

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

### DSPIC33EP64MC204-E/ML

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP64MC204-E/ML                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                 |
| Product description | IC MCU 16BIT 64KB FLASH 44QFN                                                                                 |
|                     |  1.DSPIC33EP64MC204-E/ML.pdf |
|                     |  2.DSPIC33EP64MC204-E/ML.pdf |
|                     |  3.DSPIC33EP64MC204-E/ML.pdf |
| Datasheets:         |                                                                                                               |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 42994 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

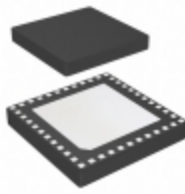
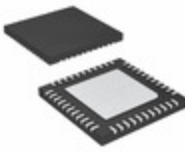
#### Specifications of DSPIC33EP64MC204-E/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP64MC204-E/ML                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 64KB FLASH 44QFN                                                                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                            |
| QUANTITY AVAILABLE               | 42994 pcs                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       |  1.DSPIC33EP64MC204-E/ML.pdf<br> 2.DSPIC33EP64MC204-E/ML.pdf<br> 3.DSPIC33EP64MC204-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                         | 4K x 16                                                                                                                                                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                 |
| PROGRAM MEMORY SIZE              | 64KB (22K x 24)                                                                                                                                                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT                                                                                                                                                                                                                                                                                         |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                  |
| 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 64KB (22K x 24) FLASH 44-QFN (8x8)                                                                                                                                                                                                                                                                |
| DATA CONVERTERS                  | A/D 9x10b/12b                                                                                                                                                                                                                                                                                                                                         |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                 |
| CONNECTIVITY                     | I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                                                                                                                                                                                                                                                               |
| BASE PART NUMBER                 | DSPIC33EP64MC204                                                                                                                                                                                                                                                                                                                                      |

#### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP64MC204-E/ML | DSPIC33EP64MC204-E/ML Distributor          | DSPIC33EP64MC204-E/ML Supplier                               |
| DSPIC33EP64MC204-E/ML Price                         | DSPIC33EP64MC204-E/ML Pictures             | DSPIC33EP64MC204-E/ML Image                                  |
| DSPIC33EP64MC204-E/ML PDF Datasheet                 | DSPIC33EP64MC204-E/ML Download Datasheet   | DSPIC33EP64MC204-E/ML Datasheet                              |
| DSPIC33EP64MC204-E/ML Stock                         | Buy DSPIC33EP64MC204-E/ML                  | Buy Micrel / Microchip Technology DSPIC33EP64MC204-E/ML      |
| Micrel / Microchip Technology DSPIC33EP64MC204-E/ML | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33EP64MC204-E/ML | Microchip Technology DSPIC33EP64MC204-E/ML | Roving Networks / Microchip Technology DSPIC33EP64MC204-E/ML |

#### Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>DSPIC33EP64MC204-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44TQFP<br/>In stock: 39655 pcs</div> <div>RFQ</div>  |  <div><b>DSPIC33EP64MC203-E/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 36VTLA<br/>In stock: 40418 pcs</div> <div>RFQ</div>  |
|  <div><b>DSPIC33EP64MC204-E/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44VTLA<br/>In stock: 36914 pcs</div> <div>RFQ</div>  |  <div><b>DSPIC33EP64MC203T-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 36VTLA<br/>In stock: 41829 pcs</div> <div>RFQ</div> |
|  <div><b>DSPIC33EP64MC204-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44QFN<br/>In stock: 29507 pcs</div> <div>RFQ</div>   |  <div><b>DSPIC33EP64MC204-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 44TQFP<br/>In stock: 37010 pcs</div> <div>RFQ</div>  |
|  <div><b>DSPIC33EP64MC204-E/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 48UQFN<br/>In stock: 32889 pcs</div> <div>RFQ</div>  |  <div><b>DSPIC33EP64MC204-I/MV</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 48UQFN<br/>In stock: 40630 pcs</div> <div>RFQ</div>  |
|  <div><b>DSPIC33EP64MC203T-E/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 36VTLA<br/>In stock: 6072 pcs</div> <div>RFQ</div>  |  <div><b>DSPIC33EP64MC203-I/TL</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 36VTLA<br/>In stock: 41106 pcs</div> <div>RFQ</div>  |
|  <div><b>DSPIC33EP64MC202T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28SOIC<br/>In stock: 46125 pcs</div> <div>RFQ</div> |  <div><b>DSPIC33EP64MC202T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 64KB FLASH 28SSOP<br/>In stock: 44093 pcs</div> <div>RFQ</div> |