

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

### DSPIC33EP256GP502-E/SP

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP256GP502-E/SP                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                  |
| Product description | IC MCU 16BIT 256KB FLASH 28SDIP                                                                                |
|                     |  1.DSPIC33EP256GP502-E/SP.pdf |
|                     |  2.DSPIC33EP256GP502-E/SP.pdf |
| Datasheets:         |  Lead free / RoHS Compliant   |
| RoHs Status         |                                                                                                                |
| Stock Condition     | 26294 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                          |

REQUEST FOR QUOTATION

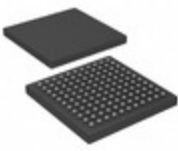
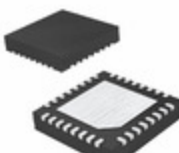
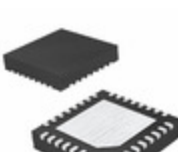
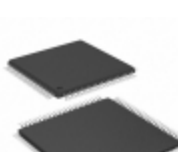
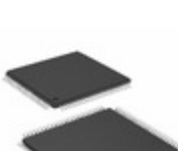
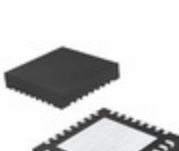
#### Specifications of DSPIC33EP256GP502-E/SP

|                                  |                                                                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP256GP502-E/SP                                                                                                                                                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 28SDIP                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 26294 pcs                                                                                                                                                                                                                            |
| DATA SHEET                       |  1.DSPIC33EP256GP502-E/SP.pdf<br> 2.DSPIC33EP256GP502-E/SP.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 28-SPDIP                                                                                                                                                                                                                             |
| SPEED                            | 60 MIPs                                                                                                                                                                                                                              |
| SERIES                           | dsPIC™ 33EP                                                                                                                                                                                                                          |
| RAM SIZE                         | 16K x 16                                                                                                                                                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                |
| PROGRAM MEMORY SIZE              | 256KB (85.5K x 24)                                                                                                                                                                                                                   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, 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) | Not Applicable                                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                    |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPs 256KB (85.5K x 24) FLASH 28-SPDIP                                                                                                                                                |
| DATA CONVERTERS                  | A/D 6x10b/12b                                                                                                                                                                                                                        |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                               |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                           |
| BASE PART NUMBER                 | DSPIC33EP256GP502                                                                                                                                                                                                                    |

#### Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP256GP502-E/SP | DSPIC33EP256GP502-E/SP Distributor          | DSPIC33EP256GP502-E/SP Supplier                               |
| DSPIC33EP256GP502-E/SP Price                         | DSPIC33EP256GP502-E/SP Pictures             | DSPIC33EP256GP502-E/SP Image                                  |
| DSPIC33EP256GP502-E/SP PDF Datasheet                 | DSPIC33EP256GP502-E/SP Download Datasheet   | DSPIC33EP256GP502-E/SP Datasheet                              |
| DSPIC33EP256GP502-E/SP Stock                         | Buy DSPIC33EP256GP502-E/SP                  | Buy Micrel / Microchip Technology DSPIC33EP256GP502-E/SP      |
| Micrel / Microchip Technology DSPIC33EP256GP502-E/SP | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EP256GP502-E/SP | Microchip Technology DSPIC33EP256GP502-E/SP | Roving Networks / Microchip Technology DSPIC33EP256GP502-E/SP |

#### Related Products

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|  <div><b>DSPIC33EP256GM710T-I/BG</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 121BGA<br/>In stock: 15963 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP256GP502-H/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28SSOP<br/>In stock: 5659 pcs<br/><b>RFQ</b></div>  |
|  <div><b>DSPIC33EP256GM710T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 100TQFP<br/>In stock: 6006 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP256GP502-H/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28QFN<br/>In stock: 4302 pcs<br/><b>RFQ</b></div>   |
|  <div><b>DSPIC33EP256GP502-H/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28SOIC<br/>In stock: 4849 pcs<br/><b>RFQ</b></div>   |  <div><b>DSPIC33EP256GP502-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28SOIC<br/>In stock: 30872 pcs<br/><b>RFQ</b></div> |
|  <div><b>DSPIC33EP256GP502-E/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28QFN<br/>In stock: 34387 pcs<br/><b>RFQ</b></div>   |  <div><b>DSPIC33EP256GP502-H/SP</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28SDIP<br/>In stock: 3492 pcs<br/><b>RFQ</b></div>  |
|  <div><b>DSPIC33EP256GM710-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 100TQFP<br/>In stock: 13375 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP256GP502-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28SSOP<br/>In stock: 33407 pcs<br/><b>RFQ</b></div> |
|  <div><b>DSPIC33EP256GM710T-I/PF</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 100TQFP<br/>In stock: 2902 pcs<br/><b>RFQ</b></div> |  <div><b>DSPIC33EP256GP502-I/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 28QFN<br/>In stock: 24483 pcs<br/><b>RFQ</b></div>  |