

MICROCHIP

Micrel / Microchip Technology

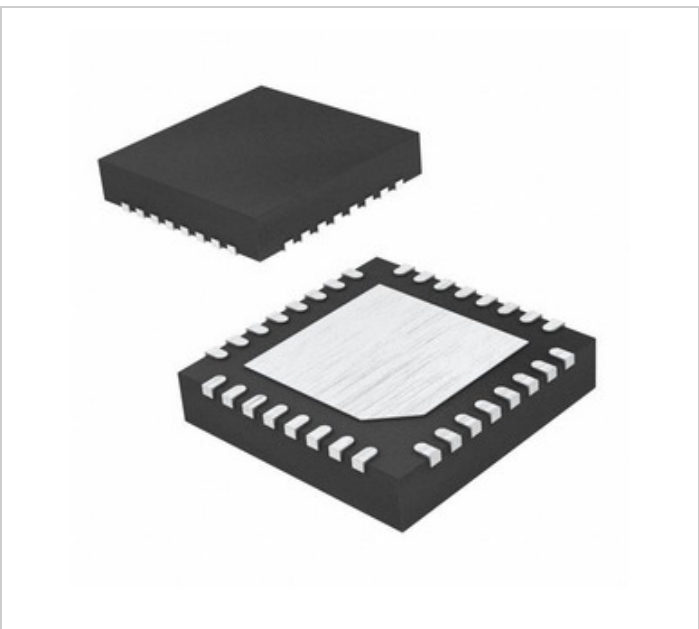


Image may be representation. See specifications for product details.

### DSPIC33EP32MC502T-I/MM

|                     |                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP32MC502T-I/MM                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                  |
| Product description | IC MCU 16BIT 32KB FLASH 28QFN                                                                                  |
| Datasheets:         |  1.DSPIC33EP32MC502T-I/MM.pdf |
|                     |  2.DSPIC33EP32MC502T-I/MM.pdf |
| RoHs Status         |  Lead free / RoHS Compliant   |
| Stock Condition     | 52764 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                          |

REQUEST FOR QUOTATION

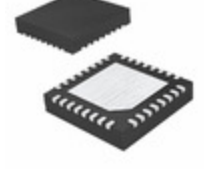
#### Specifications of DSPIC33EP32MC502T-I/MM

|                                  |                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP32MC502T-I/MM                                                                                           |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                    |
| DESCRIPTION                      | IC MCU 16BIT 32KB FLASH 28QFN                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                       |
| QUANTITY AVAILABLE               | 52764 pcs                                                                                                        |
| DATA SHEET                       |  1.DSPIC33EP32MC502T-I/MM.pdf |
|                                  |  2.DSPIC33EP32MC502T-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                         | 2K x 16                                                                                                          |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                            |
| PROGRAM MEMORY SIZE              | 32KB (10.7K x 24)                                                                                                |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, 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)                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                       |
| EEPROM SIZE                      | -                                                                                                                |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 MIPS 32KB (10.7K x 24) FLASH 28-QFN-S (6x6)                       |
| DATA CONVERTERS                  | A/D 6x10b/12b                                                                                                    |
| CORE SIZE                        | 16-Bit                                                                                                           |
| CORE PROCESSOR                   | dsPIC                                                                                                            |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                  |
| BASE PART NUMBER                 | DSPIC33EP32MC502                                                                                                 |

#### Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP32MC502T-I/MM | DSPIC33EP32MC502T-I/MM Distributor          | DSPIC33EP32MC502T-I/MM Supplier                               |
| DSPIC33EP32MC502T-I/MM Price                         | DSPIC33EP32MC502T-I/MM Pictures             | DSPIC33EP32MC502T-I/MM Image                                  |
| DSPIC33EP32MC502T-I/MM PDF Datasheet                 | DSPIC33EP32MC502T-I/MM Download Datasheet   | DSPIC33EP32MC502T-I/MM Datasheet                              |
| DSPIC33EP32MC502T-I/MM Stock                         | Buy DSPIC33EP32MC502T-I/MM                  | Buy Micrel / Microchip Technology DSPIC33EP32MC502T-I/MM      |
| Micrel / Microchip Technology DSPIC33EP32MC502T-I/MM | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33EP32MC502T-I/MM | Microchip Technology DSPIC33EP32MC502T-I/MM | Roving Networks / Microchip Technology DSPIC33EP32MC502T-I/MM |

#### Related Products

|                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>DSPIC33EP32MC503-I/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 36VTLA<br>In stock: 50543 pcs<br><b>RFQ</b> |  <b>DSPIC33EP32MC503T-E/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 36VTLA<br>In stock: 3964 pcs<br><b>RFQ</b> |
|  <b>DSPIC33EP32MC502T-E/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28SSOP<br>In stock: 6432 pcs<br><b>RFQ</b> |  <b>DSPIC33EP32MC502T-E/SO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28SOIC<br>In stock: 4557 pcs<br><b>RFQ</b> |
|  <b>DSPIC33EP32MC502T-I/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28SSOP<br>In stock: 5185 pcs<br><b>RFQ</b> |  <b>DSPIC33EP32MC502-I/SP</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28SDIP<br>In stock: 39956 pcs<br><b>RFQ</b> |
|  <b>DSPIC33EP32MC502-I/SO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28SOIC<br>In stock: 41841 pcs<br><b>RFQ</b> |  <b>DSPIC33EP32MC502T-I/SO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28SOIC<br>In stock: 7055 pcs<br><b>RFQ</b> |
|  <b>DSPIC33EP32MC503-H/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 36VTLA<br>In stock: 6334 pcs<br><b>RFQ</b>  |  <b>DSPIC33EP32MC502-I/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28SSOP<br>In stock: 40416 pcs<br><b>RFQ</b> |
|  <b>DSPIC33EP32MC502T-E/MM</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 28QFN<br>In stock: 6419 pcs<br><b>RFQ</b>  |  <b>DSPIC33EP32MC503-E/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 32KB FLASH 36VTLA<br>In stock: 4390 pcs<br><b>RFQ</b>  |