

PIC32MX775F256L-80V/BG





Part Number: [PIC32MX775F256L-80V/BG](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 256KB FLASH 121BGA

Data sheet:  [PIC32MX5zz,6zz,7zz Family Errata & DataSheet Clari](#)  
 [PIC32MX Flash Programming Spec](#)  
 [PIC32MX5xx/6xx/7xx](#)

RoHs Status: Lead free / RoHS Compliant

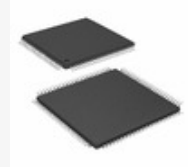
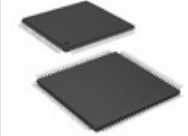
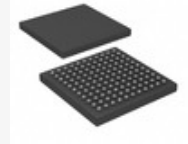
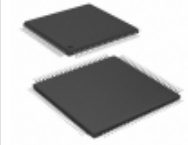
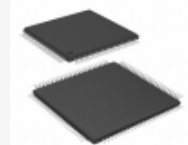
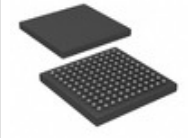
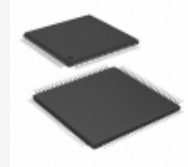
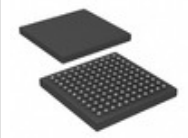
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                 |                                 |                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC32MX775F256L-80V/BG                                                                          | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 32BIT 256KB FLASH 121BGA                                                                 | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13983 pcs                                                                                       | Data sheet                      | <a href="#">PIC32MX5zz,6zz,7zz Family Errata &amp; DataSheet Clari</a><br><a href="#">PIC32MX Flash Programming Spec</a><br><a href="#">PIC32MX5xx/6xx/7xx</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                       | Voltage - Supply (Vcc/Vdd)      | 2.3 V ~ 3.6 V                                                                                                                                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 121-TFBGA (10x10)                                                                               | Speed                           | 80MHz                                                                                                                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PIC® 32MX                                                                                       | RAM Size                        | 64K x 8                                                                                                                                                        |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                                           | Program Memory Size             | 256KB (256K x 8)                                                                                                                                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                      | Packaging                       | Tray                                                                                                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 121-TFBGA                                                                                       | Other Names                     | PIC32MX775F256L80VBG                                                                                                                                           |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Internal                                                                                        | Operating Temperature           | -40°C ~ 105°C (TA)                                                                                                                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 (168 Hours)                                                                                   | Manufacturer Standard Lead Time | 7 Weeks                                                                                                                                                        |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Lead free / RoHS Compliant                                                                      | EEPROM Size                     | -                                                                                                                                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MIPS32® M4K™ PIC® 32MX Microcontroller IC 32-Bit 80MHz 256KB (256K x 8) FLASH 121-TFBGA (10x10) | Data Converters                 | A/D 16x10b                                                                                                                                                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 32-Bit                                                                                          | Core Processor                  | MIPS32® M4K™                                                                                                                                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, Ethernet, I²C, SPI, UART/USART, USB OTG                                                 | Base Part Number                | PIC32MX775F256                                                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                              |                |
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|  | Part#: <a href="#">PIC32MX775F256L-80I/PF</a><br>Description: IC MCU 32BIT 256KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC32MX775F512H-80I/MR</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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