



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

## DSPIC33FJ16MC102T-I/SS

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33FJ16MC102T-I/SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product description | IC MCU 16BIT 16KB FLASH 28SSOP <div> 1.DSPIC33FJ16MC102T-I/SS.pdf<div> 2.DSPIC33FJ16MC102T-I/SS.pdf<div> 3.DSPIC33FJ16MC102T-I/SS.pdf<div> 4.DSPIC33FJ16MC102T-I/SS.pdf</div></div></div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Stock Condition     | 4497 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

REQUEST FOR QUOTATION

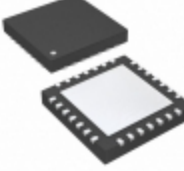
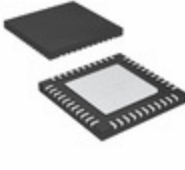
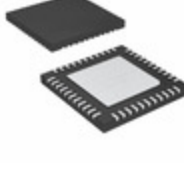
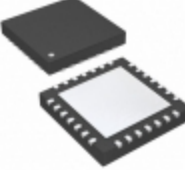
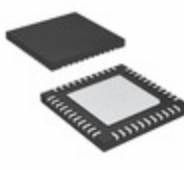
### Specifications of DSPIC33FJ16MC102T-I/SS

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ16MC102T-I/SS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 28SSOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| QUANTITY AVAILABLE               | 4497 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DATA SHEET                       | <div> 1.DSPIC33FJ16MC102T-I/SS.pdf<div> 2.DSPIC33FJ16MC102T-I/SS.pdf<div> 3.DSPIC33FJ16MC102T-I/SS.pdf<div> 4.DSPIC33FJ16MC102T-I/SS.pdf</div></div></div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 28-SSOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SPEED                            | 16 MIPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SERIES                           | dsPIC™ 33F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RAM SIZE                         | 1K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PERIPHERALS                      | Brown-out Detect/Reset, Motor Control PWM, 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) | 1 (Unlimited)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EEPROM SIZE                      | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DETAILED DESCRIPTION             | dsPIC dsPIC™ 33F Microcontroller IC 16-Bit 16 MIPS 16KB (16K x 8) FLASH 28-SSOP                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DATA CONVERTERS                  | A/D 6x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASE PART NUMBER                 | DSPIC33FJ16MC102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### Related Tags

|                                                      |                                             |                                                               |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33FJ16MC102T-I/SS | DSPIC33FJ16MC102T-I/SS Distributor          | DSPIC33FJ16MC102T-I/SS Supplier                               |
| DSPIC33FJ16MC102T-I/SS Price                         | DSPIC33FJ16MC102T-I/SS Pictures             | DSPIC33FJ16MC102T-I/SS Image                                  |
| DSPIC33FJ16MC102T-I/SS PDF Datasheet                 | DSPIC33FJ16MC102T-I/SS Download Datasheet   | DSPIC33FJ16MC102T-I/SS Datasheet                              |
| DSPIC33FJ16MC102T-I/SS Stock                         | Buy DSPIC33FJ16MC102T-I/SS                  | Buy Micrel / Microchip Technology DSPIC33FJ16MC102T-I/SS      |
| Micrel / Microchip Technology DSPIC33FJ16MC102T-I/SS | Micrel / Microchip Technology Supplier      | Micrel / Microchip Technology Distributor                     |
| Micrel / Microchip Technology DSPIC33FJ16MC102T-I/SS | Microchip Technology DSPIC33FJ16MC102T-I/SS | Roving Networks / Microchip Technology DSPIC33FJ16MC102T-I/SS |

### Related Products

|                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                              |
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| <div></div> <div>DSPIC33FJ16MC102-I/SS</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 28SSOP</div> <div>In stock: 54481 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ16MC102-I/SP</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 28SDIP</div> <div>In stock: 44203 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33FJ16MC304-H/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 44TQFP</div> <div>In stock: 3414 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33FJ16MC102T-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 28QFN</div> <div>In stock: 42842 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33FJ16MC304-E/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 44QFN</div> <div>In stock: 27670 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33FJ16MC102-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 28SOIC</div> <div>In stock: 41408 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33FJ16MC102T-I/SO</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 28SOIC</div> <div>In stock: 42328 pcs</div> <div>RFQ</div> | <div></div> <div>DSPIC33FJ16MC304-H/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 44QFN</div> <div>In stock: 24257 pcs</div> <div>RFQ</div>  |
| <div></div> <div>DSPIC33FJ16MC304-E/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 44TQFP</div> <div>In stock: 30575 pcs</div> <div>RFQ</div>  | <div></div> <div>DSPIC33FJ16MC304-I/PT</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 44TQFP</div> <div>In stock: 26045 pcs</div> <div>RFQ</div> |
| <div></div> <div>DSPIC33FJ16MC102-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 28QFN</div> <div>In stock: 36811 pcs</div> <div>RFQ</div>   | <div></div> <div>DSPIC33FJ16MC304-I/ML</div> <div>Manufacturers: Micrel / Microchip Technology</div> <div>Description: IC MCU 16BIT 16KB FLASH 44QFN</div> <div>In stock: 27225 pcs</div> <div>RFQ</div>  |