

PIC24FJ32GA002-I/ML



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Part Number: [PIC24FJ32GA002-I/ML](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 32KB FLASH 28QFN

Data sheet:  [PIC24FJ64GA004 Family](#)  
 [16-bit Embedded Control Solutions](#)  
 [PIC24FJ64GA004 Family Errata & DataSheet](#)  
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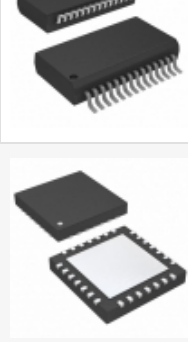
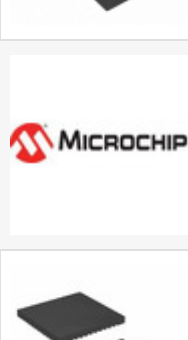
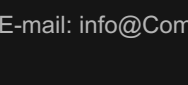
RoHs Status: Lead free / RoHS Compliant

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                  |                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PIC24FJ32GA002-I/ML                        | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MCU 16BIT 32KB FLASH 28QFN              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 47689 pcs                                  | Data sheet                       | <a href="#">PIC24FJ64GA004 Family</a><br><a href="#">16-bit Embedded Control Solutions</a><br><a href="#">PIC24FJ64GA004 Family Errata &amp; DataSheet Clarifica</a><br><a href="#">PIC24FJ64GA004 Family Errata &amp; DataSheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 2 V ~ 3.6 V                                                                                                                                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 28-QFN (6x6)                               | Speed                            | 32MHz                                                                                                                                                                                                                                |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PIC® 24F                                   | RAM Size                         | 8K x 8                                                                                                                                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FLASH                                      | Program Memory Size              | 32KB (11K x 24)                                                                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Brown-out Detect/Reset, LVD, POR, PWM, WDT | Packaging                        | Tube                                                                                                                                                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 28-VQFN Exposed Pad                        | Other Names                      | PIC24FJ32GA002IML                                                                                                                                                                                                                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Internal                                   | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 21                                         | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                                                                                                                        |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                                                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                          | Detailed Description             | PIC PIC® 24F Microcontroller IC 16-Bit 32MHz 32KB (11K x 24) FLASH 28-QFN (6x6)                                                                                                                                                      |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A/D 10x10b                                 | Core Size                        | 16-Bit                                                                                                                                                                                                                               |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PIC                                        | Connectivity                     | I²C, PMP, SPI, UART/USART                                                                                                                                                                                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PIC24FJ32GA002                             |                                  |                                                                                                                                                                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |                |
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|  | Part#: <a href="#">PIC24FJ32GA002-I/SP</a><br>Description: IC MCU 16BIT 32KB FLASH 28SDIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA002-E/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA002T-I/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA004-E/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA004-I/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 44QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ256GB610T-I/BG</a><br>Description: IC MCU 16BIT 256KB FLASH 121BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ256GB610-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ256GB606T-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA004-I/PT</a><br>Description: IC MCU 16BIT 32KB FLASH 44TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA002-I/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA002T-I/SS</a><br>Description: IC MCU 16BIT 32KB FLASH 28SSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA002-E/ML</a><br>Description: IC MCU 16BIT 32KB FLASH 28QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC24FJ32GA002-E/SP</a><br>Description: IC MCU 16BIT 32KB FLASH 28SDIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC24FJ256GB606T-I/MR</a><br>Description: IC MCU 16BIT 256KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ256GB610T-I/PT</a><br>Description: IC MCU 16BIT 256KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ32GA002-I/SO</a><br>Description: IC MCU 16BIT 32KB FLASH 28SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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