

PIC32MX470F512HT-V/PT



Part Number: [PIC32MX470F512HT-V/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 64TQFP

Data sheet:  [PIC32MX330 Family Errata & Datasheet](#)  
 [PIC32MX330 Microcontroller Brochure](#)  
 [PIC32MX3x0/4x0 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

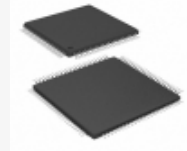
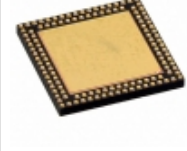
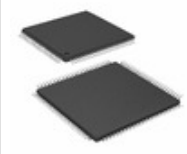
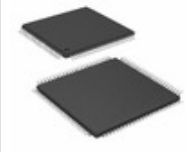
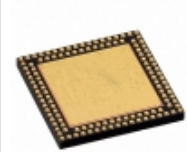
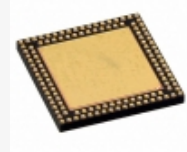
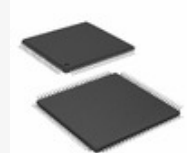
Ship From: Hong Kong

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

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

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                               |                                 |                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PIC32MX470F512HT-V/PT                                                                         | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                                               |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IC MCU 32BIT 512KB FLASH 64TQFP                                                               | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                                                  |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 15039 pcs                                                                                     | Data sheet                      | <a href="#">PIC32MX330 Family Errata &amp; Datasheet</a><br><a href="#">PIC32MX330 Microcontroller Brochure</a><br><a href="#">PIC32MX3x0/4x0 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <a href="#">Integrated Circuits (ICs)</a>                                                     | Voltage - Supply (Vcc/Vdd)      | 2.3 V ~ 3.6 V                                                                                                                                               |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-TQFP (10x10)                                                                               | Speed                           | 80MHz                                                                                                                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PIC® 32MX                                                                                     | RAM Size                        | 128K x 8                                                                                                                                                    |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FLASH                                                                                         | Program Memory Size             | 512KB (512K x 8)                                                                                                                                            |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Brown-out Detect/Reset, DMA, POR, PWM, WDT                                                    | Packaging                       | Tape & Reel (TR)                                                                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 64-TQFP                                                                                       | Oscillator Type                 | Internal                                                                                                                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40°C ~ 105°C (TA)                                                                            | Number of I/O                   | 49                                                                                                                                                          |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 (168 Hours)                                                                                 | Manufacturer Standard Lead Time | 12 Weeks                                                                                                                                                    |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lead free / RoHS Compliant                                                                    | EEPROM Size                     | -                                                                                                                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MIPS32® M4K™ PIC® 32MX Microcontroller IC 32-Bit 80MHz 512KB (512K x 8) FLASH 64-TQFP (10x10) | Data Converters                 | A/D 28x10b                                                                                                                                                  |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 32-Bit                                                                                        | Core Processor                  | MIPS32® M4K™                                                                                                                                                |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IPC, IrDA, LINbus, PMP, SPI, UART/USART, USB OTG                                              | Base Part Number                | PIC32MX470F512                                                                                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                                 |                                                              |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">PIC32MX470F512HT-120/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 64TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX470F512HT-I/MR</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX470F512H-120/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 64TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX470F512L-120/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 100TQFP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX470F512L-I/TL</a><br>Description: IC MCU 32BIT 512KB FLASH 124VTLA    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX470F512H-V/PT</a><br>Description: IC MCU 32BIT 512KB FLASH 64TQFP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX470F512LT-120/PF</a><br>Description: IC MCU 32BIT 512KB FLASH 100TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PIC32MX470F512HT-V/MR</a><br>Description: IC MCU 32BIT 512KB FLASH 64QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------|----------------------------------------|
| Related keywords for PIC32MX470F512HT-V/PT          |                                                     |                                            |                                        |
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