



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

## DSPIC33FJ32MC302-E/SO

|                     |                                                                                                                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33FJ32MC302-E/SO                                                                                                                                                                                                                                                                                                                 |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                         |
| Product description | IC MCU 16BIT 32KB FLASH 28SOIC <div><a href="#">PDF</a> 1.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 2.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 3.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 4.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 5.DSPIC33FJ32MC302-E/SO.pdf</div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                       |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                          |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                             |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                 |

REQUEST FOR QUOTATION

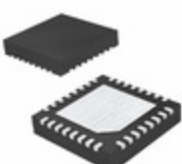
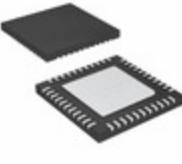
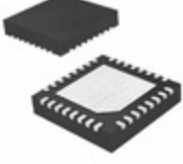
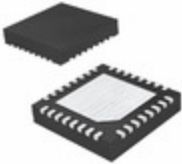
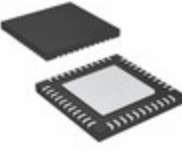
### Specifications of DSPIC33FJ32MC302-E/SO

|                                  |                                                                                                                                                                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ32MC302-E/SO                                                                                                                                                                                                                                                                                  |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 16BIT 32KB FLASH 28SOIC                                                                                                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                             |
| DATA SHEET                       | <div><a href="#">PDF</a> 1.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 2.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 3.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 4.DSPIC33FJ32MC302-E/SO.pdf</div> <div><a href="#">PDF</a> 5.DSPIC33FJ32MC302-E/SO.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 28-SOIC                                                                                                                                                                                                                                                                                                |
| SPEED                            | 40 MIPs                                                                                                                                                                                                                                                                                                |
| SERIES                           | dsPIC™ 33F                                                                                                                                                                                                                                                                                             |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                                                                                                                                 |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 32KB (32K x 8)                                                                                                                                                                                                                                                                                         |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT                                                                                                                                                                                                                                     |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                   |
| PACKAGE / CASE                   | 28-SOIC (0.295", 7.50mm Width)                                                                                                                                                                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 21                                                                                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited)                                                                                                                                                                                                                                                                                          |
| MANUFACTURER STANDARD LEAD TIME  | 5 Weeks                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                             |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                      |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 40 MIPs 32KB (32K x 8) FLASH 28-SOIC                                                                                                                                                                                                                        |
| DATA CONVERTERS                  | A/D 6x10b/12b                                                                                                                                                                                                                                                                                          |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                  |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                     |
| BASE PART NUMBER                 | DSPIC33FJ32MC302                                                                                                                                                                                                                                                                                       |

### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33FJ32MC302-E/SO | DSPIC33FJ32MC302-E/SO Distributor          | DSPIC33FJ32MC302-E/SO Supplier                               |
| DSPIC33FJ32MC302-E/SO Price                         | DSPIC33FJ32MC302-E/SO Pictures             | DSPIC33FJ32MC302-E/SO Image                                  |
| DSPIC33FJ32MC302-E/SO PDF Datasheet                 | DSPIC33FJ32MC302-E/SO Download Datasheet   | DSPIC33FJ32MC302-E/SO Datasheet                              |
| DSPIC33FJ32MC302-E/SO Stock                         | Buy DSPIC33FJ32MC302-E/SO                  | Buy Micrel / Microchip Technology DSPIC33FJ32MC302-E/SO      |
| Micrel / Microchip Technology DSPIC33FJ32MC302-E/SO | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33FJ32MC302-E/SO | Microchip Technology DSPIC33FJ32MC302-E/SO | Roving Networks / Microchip Technology DSPIC33FJ32MC302-E/SO |

### Related Products

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| <div></div> <div><b>DSPIC33FJ32MC302T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28SOIC<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>DSPIC33FJ32MC302-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28SOIC<br/>In stock: 216 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>DSPIC33FJ32MC302T-I/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>DSPIC33FJ32MC302-I/SP</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28SDIP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
| <div></div> <div><b>DSPIC33FJ32MC204-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44QFN<br/>In stock: 225 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>DSPIC33FJ32MC302-I/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
| <div></div> <div><b>DSPIC33FJ32MC302-E/MM</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>   | <div></div> <div><b>DSPIC33FJ32MC204T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44TQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>DSPIC33FJ32MC302-E/SP</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 28SDIP<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>DSPIC33FJ32MC204-H/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44TQFP<br/>In stock: 92 pcs<br/><div>RFQ</div></div>     |
| <div></div> <div><b>DSPIC33FJ32MC204T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44QFN<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>DSPIC33FJ32MC204-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 32KB FLASH 44TQFP<br/>In stock: 349 pcs<br/><div>RFQ</div></div>    |