

MICROCHIP

Micrel / Microchip Technology



### DSPIC33FJ16GP102-E/SP

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33FJ16GP102-E/SP                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                 |
| Product description | IC MCU 16BIT 16KB FLASH 28SDIP                                                                                |
|                     |  1.DSPIC33FJ16GP102-E/SP.pdf |
|                     |  2.DSPIC33FJ16GP102-E/SP.pdf |
|                     |  3.DSPIC33FJ16GP102-E/SP.pdf |
|                     |  4.DSPIC33FJ16GP102-E/SP.pdf |
| Datasheets:         |                                                                                                               |
| RoHs Status         |  Lead free / RoHS Compliant  |
| Stock Condition     | 5830 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                         |

REQUEST FOR QUOTATION

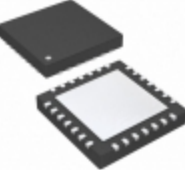
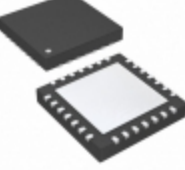
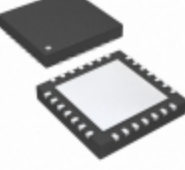
#### Specifications of DSPIC33FJ16GP102-E/SP

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ16GP102-E/SP                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 28SDIP                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 5830 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DATA SHEET                       |  1.DSPIC33FJ16GP102-E/SP.pdf<br> 2.DSPIC33FJ16GP102-E/SP.pdf<br> 3.DSPIC33FJ16GP102-E/SP.pdf<br> 4.DSPIC33FJ16GP102-E/SP.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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, POR, PWM, 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 16 MIPS 16KB (16K x 8) FLASH 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                         |
| DATA CONVERTERS                  | A/D 6x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASE PART NUMBER                 | DSPIC33FJ16GP102                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

#### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33FJ16GP102-E/SP | DSPIC33FJ16GP102-E/SP Distributor          | DSPIC33FJ16GP102-E/SP Supplier                               |
| DSPIC33FJ16GP102-E/SP Price                         | DSPIC33FJ16GP102-E/SP Pictures             | DSPIC33FJ16GP102-E/SP Image                                  |
| DSPIC33FJ16GP102-E/SP PDF Datasheet                 | DSPIC33FJ16GP102-E/SP Download Datasheet   | DSPIC33FJ16GP102-E/SP Datasheet                              |
| DSPIC33FJ16GP102-E/SP Stock                         | Buy DSPIC33FJ16GP102-E/SP                  | Buy Micrel / Microchip Technology DSPIC33FJ16GP102-E/SP      |
| Micrel / Microchip Technology DSPIC33FJ16GP102-E/SP | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33FJ16GP102-E/SP | Microchip Technology DSPIC33FJ16GP102-E/SP | Roving Networks / Microchip Technology DSPIC33FJ16GP102-E/SP |

#### Related Products

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|  <div><b>DSPIC33FJ16GP102-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SOIC<br/>In stock: 38603 pcs<br/>RFQ</div> |  <div><b>DSPIC33FJ16GP102-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SSOP<br/>In stock: 5521 pcs<br/>RFQ</div>   |
|  <div><b>DSPIC33FJ16GP101-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 18SOIC<br/>In stock: 49312 pcs<br/>RFQ</div> |  <div><b>DSPIC33FJ16GP102-E/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28QFN<br/>In stock: 36704 pcs<br/>RFQ</div>   |
|  <div><b>DSPIC33FJ16GP102-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SSOP<br/>In stock: 36020 pcs<br/>RFQ</div> |  <div><b>DSPIC33FJ16GP101T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SSOP<br/>In stock: 47329 pcs<br/>RFQ</div> |
|  <div><b>DSPIC33FJ16GP101T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 18SOIC<br/>In stock: 5599 pcs<br/>RFQ</div> |  <div><b>DSPIC33FJ16GP102-I/SP</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SDIP<br/>In stock: 48812 pcs<br/>RFQ</div>  |
|  <div><b>DSPIC33FJ16GP101-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SSOP<br/>In stock: 43711 pcs<br/>RFQ</div> |  <div><b>DSPIC33FJ16GP102T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28QFN<br/>In stock: 45033 pcs<br/>RFQ</div>  |
|  <div><b>DSPIC33FJ16GP102-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28SOIC<br/>In stock: 6541 pcs<br/>RFQ</div>  |  <div><b>DSPIC33FJ16GP102-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 28QFN<br/>In stock: 37630 pcs<br/>RFQ</div>   |