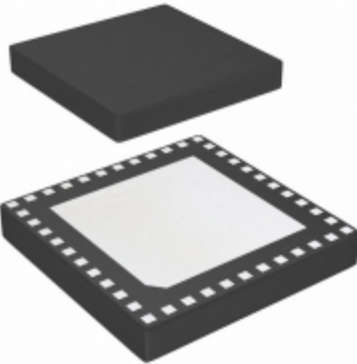


DSPIC33EP32MC204-H/TL





Part Number:

DSPIC33EP32MC204-H/TL

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 32KB FLASH 44VTLA

Data sheet:

 [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x](#)

 [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Errata](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

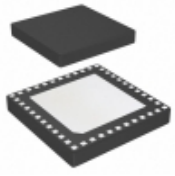
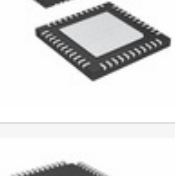
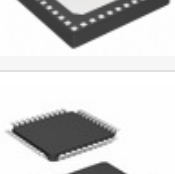
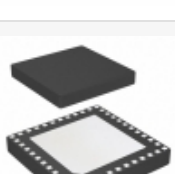
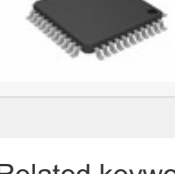
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                               |                                |                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DSPIC33EP32MC204-H/TL                                         | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 32KB FLASH 44VTLA                                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5267 pcs                                                      | Data sheet                     | <a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x</a><br><a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                     | 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, Motor Control PWM, POR, PWM, WDT | Packaging                      | Tube                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 44-VFTLA Exposed Pad                                          | Oscillator Type                | Internal                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 150°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 32KB (10.7K x 24) FLASH 44-VTLA (6x6)                 |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | A/D 9x10b/12b                                                 | Core Size                      | 16-Bit                                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dsPIC                                                         | Connectivity                   | I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DSPIC33EP32MC204                                              |                                |                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
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|  | Part#: <a href="#">DSPIC33EP32MC204T-E/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC203-I/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 36VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204-I/MV</a><br>Description: IC MCU 16BIT 32KB FLASH 48UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204-E/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204-H/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204-I/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204-E/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 44VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204T-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32MC204T-I/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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