

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

### DSPIC33EP256MC504T-E/ML

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP256MC504T-E/ML                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                   |
| Product description | IC MCU 16BIT 256KB FLASH 44QFN                                                                                  |
| Datasheets:         |  1.DSPIC33EP256MC504T-E/ML.pdf |
|                     |  2.DSPIC33EP256MC504T-E/ML.pdf |
| RoHs Status         |  Lead free / RoHS Compliant    |
| Stock Condition     | 3440 pcs stock                                                                                                  |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

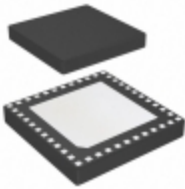
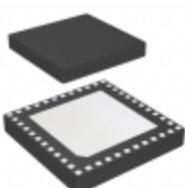
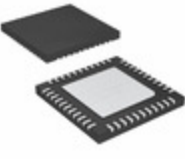
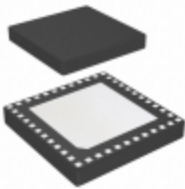
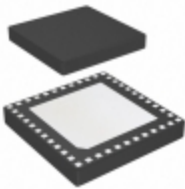
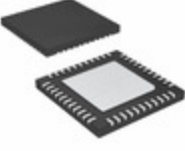
#### Specifications of DSPIC33EP256MC504T-E/ML

|                                  |                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP256MC504T-E/ML                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 44QFN                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 3440 pcs                                                                                                                                                                                                                               |
| DATA SHEET                       |  1.DSPIC33EP256MC504T-E/ML.pdf<br> 2.DSPIC33EP256MC504T-E/ML.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 44-QFN (8x8)                                                                                                                                                                                                                           |
| 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, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                          |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 44-VQFN Exposed Pad                                                                                                                                                                                                                    |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 35                                                                                                                                                                                                                                     |
| 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 60 MIPS 256KB (85.5K x 24) FLASH 44-QFN (8x8)                                                                                                                                              |
| DATA CONVERTERS                  | A/D 9x10b/12b                                                                                                                                                                                                                          |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                  |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                                                                                                                                        |
| BASE PART NUMBER                 | DSPIC33EP256MC504                                                                                                                                                                                                                      |

#### Related Tags

|                                                       |                                              |                                                                |
|-------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP256MC504T-E/ML | DSPIC33EP256MC504T-E/ML Distributor          | DSPIC33EP256MC504T-E/ML Supplier                               |
| DSPIC33EP256MC504T-E/ML Price                         | DSPIC33EP256MC504T-E/ML Pictures             | DSPIC33EP256MC504T-E/ML Image                                  |
| DSPIC33EP256MC504T-E/ML PDF Datasheet                 | DSPIC33EP256MC504T-E/ML Download Datasheet   | DSPIC33EP256MC504T-E/ML Datasheet                              |
| DSPIC33EP256MC504T-E/ML Stock                         | Buy DSPIC33EP256MC504T-E/ML                  | Buy Micrel / Microchip Technology DSPIC33EP256MC504T-E/ML      |
| Micrel / Microchip Technology DSPIC33EP256MC504T-E/ML | Micrel / Microchip Technology Supplier       | Micrel / Microchip Technology Distributor                      |
| Micrel / Microchip Technology DSPIC33EP256MC504T-E/ML | Microchip Technology DSPIC33EP256MC504T-E/ML | Roving Networks / Microchip Technology DSPIC33EP256MC504T-E/ML |

#### Related Products

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|  MICROCHIP<br><b>DSPIC33EP256MC504T-I/MV</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 48UQFN<br>In stock: 28856 pcs<br><b>RFQ</b> | <br><b>DSPIC33EP256MC504-H/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44TQFP<br>In stock: 6376 pcs<br><b>RFQ</b>  |
|  MICROCHIP<br><b>DSPIC33EP256MC504-I/MV</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 48UQFN<br>In stock: 32977 pcs<br><b>RFQ</b>  | <br><b>DSPIC33EP256MC504-H/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44VTLA<br>In stock: 6478 pcs<br><b>RFQ</b>  |
| <br><b>DSPIC33EP256MC504T-I/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44VTLA<br>In stock: 5140 pcs<br><b>RFQ</b>            | <br><b>DSPIC33EP256MC504-I/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44QFN<br>In stock: 24153 pcs<br><b>RFQ</b>  |
| <br><b>DSPIC33EP256MC504-I/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44VTLA<br>In stock: 25082 pcs<br><b>RFQ</b>            | <br><b>DSPIC33EP256MC504T-E/TL</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44VTLA<br>In stock: 5048 pcs<br><b>RFQ</b> |
| <br><b>DSPIC33EP256MC504T-I/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44QFN<br>In stock: 28455 pcs<br><b>RFQ</b>            | <br><b>DSPIC33EP256MC504-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44TQFP<br>In stock: 22179 pcs<br><b>RFQ</b> |
| <br><b>DSPIC33EP256MC504T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44TQFP<br>In stock: 5657 pcs<br><b>RFQ</b>            | <br><b>DSPIC33EP256MC504T-E/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 256KB FLASH 44TQFP<br>In stock: 5995 pcs<br><b>RFQ</b> |