



## DSPIC33EP32GS502-E/SO

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP32GS502-E/SO                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                 |
| Product description | IC MCU 16BIT 32KB FLASH 28SOIC                                                                                |
| Datasheets:         |  1.DSPIC33EP32GS502-E/SO.pdf |
|                     |  2.DSPIC33EP32GS502-E/SO.pdf |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 28644 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

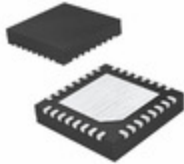
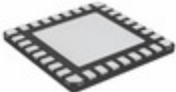
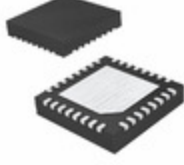
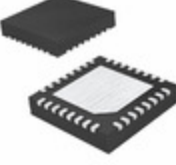
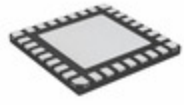
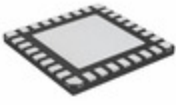
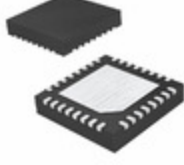
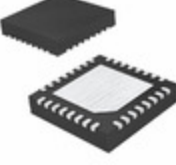
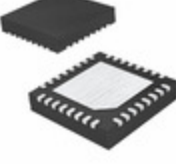
### Specifications of DSPIC33EP32GS502-E/SO

|                                  |                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP32GS502-E/SO                                                                                                                                                                                                              |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 16BIT 32KB FLASH 28SOIC                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 28644 pcs                                                                                                                                                                                                                          |
| DATA SHEET                       |  1.DSPIC33EP32GS502-E/SO.pdf<br> 2.DSPIC33EP32GS502-E/SO.pdf |
| 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                         | 4K x 8                                                                                                                                                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 32KB (32K 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 32KB (32K x 8) FLASH 28-SOIC                                                                                                                             |
| DATA CONVERTERS                  | A/D 12x12b, D/A 1x12b                                                                                                                                                                                                              |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                             |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                              |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                 |
| BASE PART NUMBER                 | DSPIC33EP32GS502                                                                                                                                                                                                                   |

### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP32GS502-E/SO | DSPIC33EP32GS502-E/SO Distributor          | DSPIC33EP32GS502-E/SO Supplier                               |
| DSPIC33EP32GS502-E/SO Price                         | DSPIC33EP32GS502-E/SO Pictures             | DSPIC33EP32GS502-E/SO Image                                  |
| DSPIC33EP32GS502-E/SO PDF Datasheet                 | DSPIC33EP32GS502-E/SO Download Datasheet   | DSPIC33EP32GS502-E/SO Datasheet                              |
| DSPIC33EP32GS502-E/SO Stock                         | Buy DSPIC33EP32GS502-E/SO                  | Buy Micrel / Microchip Technology DSPIC33EP32GS502-E/SO      |
| Micrel / Microchip Technology DSPIC33EP32GS502-E/SO | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33EP32GS502-E/SO | Microchip Technology DSPIC33EP32GS502-E/SO | Roving Networks / Microchip Technology DSPIC33EP32GS502-E/SO |

### Related Products

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|  <div><b>DSPIC33EP32GS502-E/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28QFN<br/>In stock: 24632 pcs<br/><b>RFQ</b></div>   |  <div><b>DSPIC33EP32GS502-E/MX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28UQFN<br/>In stock: 4383 pcs<br/><b>RFQ</b></div>  |
|  <div><b>DSPIC33EP32GS502T-E/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28UQFN<br/>In stock: 32470 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP32GS502-I/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28QFN<br/>In stock: 28956 pcs<br/><b>RFQ</b></div>  |
|  <div><b>DSPIC33EP32GS202T-I/MX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28UQFN<br/>In stock: 38218 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP32GS502-I/MX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28UQFN<br/>In stock: 5333 pcs<br/><b>RFQ</b></div>  |
|  <div><b>DSPIC33EP32GS202T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28SOIC<br/>In stock: 31290 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP32GS502-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28SOIC<br/>In stock: 27509 pcs<br/><b>RFQ</b></div> |
|  <div><b>DSPIC33EP32GS502T-E/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28QFN<br/>In stock: 25749 pcs<br/><b>RFQ</b></div>  |  <div><b>DSPIC33EP32GS502-E/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28UQFN<br/>In stock: 27487 pcs<br/><b>RFQ</b></div> |
|  <div><b>DSPIC33EP32GS202T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28SSOP<br/>In stock: 36448 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP32GS502-I/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28UQFN<br/>In stock: 29106 pcs<br/><b>RFQ</b></div> |