

MICROCHIP

Micrel / Microchip Technology



### DSPIC33FJ12MC202-I/SP

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33FJ12MC202-I/SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product description | IC MCU 16BIT 12KB FLASH 28SDIP <div> 1.DSPIC33FJ12MC202-I/SP.pdf<div> 2.DSPIC33FJ12MC202-I/SP.pdf<div> 3.DSPIC33FJ12MC202-I/SP.pdf<div> 4.DSPIC33FJ12MC202-I/SP.pdf</div></div></div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Stock Condition     | 29873 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

REQUEST FOR QUOTATION

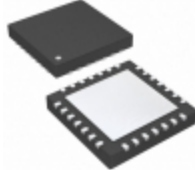
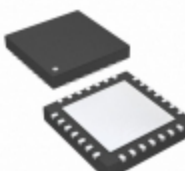
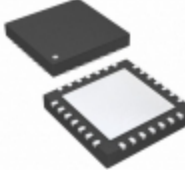
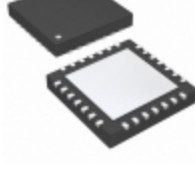
#### Specifications of DSPIC33FJ12MC202-I/SP

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ12MC202-I/SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 12KB FLASH 28SDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 29873 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       | <div> 1.DSPIC33FJ12MC202-I/SP.pdf<div> 2.DSPIC33FJ12MC202-I/SP.pdf<div> 3.DSPIC33FJ12MC202-I/SP.pdf<div> 4.DSPIC33FJ12MC202-I/SP.pdf</div></div></div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SPEED                            | 40 MIPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | dsPIC™ 33F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RAM SIZE                         | 1K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PROGRAM MEMORY SIZE              | 12KB (12K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PERIPHERALS                      | Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PACKAGE / CASE                   | 28-DIP (0.300" , 7.62mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OTHER NAMES                      | DSPIC33FJ12MC202ISP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 85°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 12KB (12K x 8) FLASH 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DATA CONVERTERS                  | A/D 6x10b/12b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | I²C, IrDA, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASE PART NUMBER                 | DSPIC33FJ12MC202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

#### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33FJ12MC202-I/SP | DSPIC33FJ12MC202-I/SP Distributor          | DSPIC33FJ12MC202-I/SP Supplier                               |
| DSPIC33FJ12MC202-I/SP Price                         | DSPIC33FJ12MC202-I/SP Pictures             | DSPIC33FJ12MC202-I/SP Image                                  |
| DSPIC33FJ12MC202-I/SP PDF Datasheet                 | DSPIC33FJ12MC202-I/SP Download Datasheet   | DSPIC33FJ12MC202-I/SP Datasheet                              |
| DSPIC33FJ12MC202-I/SP Stock                         | Buy DSPIC33FJ12MC202-I/SP                  | Buy Micrel / Microchip Technology DSPIC33FJ12MC202-I/SP      |
| Micrel / Microchip Technology DSPIC33FJ12MC202-I/SP | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33FJ12MC202-I/SP | Microchip Technology DSPIC33FJ12MC202-I/SP | Roving Networks / Microchip Technology DSPIC33FJ12MC202-I/SP |

#### Related Products

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| <div></div> <div>DSPIC33FJ12MC202-I/SS</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SSOP</div> <div>In stock: 24955 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ12MC202T-E/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div> <div>In stock: 32430 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ12MC202-E/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div> <div>In stock: 33641 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33FJ12MC202-E/SP</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SDIP</div> <div>In stock: 28710 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ12MC202T-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SOIC</div> <div>In stock: 37792 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33FJ12MC202-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SOIC</div> <div>In stock: 30152 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ12MC202-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div> <div>In stock: 25905 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33FJ12MC202T-E/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SOIC</div> <div>In stock: 28680 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33FJ12MC202-E/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SOIC</div> <div>In stock: 29297 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ12MC202T-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div> <div>In stock: 28634 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ12MC202-E/SS</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SSOP</div> <div>In stock: 31644 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ12MC202T-I/SS</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 12KB FLASH 28SSOP</div> <div>In stock: 30332 pcs</div> <div>RFQ</div> |