

DSPIC33EP64MC206-I/PT



Part Number: [DSPIC33EP64MC206-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 64KB FLASH 64TQFP

Data sheet:  [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x](#)  
 [16-bit Embedded Control Solutions](#)  
 [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Errata](#)

RoHs Status: Lead free / RoHS Compliant

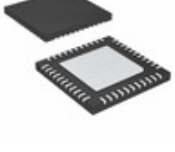
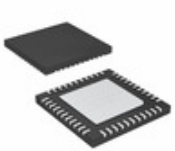
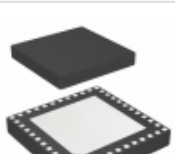
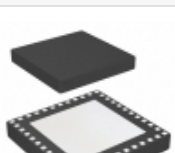
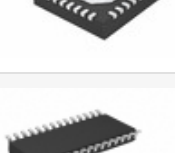
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                  |                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33EP64MC206-I/PT                                         | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 64KB FLASH 64TQFP                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 34782 pcs                                                     | Data sheet                       | <a href="#">dsPIC(33,24)EPzzz(GP,MC)20x,50x</a><br><a href="#">16-bit Embedded Control Solutions</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-TQFP (10x10)                                               | Speed                            | 70 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                        | Tray                                                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-TQFP                                                       | Other Names                      | DSPIC33EP64MC206IPT                                                                                                                                            |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Internal                                                      | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 53                                                            | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                  |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12 Weeks                                                      | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                     |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                             | Detailed Description             | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 MIPs 64KB (22K x 24) FLASH 64-TQFP (10x10)                                                                      |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 16x10b/12b                                                | Core Size                        | 16-Bit                                                                                                                                                         |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dsPIC                                                         | Connectivity                     | I <sup>2</sup> C, IrDA, LINbus, QEI, SPI, UART/USART                                                                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DSPIC33EP64MC206                                              |                                  |                                                                                                                                                                |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33EP64MC204T-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC206-I/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC206T-E/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC206-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC204T-E/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC502-E/SO</a><br>Description: IC MCU 16BIT 64KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC206-E/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC502-E/SS</a><br>Description: IC MCU 16BIT 64KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC206T-I/MR</a><br>Description: IC MCU 16BIT 64KB FLASH 64QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC206T-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC204T-I/MV</a><br>Description: IC MCU 16BIT 64KB FLASH 48UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC204T-I/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC204T-E/TL</a><br>Description: IC MCU 16BIT 64KB FLASH 44VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC502-E/SP</a><br>Description: IC MCU 16BIT 64KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC204T-I/TL</a><br>Description: IC MCU 16BIT 64KB FLASH 44VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC204T-E/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC206T-I/PT</a><br>Description: IC MCU 16BIT 64KB FLASH 64TQFP | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC502-E/MM</a><br>Description: IC MCU 16BIT 64KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC502-I/MM</a><br>Description: IC MCU 16BIT 64KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP64MC502-I/SO</a><br>Description: IC MCU 16BIT 64KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for DSPIC33EP64MC206-I/PT

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