

DSPIC33EP512MC502-H/SO





Part Number: [DSPIC33EP512MC502-H/SO](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 512KB FLASH 28SOIC

Data sheet:  [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x](#)
 [16-bit Embedded Control Solutions](#)
 [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Errata](#)

RoHs Status: Lead free / RoHS Compliant

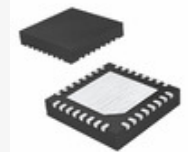
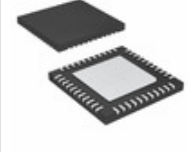
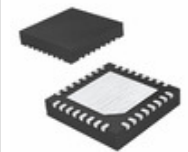
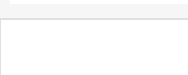
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Request For Quotation

PRODUCT PARAMETER			
Part Number	DSPIC33EP512MC502-H/SO	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 28SOIC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5337 pcs	Data sheet	dsPIC(33,24)EPzzz(GP,MC)20x,50x 16-bit Embedded Control Solutions dsPIC(33,24)EPzzz(GP,MC)20x,50x Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Supplier Device Package	28-SOIC	Speed	60 MIPs
Series	dsPIC™ 33EP	RAM Size	24K x 16
Program Memory Type	FLASH	Program Memory Size	512KB (170K x 24)
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Packaging	Tube
Package / Case	28-SOIC (0.295", 7.50mm Width)	Oscillator Type	Internal
Operating Temperature	-40°C ~ 150°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™ 33EP Microcontroller IC 16-Bit 60 MIPs 512KB (170K x 24) FLASH 28-SOIC
Data Converters	A/D 6x10b/12b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART
Base Part Number	DSPIC33EP512MC502		
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	Part#: DSPIC33EP512MC206-I/MR Description: IC MCU 16BIT 512KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512MC502-I/SO Description: IC MCU 16BIT 512KB FLASH 28SOIC	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP512MC502-H/MM Description: IC MCU 16BIT 512KB FLASH 28QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP512MC502T-I/MM Description: IC MCU 16BIT 512KB FLASH 28QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512MC206-I/PT Description: IC MCU 16BIT 512KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512MC502T-E/MM Description: IC MCU 16BIT 512KB FLASH 28QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP512MC206T-I/PT Description: IC MCU 16BIT 512KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512MC206T-E/PT Description: IC MCU 16BIT 512KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ

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