33FJ(0,1)6GSx01,x02, x04 Family Errata &amp; Data</a> <a href="#">dsPIC33FJx6GS101,x02,x04 Errata &amp; Datasheet Clarif</a> <a href="#">16-bit Embedded Control Solutions</a> <a href="#">dsPIC33FJ06GS101/X02, dsPIC33FJ16GSX02/X04</a>
<b>Voltage - Supply (Vcc/Vdd)</b>	3 V ~ 3.6 V
<b>Speed</b>	40 MIPs
<b>RAM Size</b>	2K x 8
<b>Program Memory Size</b>	16KB (16K x 8)
<b>Packaging</b>	Original-Reel®
<b>Other Names</b>	DSPIC33FJ16GS502T-I/MMDKR
<b>Operating Temperature</b>	-40°C ~ 85°C (TA)
<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 40 MIPs 16KB (16K x 8) FLASH 28-QFN-S (6x6)
<b>Core Size</b>	16-Bit
<b>Connectivity</b>	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART

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### RELATED PRODUCTS

	<b>Part#:</b> <a href="#">DSPIC33FJ16GS504-H/ML</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 44QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502-E/SP</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28SDIP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502T-50I/MM</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502T-E/MX</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502-I/SO</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28SOIC	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502T-50I/SO</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28SOIC	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS504-50I/TL</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 44VTLA	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS504-50I/PT</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 44TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502-I/MM</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS504-H/PT</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 44TQFP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502-I/SP</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28SDIP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502-H/SP</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28SDIP	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS504-50I/ML</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 44QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS504-E/TL</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 44VTLA	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">DSPIC33FJ16GS502-H/SO</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 28SOIC	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">DSPIC33FJ16GS504-E/ML</a> <b>Description:</b> IC MCU 16BIT 16KB FLASH 44QFN	<b>Manufacturers:</b> <a href="#">Micrel / Microchip Technology</a>	<a href="#">RFQ</a>
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