



Micrel / Microchip Technology

## DSPIC33EP512MC502-E/SP

Part Number:	DSPIC33EP512MC502-E/SP
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 16BIT 512KB FLASH 28SDIP
Datasheets:	<a href="#">1.DSPIC33EP512MC502-E/SP.pdf</a> <a href="#">2.DSPIC33EP512MC502-E/SP.pdf</a> <a href="#">3.DSPIC33EP512MC502-E/SP.pdf</a>
RoHS Status:	Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of DSPIC33EP512MC502-E/SP

PART NUMBER	DSPIC33EP512MC502-E/SP
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 16BIT 512KB FLASH 28SDIP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">1.DSPIC33EP512MC502-E/SP.pdf</a> <a href="#">2.DSPIC33EP512MC502-E/SP.pdf</a> <a href="#">3.DSPIC33EP512MC502-E/SP.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	3 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	28-SPDIP
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-DIP (0.300", 7.62mm)
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	21
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
MANUFACTURER STANDARD LEAD TIME	6 Weeks
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-SPDIP
DATA CONVERTERS	A/D 6x10b/12b
CORE SIZE	16-Bit
CORE PROCESSOR	dsPIC
CONNECTIVITY	CANbus, I <sup>2</sup> C, IrDA, LINbus, QEI, SPI, UART/USART
BASE PART NUMBER	DSPIC33EP512MC502

### Related Tags

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DSPIC33EP512MC502-E/SP PDF Datasheet	DSPIC33EP512MC502-E/SP Download Datasheet	DSPIC33EP512MC502-E/SP Datasheet
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 <b>DSPIC33EP512MC502-E/MM</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 512KB FLASH 28QFN In stock: Out stock <a href="#">RFQ</a>	 <b>DSPIC33EP512MC206T-E/PT</b> Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 512KB FLASH 64TQFP In stock: Out stock <a href="#">RFQ</a>
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