

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

## PIC24FJ16GA002-E/SO

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC24FJ16GA002-E/SO                                                                                          |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                |
| Product description | IC MCU 16BIT 16KB FLASH 28SOIC                                                                               |
| Datasheets:         |  1.PIC24FJ16GA002-E/SO.pdf  |
|                     |  2.PIC24FJ16GA002-E/SO.pdf  |
|                     |  3.PIC24FJ16GA002-E/SO.pdf  |
|                     |  4.PIC24FJ16GA002-E/SO.pdf  |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 48775 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

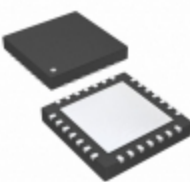
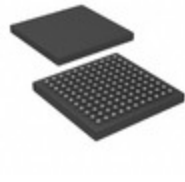
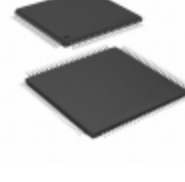
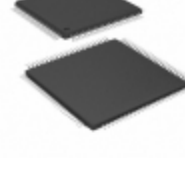
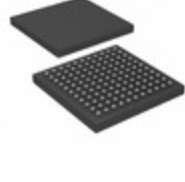
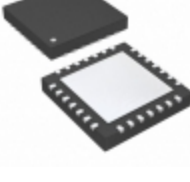
### Specifications of PIC24FJ16GA002-E/SO

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC24FJ16GA002-E/SO                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DESCRIPTION                      | IC MCU 16BIT 16KB FLASH 28SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| QUANTITY AVAILABLE               | 48775 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DATA SHEET                       |  1.PIC24FJ16GA002-E/SO.pdf<br> 2.PIC24FJ16GA002-E/SO.pdf<br> 3.PIC24FJ16GA002-E/SO.pdf<br> 4.PIC24FJ16GA002-E/SO.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPEED                            | 32MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SERIES                           | PIC® 24F                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RAM SIZE                         | 4K x 8                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PROGRAM MEMORY SIZE              | 16KB (5.5K x 24)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PERIPHERALS                      | Brown-out Detect/Reset, LVD, POR, PWM, WDT                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PACKAGING                        | Tube                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PACKAGE / CASE                   | 28-SOIC (0.295", 7.50mm Width)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OTHER NAMES                      | PIC24FJ16GA002ESO                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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             | PIC PIC® 24F Microcontroller IC 16-Bit 32MHz 16KB (5.5K x 24) FLASH 28-SOIC                                                                                                                                                                                                                                                                                                                                                                                      |
| DATA CONVERTERS                  | A/D 10x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CORE PROCESSOR                   | PIC                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CONNECTIVITY                     | I²C, PMP, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASE PART NUMBER                 | PIC24FJ16GA002                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### Related Tags

|                                                   |                                          |                                                            |
|---------------------------------------------------|------------------------------------------|------------------------------------------------------------|
| Micrel / Microchip Technology PIC24FJ16GA002-E/SO | PIC24FJ16GA002-E/SO Distributor          | PIC24FJ16GA002-E/SO Supplier                               |
| PIC24FJ16GA002-E/SO Price                         | PIC24FJ16GA002-E/SO Pictures             | PIC24FJ16GA002-E/SO Image                                  |
| PIC24FJ16GA002-E/SO PDF Datasheet                 | PIC24FJ16GA002-E/SO Download Datasheet   | PIC24FJ16GA002-E/SO Datasheet                              |
| PIC24FJ16GA002-E/SO Stock                         | Buy PIC24FJ16GA002-E/SO                  | Buy Micrel / Microchip Technology PIC24FJ16GA002-E/SO      |
| Micrel / Microchip Technology PIC24FJ16GA002-E/SO | Micrel / Microchip Technology Supplier   | Micrel / Microchip Technology Distributor                  |
| Micrel / Microchip Technology PIC24FJ16GA002-E/SO | Microchip Technology PIC24FJ16GA002-E/SO | Roving Networks / Microchip Technology PIC24FJ16GA002-E/SO |

### Related Products

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|  MICROCHIP<br><b>PIC24FJ16GA002-I/SP</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 16KB FLASH 28SDIP<br>In stock: 38864 pcs<br><b>RFQ</b> | <br><b>PIC24FJ16GA002-I/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 16KB FLASH 28QFN<br>In stock: 34602 pcs<br><b>RFQ</b>              |
| <br><b>PIC24FJ16GA002-I/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 16KB FLASH 28SSOP<br>In stock: 40407 pcs<br><b>RFQ</b>           |  MICROCHIP<br><b>PIC24FJ128GC006T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 128KB FLASH 64TQFP<br>In stock: 5444 pcs<br><b>RFQ</b> |
| <br><b>PIC24FJ128GC010T-I/BG</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 128KB FLASH 121BGA<br>In stock: 18865 pcs<br><b>RFQ</b>        | <br><b>PIC24FJ16GA002-I/SO</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 16KB FLASH 28SOIC<br>In stock: 35701 pcs<br><b>RFQ</b>             |
| <br><b>PIC24FJ128GC010-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 128KB FLASH 100TQFP<br>In stock: 16966 pcs<br><b>RFQ</b>        | <br><b>PIC24FJ16GA002-E/SS</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 16KB FLASH 28SSOP<br>In stock: 32844 pcs<br><b>RFQ</b>             |
| <br><b>PIC24FJ128GC010T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 128KB FLASH 100TQFP<br>In stock: 16690 pcs<br><b>RFQ</b>       |  MICROCHIP<br><b>PIC24FJ16GA002-E/SP</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 16KB FLASH 28SDIP<br>In stock: 38877 pcs<br><b>RFQ</b>   |
| <br><b>PIC24FJ128GC010-I/BG</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 128KB FLASH 121BGA<br>In stock: 16091 pcs<br><b>RFQ</b>         | <br><b>PIC24FJ16GA002-E/ML</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 16BIT 16KB FLASH 28QFN<br>In stock: 39190 pcs<br><b>RFQ</b>              |