

DSPIC33EP32GP502T-E/SS





Part Number: [DSPIC33EP32GP502T-E/SS](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 32KB FLASH 28SSOP

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

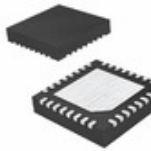
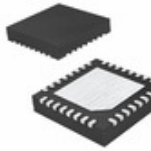
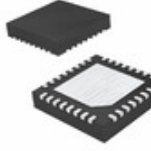
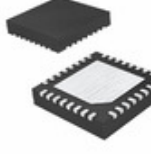
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |                                |                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DSPIC33EP32GP502T-E/SS                     | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 32KB FLASH 28SSOP             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4296 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 28-SSOP                                    | 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                      | Tape & Reel (TR)                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 28-SSOP (0.209", 5.30mm Width)             | Oscillator Type                | Internal                                                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 125°C (TA)                         | Number of I/O                  | 21                                                                                                        |
| 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 28-SSOP                       |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A/D 6x10b/12b                              | Core Size                      | 16-Bit                                                                                                    |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dsPIC                                      | Connectivity                   | CANbus, I²C, IrDA, LINbus, SPI, UART/USART                                                                |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DSPIC33EP32GP502                           |                                |                                                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">DSPIC33EP32GP502T-E/MM</a><br>Description: IC MCU 16BIT 32KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP32GP502T-E/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502T-I/MM</a><br>Description: IC MCU 16BIT 32KB FLASH 28QFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP503-I/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 36VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502T-I/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502-H/MM</a><br>Description: IC MCU 16BIT 32KB FLASH 28QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP503T-E/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 36VTLA | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502-H/SP</a><br>Description: IC MCU 16BIT 32KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502-I/SP</a><br>Description: IC MCU 16BIT 32KB FLASH 28SDIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP503-E/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 36VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502-H/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502-H/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP504-E/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">DSPIC33EP32GP503-H/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 36VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502-I/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502-I/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP502T-I/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP504-E/MV</a><br>Description: IC MCU 16BIT 32KB FLASH 48UQFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for DSPIC33EP32GP502T-E/SS

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