

DSPIC33EP32GP502T-I/SS





Part Number: [DSPIC33EP32GP502T-I/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

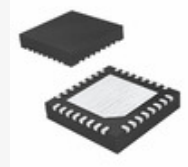
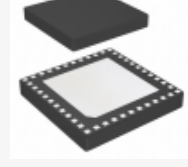
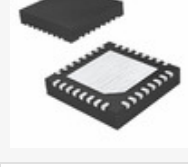
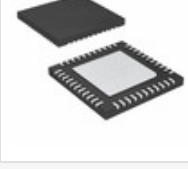
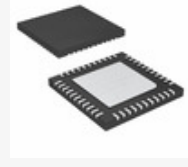
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                 |                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DSPIC33EP32GP502T-I/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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 47235 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                           | 70 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 ~ 85°C (TA)                                                                   | Number of I/O                   | 21                                                                                                        |
| Moisture Sensitivity Level (MSL) <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (Unlimited)                                                                         | Manufacturer Standard Lead Time | 16 Weeks                                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                          | EEPROM Size                     | -                                                                                                         |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 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="#">DSPIC33EP32GP504-E/MV</a><br>Description: IC MCU 16BIT 32KB FLASH 48UQFN  | 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="#">DSPIC33EP32GP502T-E/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">DSPIC33EP32GP503T-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/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/TL</a><br>Description: IC MCU 16BIT 32KB FLASH 44VTLA  | 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/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="#">DSPIC33EP32GP504-E/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP  | 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="#">DSPIC33EP32GP502-H/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | 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="#">DSPIC33EP32GP502-I/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for DSPIC33EP32GP502T-I/SS

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