



### DSPIC33EP64GS502T-I/MM

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP64GS502T-I/MM                                                                                       |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 16BIT 64KB FLASH 28QFN                                                                                |
|                     | <a href="#">PDF</a> 1.DSPIC33EP64GS502T-I/MM.pdf                                                             |
|                     | <a href="#">PDF</a> 2.DSPIC33EP64GS502T-I/MM.pdf                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

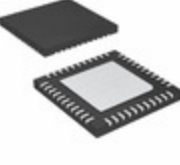
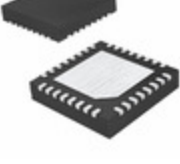
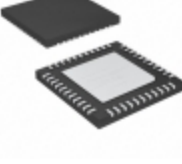
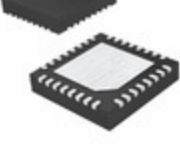
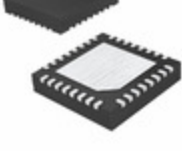
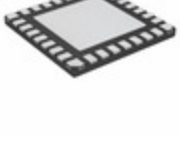
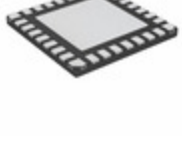
#### Specifications of DSPIC33EP64GS502T-I/MM

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP64GS502T-I/MM                                                                               |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 64KB FLASH 28QFN                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| DATA SHEET                       | <a href="#">PDF</a> 1.DSPIC33EP64GS502T-I/MM.pdf<br><a href="#">PDF</a> 2.DSPIC33EP64GS502T-I/MM.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 28-QFN-S (6x6)                                                                                       |
| SPEED                            | 70 MIPs                                                                                              |
| SERIES                           | 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                        | Tape & Reel (TR)                                                                                     |
| PACKAGE / CASE                   | 28-VQFN Exposed Pad                                                                                  |
| OSCILLATOR TYPE                  | Internal                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                    |
| NUMBER OF I/O                    | 21                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                        |
| MANUFACTURER STANDARD LEAD TIME  | 17 Weeks                                                                                             |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| EEPROM SIZE                      | -                                                                                                    |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 MIPs 64KB (64K x 8) FLASH 28-QFN-S (6x6)              |
| 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                 | DSPIC33EP64GS502                                                                                     |

#### Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP64GS502T-I/MM | DSPIC33EP64GS502T-I/MM Distributor          | DSPIC33EP64GS502T-I/MM Supplier                               |
| DSPIC33EP64GS502T-I/MM Price                         | DSPIC33EP64GS502T-I/MM Pictures             | DSPIC33EP64GS502T-I/MM Image                                  |
| DSPIC33EP64GS502T-I/MM PDF Datasheet                 | DSPIC33EP64GS502T-I/MM Download Datasheet   | DSPIC33EP64GS502T-I/MM Datasheet                              |
| DSPIC33EP64GS502T-I/MM Stock                         | Buy DSPIC33EP64GS502T-I/MM                  | Buy Micrel / Microchip Technology DSPIC33EP64GS502T-I/MM      |
| Micrel / Microchip Technology DSPIC33EP64GS502T-I/MM | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EP64GS502T-I/MM | Microchip Technology DSPIC33EP64GS502T-I/MM | Roving Networks / Microchip Technology DSPIC33EP64GS502T-I/MM |

#### Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>DSPIC33EP64GS502T-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28SOIC<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>DSPIC33EP64GS502-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28SOIC<br/>In stock: 49 pcs<br/>RFQ</div>     |
|  <div><b>DSPIC33EP64GS504-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44TQFP<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>DSPIC33EP64GS502T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28SOIC<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>DSPIC33EP64GS504-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44QFN<br/>In stock: 82 pcs<br/>RFQ</div>      |  <div><b>DSPIC33EP64GS504-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44TQFP<br/>In stock: 464 pcs<br/>RFQ</div>    |
|  <div><b>DSPIC33EP64GS502T-E/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28UQFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>DSPIC33EP64GS504-E/ML</b><br/>Manufacturers: Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44QFN<br/>In stock: Out stock<br/>RFQ</div>            |
|  <div><b>DSPIC33EP64GS502T-E/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28QFN<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>DSPIC33EP64GS502T-I/2N</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28UQFN<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>DSPIC33EP64GS502T-I/MX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28UQFN<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>DSPIC33EP64GS502T-E/MX</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28UQFN<br/>In stock: Out stock<br/>RFQ</div> |