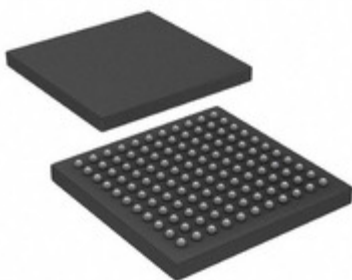


PIC24FJ128GA412T-I/BG





Part Number: [PIC24FJ128GA412T-I/BG](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 128KB FLASH 121BGA

Data sheet:  [PIC24FJ256G\(A,B\)4xx Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

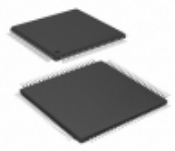
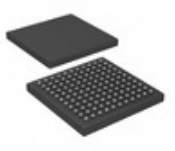
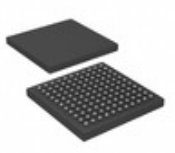
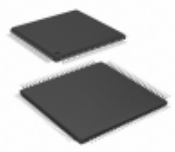
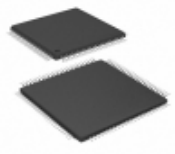
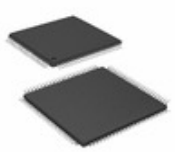
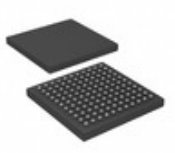
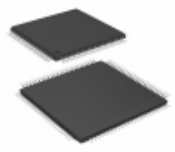
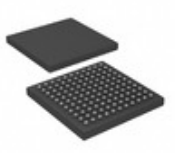
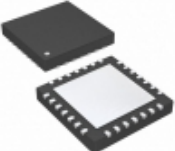
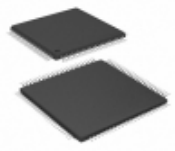
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                            |                                 |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC24FJ128GA412T-I/BG                                                                      | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 16BIT 128KB FLASH 121BGA                                                            | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 22832 pcs                                                                                  | Data sheet                      | <a href="#">PIC24FJ256G(A,B)4xx Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                  | Voltage - Supply (Vcc/Vdd)      | 2 V ~ 3.6 V                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 121-TFBGA (10x10)                                                                          | Speed                           | 32MHz                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC® XLP™ 24F                                                                              | RAM Size                        | 16K x 8                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                      | Program Memory Size             | 128KB (43K x 24)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, LCD, LVD, POR, PWM, WDT                                       | Packaging                       | Tape & Reel (TR)                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 121-TFBGA                                                                                  | Oscillator Type                 | Internal                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 85°C (TA)                                                                          | Number of I/O                   | 102                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                                                              | Manufacturer Standard Lead Time | 14 Weeks                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                                 | EEPROM Size                     | -                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PIC PIC® XLP™ 24F Microcontroller IC 16-Bit 32MHz 128KB (43K x 24) FLASH 121-TFBGA (10x10) | Data Converters                 | A/D 24x10b/12b, D/A 1x10b                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16-Bit                                                                                     | Core Processor                  | PIC                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | I²C, IrDA, LINbus, PMP/PSP, SPI, UART/USART                                                | Base Part Number                | PIC24FJ128GA412                               |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC24FJ128GA410T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA610T-I/BG</a><br>Description: IC MCU 16BIT 128KB FLASH 121BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA606T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA610-I/BG</a><br>Description: IC MCU 16BIT 128KB FLASH 121BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA610-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA406T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA310T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA406-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA606T-I/MR</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA606-I/MR</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA406-I/MR</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA310T-I/PF</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA310T-I/BG</a><br>Description: IC MCU 16BIT 128KB FLASH 121BGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA702-I/MV</a><br>Description: IC MCU 16BIT 128KB FLASH 28UQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA610T-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA606-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA406T-I/MR</a><br>Description: IC MCU 16BIT 128KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA412-I/BG</a><br>Description: IC MCU 16BIT 128KB FLASH 121BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA702-I/ML</a><br>Description: IC MCU 16BIT 128KB FLASH 28QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ128GA410-I/PT</a><br>Description: IC MCU 16BIT 128KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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