



Micrel / Microchip Technology

## DSPIC33EP64GS502-E/SO

Part Number:	DSPIC33EP64GS502-E/SO
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 16BIT 64KB FLASH 28SOIC
Datasheets:	<a href="#">1.DSPIC33EP64GS502-E/SO.pdf</a> <a href="#">2.DSPIC33EP64GS502-E/SO.pdf</a>
RoHs Status:	Lead free / RoHS Compliant
Stock Condition:	21874 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

**REQUEST FOR QUOTATION**

Image may be representation. See specifications for product details.

### Specifications of DSPIC33EP64GS502-E/SO

PART NUMBER	DSPIC33EP64GS502-E/SO
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 16BIT 64KB FLASH 28SOIC
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	21874 pcs
DATA SHEET	<a href="#">1.DSPIC33EP64GS502-E/SO.pdf</a> <a href="#">2.DSPIC33EP64GS502-E/SO.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	3 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	28-SOIC
SPEED	60 MIPs
SERIES	Automotive, AEC-Q100, dsPIC™ 33EP
RAM SIZE	8K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	64KB (64K 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 Automotive, AEC-Q100, dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPs 64KB (64K x 8) FLASH 28-SOIC
DATA CONVERTERS	A/D 12x12b, D/A 1x12b
CORE SIZE	16-Bit
CORE PROCESSOR	dsPIC
CONNECTIVITY	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
BASE PART NUMBER	DSPIC33EP64GS502

### Related Tags

Micrel / Microchip Technology DSPIC33EP64GS502-E/SO	DSPIC33EP64GS502-E/SO Distributor	DSPIC33EP64GS502-E/SO Supplier
DSPIC33EP64GS502-E/SO Price	DSPIC33EP64GS502-E/SO Pictures	DSPIC33EP64GS502-E/SO Image
DSPIC33EP64GS502-E/SO PDF Datasheet	DSPIC33EP64GS502-E/SO Download Datasheet	DSPIC33EP64GS502-E/SO Datasheet
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Micrel / Microchip Technology DSPIC33EP64GS502-E/SO	Micrel / Microchip Technology Supplier	Micrel / Microchip Technology Distributor
Micrel / Microchip Technology DSPIC33EP64GS502-E/SO	Microchip Technology DSPIC33EP64GS502-E/SO	Roving Networks / Microchip Technology DSPIC33EP64GS502-E/SO

### Related Products

<p><b>DSPIC33EP64GS502T-E/MM</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28QFN                  In stock: 23600 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC33EP64GS502-E/MM</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28QFN                  In stock: 25813 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC33EP64GS502-I/MX</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28UQFN                  In stock: 2731 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC33EP64GS502-E/MX</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28UQFN                  In stock: 3308 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC33EP64GS502-E/2N</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28UQFN                  In stock: 27310 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC33EP64GS502-I/MM</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28QFN                  In stock: 24011 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC33EP64GP506T-I/PT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 64TQFP                  In stock: 3365 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC33EP64GS502-I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28SOIC                  In stock: 22430 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC33EP64GP506T-E/PT</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 64TQFP                  In stock: 3366 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC33EP64GP506T-I/MR</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 64QFN                  In stock: 32415 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC33EP64GS502-I/2N</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28UQFN                  In stock: 27168 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC33EP64GS502T-E/2N</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 64KB FLASH 28UQFN                  In stock: 21491 pcs  <a href="#">RFQ</a></p>