

PIC32MZ0512EFF144-E/PL



Part Number: [PIC32MZ0512EFF144-E/PL](#)

Manufacturer [Micrel / Microchip Technology](#)

Description IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:  [PIC32MZ EF Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

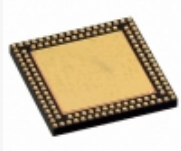
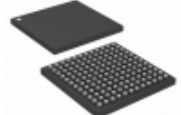
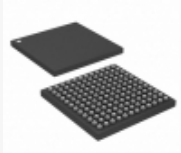
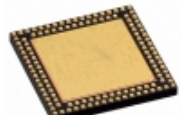
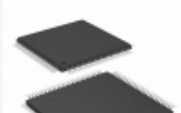
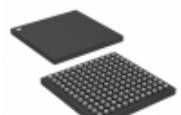
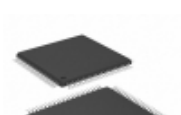
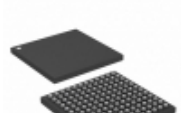
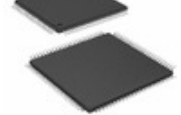
Ship From: Hong Kong

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                          |                                 |                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PIC32MZ0512EFF144-E/PL                                                                                                   | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IC MCU 32BIT 512KB FLASH 144LQFP                                                                                         | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10259 pcs                                                                                                                | Data sheet                      | <a href="#">PIC32MZ EF Datasheet</a>          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Integrated Circuits (ICs)</a>                                                                                | Voltage - Supply (Vcc/Vdd)      | 2.1 V ~ 3.6 V                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 144-LQFP (20x20)                                                                                                         | Speed                           | 180MHz                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Automotive, AEC-Q100, PIC® 32MZ                                                                                          | RAM Size                        | 128K x 8                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FLASH                                                                                                                    | Program Memory Size             | 512KB (512K x 8)                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT                                                                          | Packaging                       | Tray                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 144-LQFP                                                                                                                 | Oscillator Type                 | Internal                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -40°C ~ 125°C (TA)                                                                                                       | Number of I/O                   | 120                                           |
| 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® M-Class Automotive, AEC-Q100, PIC® 32MZ Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 144-LQFP (20x20) | Data Converters                 | A/D 48x12b                                    |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 32-Bit                                                                                                                   | Core Processor                  | MIPS32® M-Class                               |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CANbus, EBI/EMI, Ethernet, I²C, PMP, SPI, SQL, UART/USART, USB OTG                                                       | Base Part Number                | PIC32MZ0512                                   |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 10259 pieces of Micrel / Microchip Technology PIC32MZ0512EFF144-E/PL in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                                                          |                                 |                                               |

| RELATED PRODUCTS                                                                   |                                                                                                  |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC32MZ0512EFF144-I/PL</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF124T-I/TL</a><br>Description: IC MCU 32BIT 512KB FLASH 124VTLA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF144-I/JWX</a><br>Description: FLASH, 128KB RAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF144-E/JWX</a><br>Description: FLASH, 128KB RAM                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF124-I/TL</a><br>Description: IC MCU 32BIT 512KB FLASH 124VTLA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF144-E/PH</a><br>Description: IC MCU 32BIT 512KB FLASH 144TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF100T-I/PF</a><br>Description: IC MCU 32BIT 512KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF100-I/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 100TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF100-E/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 100TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFK064-E/MR</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF144T-I/JWX</a><br>Description: 512KB FLASH, 128KB RAM, NO CRYPT | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFK064-I/MR</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF100T-I/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF144-I/PH</a><br>Description: IC MCU 32BIT 512KB FLASH 144TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF144T-I/PH</a><br>Description: IC MCU 32BIT 512KB FLASH 144TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PIC32MZ0512EFF144T-E/JWX</a><br>Description: 512KB FLASH, 128KB RAM, NO CRYPT | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFK064-E/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 64TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF100-I/PF</a><br>Description: IC MCU 32BIT 512KB FLASH 100TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MZ0512EFF124-E/TL</a><br>Description: IC MCU 32BIT 512KB FLASH 124VTLA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for PIC32MZ0512EFF144-E/PL

|                               |                                           |                                             |                                        |
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