



### DSPIC33EP32GP504-E/TL

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33EP32GP504-E/TL                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                 |
| Product description | IC MCU 16BIT 32KB FLASH 44VTLA                                                                                |
| Datasheets:         |  1.DSPIC33EP32GP504-E/TL.pdf |
|                     |  2.DSPIC33EP32GP504-E/TL.pdf |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 44880 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

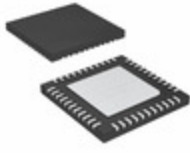
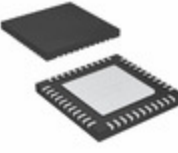
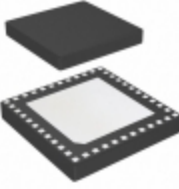
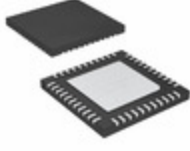
#### Specifications of DSPIC33EP32GP504-E/TL

|                                  |                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33EP32GP504-E/TL                                                                                                                                                                                                              |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MCU 16BIT 32KB FLASH 44VTLA                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                         |
| QUANTITY AVAILABLE               | 44880 pcs                                                                                                                                                                                                                          |
| DATA SHEET                       |  1.DSPIC33EP32GP504-E/TL.pdf<br> 2.DSPIC33EP32GP504-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                         | 2K x 16                                                                                                                                                                                                                            |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                              |
| PROGRAM MEMORY SIZE              | 32KB (10.7K x 24)                                                                                                                                                                                                                  |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                                                                                                                                                         |
| PACKAGING                        | Tube                                                                                                                                                                                                                               |
| 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) | 3 (168 Hours)                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                         |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPS 32KB (10.7K x 24) FLASH 44-VTLA (6x6)                                                                                                                                          |
| DATA CONVERTERS                  | A/D 9x10b/12b                                                                                                                                                                                                                      |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                             |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                              |
| CONNECTIVITY                     | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                         |
| BASE PART NUMBER                 | DSPIC33EP32GP504                                                                                                                                                                                                                   |

#### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33EP32GP504-E/TL | DSPIC33EP32GP504-E/TL Distributor          | DSPIC33EP32GP504-E/TL Supplier                               |
| DSPIC33EP32GP504-E/TL Price                         | DSPIC33EP32GP504-E/TL Pictures             | DSPIC33EP32GP504-E/TL Image                                  |
| DSPIC33EP32GP504-E/TL PDF Datasheet                 | DSPIC33EP32GP504-E/TL Download Datasheet   | DSPIC33EP32GP504-E/TL Datasheet                              |
| DSPIC33EP32GP504-E/TL Stock                         | Buy DSPIC33EP32GP504-E/TL                  | Buy Micrel / Microchip Technology DSPIC33EP32GP504-E/TL      |
| Micrel / Microchip Technology DSPIC33EP32GP504-E/TL | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33EP32GP504-E/TL | Microchip Technology DSPIC33EP32GP504-E/TL | Roving Networks / Microchip Technology DSPIC33EP32GP504-E/TL |

#### Related Products

|                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                          |
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| <div>MICROCHIP</div> <div>DSPIC33EP32GP504-I/MV</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 48UQFN<br/>In stock: 48123 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33EP32GP504-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44QFN<br/>In stock: 48054 pcs</div> <div>RFQ</div>            |
| <div></div> <div>DSPIC33EP32GP504-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44TQFP<br/>In stock: 35933 pcs</div> <div>RFQ</div>          | <div>MICROCHIP</div> <div>DSPIC33EP32GP503T-I/TL</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 36VTLA<br/>In stock: 43175 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33EP32GP504-E/PT</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44TQFP<br/>In stock: 41087 pcs</div> <div>RFQ</div>          | <div>MICROCHIP</div> <div>DSPIC33EP32GP503T-E/TL</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 36VTLA<br/>In stock: 5966 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33EP32GP504-E/ML</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44QFN<br/>In stock: 35236 pcs</div> <div>RFQ</div>           | <div></div> <div>DSPIC33EP32GP504-H/TL</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44VTLA<br/>In stock: 4973 pcs</div> <div>RFQ</div>            |
| <div>MICROCHIP</div> <div>DSPIC33EP32GP503-I/TL</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 36VTLA<br/>In stock: 45311 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33EP32GP504-H/ML</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44QFN<br/>In stock: 4948 pcs</div> <div>RFQ</div>             |
| <div>MICROCHIP</div> <div>DSPIC33EP32GP504-E/MV</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 48UQFN<br/>In stock: 37694 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33EP32GP504-H/PT</div> <div>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44TQFP<br/>In stock: 3705 pcs</div> <div>RFQ</div>            |