

PIC24FJ512GB606-I/PT



Part Number: [PIC24FJ512GB606-I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 512KB FLASH 64TQFP

Data sheet:  [PIC24FJ1024GA610/GB610 Family](#)

RoHs Status: Lead free / RoHS Compliant

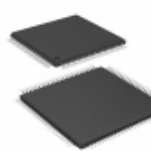
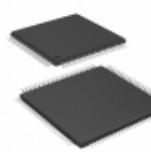
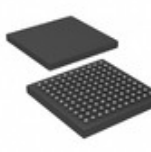
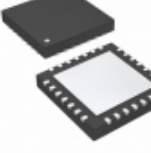
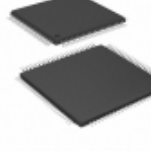
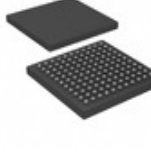
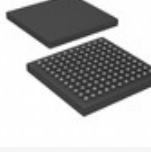
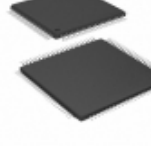
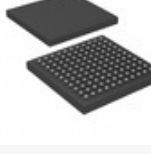
Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |                                 |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PIC24FJ512GB606-I/PT                                                                 | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 16BIT 512KB FLASH 64TQFP                                                      | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 27197 pcs                                                                            | Data sheet                      | <a href="#">PIC24FJ1024GA610/GB610 Family</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)      | 2 V ~ 3.6 V                                   |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64-TQFP (10x10)                                                                      | Speed                           | 32MHz                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PIC® 24F                                                                             | RAM Size                        | 32K x 8                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                | Program Memory Size             | 512KB (170K x 24)                             |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, DMA, HLVD, POR, PWM, WDT                                     | Packaging                       | Tray                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 64-TQFP                                                                              | Oscillator Type                 | Internal                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                                                                    | Number of I/O                   | 53                                            |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 (Unlimited)                                                                        | Manufacturer Standard Lead Time | 12 Weeks                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                           | EEPROM Size                     | -                                             |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC PIC® 24F Microcontroller IC 16-Bit 32MHz 512KB (170K x 24) FLASH 64-TQFP (10x10) | Data Converters                 | A/D 16x10b                                    |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16-Bit                                                                               | Core Processor                  | PIC                                           |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PC, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG                                      | Base Part Number                | PIC24FJ512GB606                               |
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| RELATED PRODUCTS                                                                   |                                                                                               |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC24FJ64GA002-E/SO</a><br>Description: IC MCU 16BIT 64KB FLASH 28SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GB610T-I/PT</a><br>Description: IC MCU 16BIT 512KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GA610-I/PT</a><br>Description: IC MCU 16BIT 512KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GB606T-I/MR</a><br>Description: IC MCU 16BIT 512KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GB610-I/BG</a><br>Description: IC MCU 16BIT 512KB FLASH 121BGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GB606T-I/PT</a><br>Description: IC MCU 16BIT 512KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ48GA004T-I/PT</a><br>Description: IC MCU 16BIT 48KB FLASH 44TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GA606-I/PT</a><br>Description: IC MCU 16BIT 512KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GA606-I/MR</a><br>Description: IC MCU 16BIT 512KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ64GA002-E/SS</a><br>Description: IC MCU 16BIT 64KB FLASH 28SSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GB606-I/MR</a><br>Description: IC MCU 16BIT 512KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ64GA002-E/SP</a><br>Description: IC MCU 16BIT 64KB FLASH 28SDIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GA606T-I/MR</a><br>Description: IC MCU 16BIT 512KB FLASH 64QFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ64GA002-E/ML</a><br>Description: IC MCU 16BIT 64KB FLASH 28QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC24FJ512GA610T-I/PT</a><br>Description: IC MCU 16BIT 512KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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| Related keywords for PIC24FJ512GB606-I/PT          |                                                    |                                           |                                        |  |
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