

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

### DSPIC33FJ16GS504-E/ML

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DSPIC33FJ16GS504-E/ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product description | IC MCU 16BIT 16KB FLASH 44QFN <div> 1.DSPIC33FJ16GS504-E/ML.pdf<div> 2.DSPIC33FJ16GS504-E/ML.pdf<div> 3.DSPIC33FJ16GS504-E/ML.pdf<div> 4.DSPIC33FJ16GS504-E/ML.pdf</div></div></div></div> |
| Datasheets:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RoHs Status         |  Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Stock Condition     | 19428 pcs stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Ship From           | Hong Kong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

REQUEST FOR QUOTATION

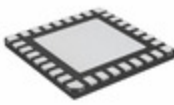
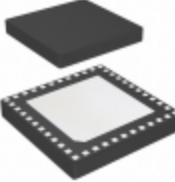
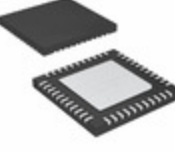
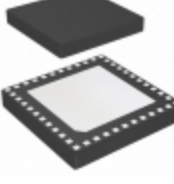
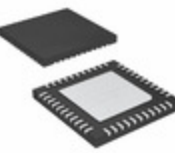
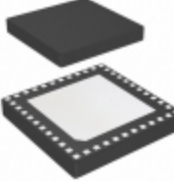
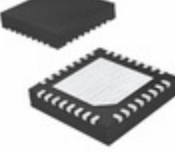
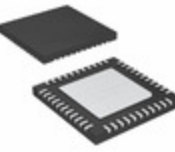
#### Specifications of DSPIC33FJ16GS504-E/ML

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC33FJ16GS504-E/ML                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 44QFN                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| QUANTITY AVAILABLE               | 19428 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       | <div> 1.DSPIC33FJ16GS504-E/ML.pdf<div> 2.DSPIC33FJ16GS504-E/ML.pdf<div> 3.DSPIC33FJ16GS504-E/ML.pdf<div> 4.DSPIC33FJ16GS504-E/ML.pdf</div></div></div></div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SUPPLIER DEVICE PACKAGE          | 44-QFN (8x8)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SPEED                            | 40 MIPs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SERIES                           | dsPIC™ 33F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RAM SIZE                         | 2K 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                   | 44-VQFN Exposed Pad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NUMBER OF I/O                    | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 16KB (16K x 8) FLASH 44-QFN (8x8)                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DATA CONVERTERS                  | A/D 24x10b, D/A 4x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASE PART NUMBER                 | DSPIC33FJ16GS504                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

#### Related Tags

|                                                     |                                            |                                                              |
|-----------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC33FJ16GS504-E/ML | DSPIC33FJ16GS504-E/ML Distributor          | DSPIC33FJ16GS504-E/ML Supplier                               |
| DSPIC33FJ16GS504-E/ML Price                         | DSPIC33FJ16GS504-E/ML Pictures             | DSPIC33FJ16GS504-E/ML Image                                  |
| DSPIC33FJ16GS504-E/ML PDF Datasheet                 | DSPIC33FJ16GS504-E/ML Download Datasheet   | DSPIC33FJ16GS504-E/ML Datasheet                              |
| DSPIC33FJ16GS504-E/ML Stock                         | Buy DSPIC33FJ16GS504-E/ML                  | Buy Micrel / Microchip Technology DSPIC33FJ16GS504-E/ML      |
| Micrel / Microchip Technology DSPIC33FJ16GS504-E/ML | Micrel / Microchip Technology Supplier     | Micrel / Microchip Technology Distributor                    |
| Micrel / Microchip Technology DSPIC33FJ16GS504-E/ML | Microchip Technology DSPIC33FJ16GS504-E/ML | Roving Networks / Microchip Technology DSPIC33FJ16GS504-E/ML |

#### Related Products

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| <div></div> <div>DSPIC33FJ16GS502T-E/MXManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 28QFNIn stock: 26498 pcsRFQ</div>   | <div></div> <div>DSPIC33FJ16GS504-H/TLManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44VTLAIn stock: 18737 pcsRFQ</div>  |
| <div></div> <div>DSPIC33FJ16GS502T-I/SOManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 28SOICIn stock: 25597 pcsRFQ</div>  | <div></div> <div>DSPIC33FJ16GS504-50I/MLManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44QFNIn stock: 23266 pcsRFQ</div> |
| <div></div> <div>DSPIC33FJ16GS504-E/TLManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44VTLAIn stock: 22718 pcsRFQ</div>   | <div></div> <div>DSPIC33FJ16GS504-I/MLManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44QFNIn stock: 19543 pcsRFQ</div>   |
| <div></div> <div>DSPIC33FJ16GS504-50I/TLManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44VTLAIn stock: 18913 pcsRFQ</div> | <div></div> <div>DSPIC33FJ16GS504-H/PTManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44TQFPIn stock: 16643 pcsRFQ</div>  |
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| <div></div> <div>DSPIC33FJ16GS504-E/PTManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44TQFPIn stock: 20006 pcsRFQ</div>   | <div></div> <div>DSPIC33FJ16GS504-H/MLManufacturers: Micrel / Microchip TechnologyDescription: IC MCU 16BIT 16KB FLASH 44QFNIn stock: 17611 pcsRFQ</div>   |