



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

DSPIC33FJ32MC302-E/SP

Part Number: DSPIC33FJ32MC302-E/SP

Manufacturer/Brand: Micrel / Microchip Technology

Product description: IC MCU 16BIT 32KB FLASH 28SDIP

Datasheets: 

1.DSPIC33FJ32MC302-E/SP.pdf

2.DSPIC33FJ32MC302-E/SP.pdf

3.DSPIC33FJ32MC302-E/SP.pdf

4.DSPIC33FJ32MC302-E/SP.pdf

5.DSPIC33FJ32MC302-E/SP.pdf

RoHs Status:  Lead free / RoHS Compliant

Stock Condition: 23354 pcs stock

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

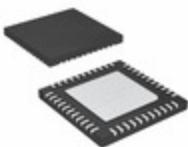
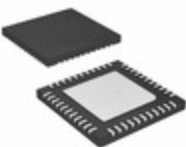
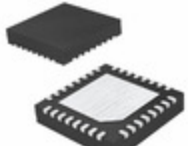
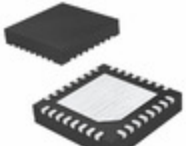
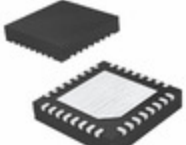
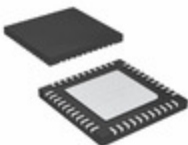
Specifications of DSPIC33FJ32MC302-E/SP

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ32MC302-E/SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DESCRIPTION                      | IC MCU 16BIT 32KB FLASH 28SDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 23354 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DATA SHEET                       | <div><div> PDF</div>1.DSPIC33FJ32MC302-E/SP.pdf</div> <div><div> PDF</div>2.DSPIC33FJ32MC302-E/SP.pdf</div> <div><div> PDF</div>3.DSPIC33FJ32MC302-E/SP.pdf</div> <div><div> PDF</div>4.DSPIC33FJ32MC302-E/SP.pdf</div> <div><div> PDF</div>5.DSPIC33FJ32MC302-E/SP.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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-DIP (0.300" , 7.62mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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™ 33F Microcontroller IC 16-Bit 40 MIPs 32KB (32K x 8) FLASH 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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

|                                                     |                                            |                                                              |
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| Micrel / Microchip Technology DSPIC33FJ32MC302-E/SP | Microchip Technology DSPIC33FJ32MC302-E/SP | Roving Networks / Microchip Technology DSPIC33FJ32MC302-E/SP |

Related Products

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>DSPIC33FJ32MC204T-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44QFN</div> <div>In stock: 24775 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ32MC304-E/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44QFN</div> <div>In stock: 24261 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ32MC302-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28SOIC</div> <div>In stock: 20876 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ32MC302-I/SP</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28SDIP</div> <div>In stock: 30920 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33FJ32MC204T-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44TQFP</div> <div>In stock: 26647 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33FJ32MC204-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44TQFP</div> <div>In stock: 28011 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33FJ32MC302T-I/MM</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28QFN</div> <div>In stock: 27525 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ32MC302-E/MM</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28QFN</div> <div>In stock: 23140 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ32MC302T-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28SOIC</div> <div>In stock: 28779 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33FJ32MC302-I/MM</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28QFN</div> <div>In stock: 24129 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ32MC204-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 44QFN</div> <div>In stock: 25926 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33FJ32MC302-E/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 32KB FLASH 28SOIC</div> <div>In stock: 22088 pcs</div> <div>RFQ</div> |