

MICROCHIP

Micrel / Microchip Technology



### DSPIC33FJ16GP101-I/P

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33FJ16GP101-I/P                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 16BIT 16KB FLASH 18DIP                                                                                |
|                     |  1.DSPIC33FJ16GP101-I/P.pdf |
|                     |  2.DSPIC33FJ16GP101-I/P.pdf |
|                     |  3.DSPIC33FJ16GP101-I/P.pdf |
|                     |  4.DSPIC33FJ16GP101-I/P.pdf |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 44851 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

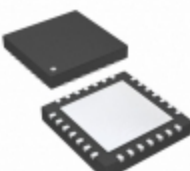
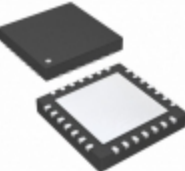
#### Specifications of DSPIC33FJ16GP101-I/P

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ16GP101-I/P                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 18DIP                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| QUANTITY AVAILABLE               | 44851 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DATA SHEET                       |  1.DSPIC33FJ16GP101-I/P.pdf<br> 2.DSPIC33FJ16GP101-I/P.pdf<br> 3.DSPIC33FJ16GP101-I/P.pdf<br> 4.DSPIC33FJ16GP101-I/P.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 18-PDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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                   | 18-DIP (0.300" , 7.62mm)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OTHER NAMES                      | DSPIC33FJ16GP101IP                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NUMBER OF I/O                    | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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 18-PDIP                                                                                                                                                                                                                                                                                                                                                                                      |
| DATA CONVERTERS                  | A/D 4x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASE PART NUMBER                 | DSPIC33FJ16GP101                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

#### Related Tags

|                                                    |                                           |                                                             |
|----------------------------------------------------|-------------------------------------------|-------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33FJ16GP101-I/P | DSPIC33FJ16GP101-I/P Distributor          | DSPIC33FJ16GP101-I/P Supplier                               |
| DSPIC33FJ16GP101-I/P Price                         | DSPIC33FJ16GP101-I/P Pictures             | DSPIC33FJ16GP101-I/P Image                                  |
| DSPIC33FJ16GP101-I/P PDF Datasheet                 | DSPIC33FJ16GP101-I/P Download Datasheet   | DSPIC33FJ16GP101-I/P Datasheet                              |
| DSPIC33FJ16GP101-I/P Stock                         | Buy DSPIC33FJ16GP101-I/P                  | Buy Micrel / Microchip Technology DSPIC33FJ16GP101-I/P      |
| Micrel / Microchip Technology DSPIC33FJ16GP101-I/P | Micrel / Microchip Technology Supplier    | Micrel / Microchip Technology Distributor                   |
| Micrel / Microchip Technology DSPIC33FJ16GP101-I/P | Microchip Technology DSPIC33FJ16GP101-I/P | Roving Networks / Microchip Technology DSPIC33FJ16GP101-I/P |

#### Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
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|  <div><b>DSPIC33FJ12MC202T-I/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 12KB FLASH 28SOIC<br/>In stock: 37792 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>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-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>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>DSPIC33FJ12MC202T-I/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 12KB FLASH 28SSOP<br/>In stock: 30332 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>DSPIC33FJ16GP101-E/P</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 18DIP<br/>In stock: 3574 pcs<br/>RFQ</div>     |
|  <div><b>DSPIC33FJ12MC202T-I/ML</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 12KB FLASH 28QFN<br/>In stock: 28634 pcs<br/>RFQ</div>  |  <div><b>DSPIC33FJ16GP101-E/SO</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 18SOIC<br/>In stock: 2762 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>DSPIC33FJ16GP101-E/SS</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 16BIT 16KB FLASH 20SSOP<br/>In stock: 47624 pcs<br/>RFQ</div>  |