

DSPIC33EP256MC506-H/PT



Part Number: [DSPIC33EP256MC506-H/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 256KB FLASH 64TQFP

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

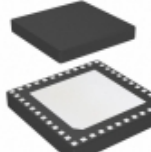
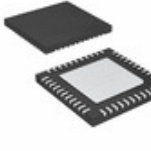
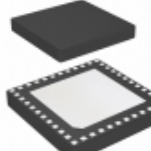
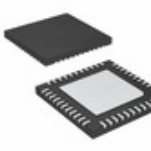
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |                                |                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33EP256MC506-H/PT                                        | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 256KB FLASH 64TQFP                               | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4423 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-TQFP (10x10)                                               | 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                      | Tray                                                                                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-TQFP                                                       | Oscillator Type                | Internal                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 150°C (TA)                                            | Number of I/O                  | 53                                                                                                        |
| 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 64-TQFP (10x10)              |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 16x10b/12b                                                | Core Size                      | 16-Bit                                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dsPIC                                                         | Connectivity                   | CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DSPIC33EP256MC506                                             |                                |                                                                                                           |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 4423 pieces of Micrel / Microchip Technology DSPIC33EP256MC506-H/PT in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                               |                                |                                                                                                           |

| RELATED PRODUCTS                                                                   |                                                                                                |                                                              |     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|
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|  | Part#: <a href="#">DSPIC33EP256MC506T-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC504T-E/TL</a><br>Description: IC MCU 16BIT 256KB FLASH 44VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC504T-I/ML</a><br>Description: IC MCU 16BIT 256KB FLASH 44QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC504T-I/MV</a><br>Description: IC MCU 16BIT 256KB FLASH 48UQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC506T-E/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 64TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MU806-I/MR</a><br>Description: IC MCU 16BIT 256KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC504T-I/TL</a><br>Description: IC MCU 16BIT 256KB FLASH 44VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC504T-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MU806-E/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC506-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC506-I/MR</a><br>Description: IC MCU 16BIT 256KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
|  | Part#: <a href="#">DSPIC33EP256MC506-H/MR</a><br>Description: IC MCU 16BIT 256KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
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|  | Part#: <a href="#">DSPIC33EP256MC506-E/MR</a><br>Description: IC MCU 16BIT 256KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | RFQ |
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