



DSPIC33EP256MC504T-E/TL

|                     |                                                                                                                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP256MC504T-E/TL                                                                                                                                                                                                                                               |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                         |
| Product description | IC MCU 16BIT 256KB FLASH 44VTLA<br> 1.DSPIC33EP256MC504T-E/TL.pdf<br> 2.DSPIC33EP256MC504T-E/TL.pdf |
| Datasheets:         |  Lead free / RoHS Compliant                                                                                                                                                          |
| RoHs Status         | Hong Kong                                                                                                                                                                                                                                                             |
| Ship From           |                                                                                                                                                                                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                 |

REQUEST FOR QUOTATION

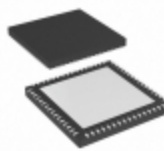
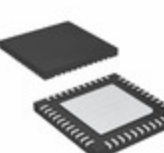
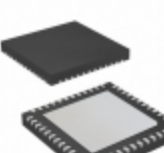
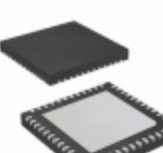
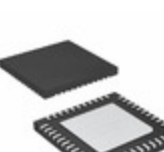
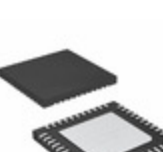
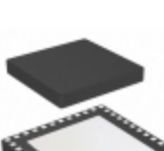
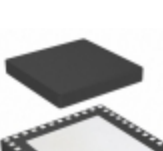
Specifications of DSPIC33EP256MC504T-E/TL

|                                  |                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP256MC504T-E/TL                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 16BIT 256KB FLASH 44VTLA                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| DATA SHEET                       |  1.DSPIC33EP256MC504T-E/TL.pdf<br> 2.DSPIC33EP256MC504T-E/TL.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 44-VTLA (6x6)                                                                                                                                                                                                                          |
| 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-VFTLA 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-VTLA (6x6)                                                                                                                                             |
| 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/TL | DSPIC33EP256MC504T-E/TL Distributor          | DSPIC33EP256MC504T-E/TL Supplier                               |
| DSPIC33EP256MC504T-E/TL Price                         | DSPIC33EP256MC504T-E/TL Pictures             | DSPIC33EP256MC504T-E/TL Image                                  |
| DSPIC33EP256MC504T-E/TL PDF Datasheet                 | DSPIC33EP256MC504T-E/TL Download Datasheet   | DSPIC33EP256MC504T-E/TL Datasheet                              |
| DSPIC33EP256MC504T-E/TL Stock                         | Buy DSPIC33EP256MC504T-E/TL                  | Buy Micrel / Microchip Technology DSPIC33EP256MC504T-E/TL      |
| Micrel / Microchip Technology DSPIC33EP256MC504T-E/TL | Micrel / Microchip Technology Supplier       | Micrel / Microchip Technology Distributor                      |
| Micrel / Microchip Technology DSPIC33EP256MC504T-E/TL | Microchip Technology DSPIC33EP256MC504T-E/TL | Roving Networks / Microchip Technology DSPIC33EP256MC504T-E/TL |

Related Products

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|  <p><b>DSPIC33EP256MC506-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64QFN<br/>In stock: Out stock</p> <p>RFQ</p>   |  <p><b>DSPIC33EP256MC504-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44TQFP<br/>In stock: 311 pcs</p> <p>RFQ</p>    |
|  <p><b>DSPIC33EP256MC504T-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44QFN<br/>In stock: Out stock</p> <p>RFQ</p>  |  <p><b>DSPIC33EP256MC504T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44TQFP<br/>In stock: Out stock</p> <p>RFQ</p> |
|  <p><b>DSPIC33EP256MC504-I/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 48UQFN<br/>In stock: Out stock</p> <p>RFQ</p>  |  <p><b>DSPIC33EP256MC504T-I/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 48UQFN<br/>In stock: Out stock</p> <p>RFQ</p> |
|  <p><b>DSPIC33EP256MC504T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44QFN<br/>In stock: Out stock</p> <p>RFQ</p>  |  <p><b>DSPIC33EP256MC504T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44TQFP<br/>In stock: Out stock</p> <p>RFQ</p> |
|  <p><b>DSPIC33EP256MC506-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 64TQFP<br/>In stock: 339 pcs</p> <p>RFQ</p>    |  <p><b>DSPIC33EP256MC504-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44QFN<br/>In stock: 194 pcs</p> <p>RFQ</p>     |
|  <p><b>DSPIC33EP256MC504T-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44VTLA<br/>In stock: Out stock</p> <p>RFQ</p> |  <p><b>DSPIC33EP256MC504-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 256KB FLASH 44VTLA<br/>In stock: 244 pcs</p> <p>RFQ</p>    |