



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC32MK0512GPD100T-I/PT

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC32MK0512GPD100T-I/PT                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                   |
| Product description | IC MCU 32BIT 512KB FLASH 100TQFP                                                                                |
|                     |  1.PIC32MK0512GPD100T-I/PT.pdf |
|                     |  2.PIC32MK0512GPD100T-I/PT.pdf |
| Datasheets:         |                                                                                                                 |
| RoHs Status         |  Lead free / RoHS Compliant    |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

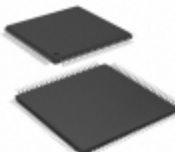
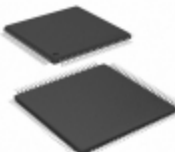
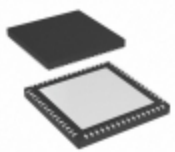
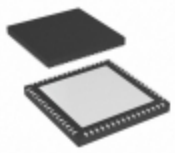
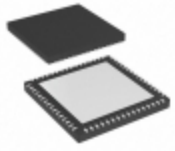
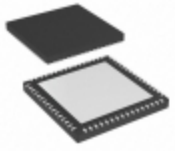
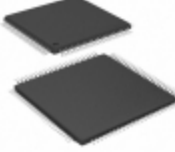
Specifications of PIC32MK0512GPD100T-I/PT

|                                  |                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC32MK0512GPD100T-I/PT                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100TQFP                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| DATA SHEET                       |  1.PIC32MK0512GPD100T-I/PT.pdf<br> 2.PIC32MK0512GPD100T-I/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.2 V ~ 3.6 V                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (12x12)                                                                                                                                                                                                                       |
| SPEED                            | 120MHz                                                                                                                                                                                                                                 |
| SERIES                           | PIC® 32MK                                                                                                                                                                                                                              |
| RAM SIZE                         | 128K x 8                                                                                                                                                                                                                               |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                  |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                                       |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, POR, Motor Control PWM, WDT                                                                                                                                                                          |
| PACKAGING                        | Tape & Reel (TR)                                                                                                                                                                                                                       |
| PACKAGE / CASE                   | 100-TQFP                                                                                                                                                                                                                               |
| OTHER NAMES                      | PIC32MK0512GPD100T-I/PT-ND<br>PIC32MK0512GPD100T-I/PTTR                                                                                                                                                                                |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                      |
| NUMBER OF I/O                    | 77                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                          |
| MANUFACTURER STANDARD LEAD TIME  | 9 Weeks                                                                                                                                                                                                                                |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| EEPROM SIZE                      | 4K x 8                                                                                                                                                                                                                                 |
| DETAILED DESCRIPTION             | MIPS32® microAptiv™ PIC® 32MK Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 100-TQFP (12x12)                                                                                                                                 |
| DATA CONVERTERS                  | A/D 42x12b                                                                                                                                                                                                                             |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | MIPS32® microAptiv™                                                                                                                                                                                                                    |
| CONNECTIVITY                     | IrDA, LINbus, PMP, QEI, SPI, UART/USART, USB OTG                                                                                                                                                                                       |

Related Tags

|                                                       |                                              |                                                                |
|-------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| Micrel / Microchip Technology PIC32MK0512GPD100T-I/PT | PIC32MK0512GPD100T-I/PT Distributor          | PIC32MK0512GPD100T-I/PT Supplier                               |
| PIC32MK0512GPD100T-I/PT Price                         | PIC32MK0512GPD100T-I/PT Pictures             | PIC32MK0512GPD100T-I/PT Image                                  |
| PIC32MK0512GPD100T-I/PT PDF Datasheet                 | PIC32MK0512GPD100T-I/PT Download Datasheet   | PIC32MK0512GPD100T-I/PT Datasheet                              |
| PIC32MK0512GPD100T-I/PT Stock                         | Buy PIC32MK0512GPD100T-I/PT                  | Buy Micrel / Microchip Technology PIC32MK0512GPD100T-I/PT      |
| Micrel / Microchip Technology PIC32MK0512GPD100T-I/PT | Micrel / Microchip Technology Supplier       | Micrel / Microchip Technology Distributor                      |
| Micrel / Microchip Technology PIC32MK0512GPD100T-I/PT | Microchip Technology PIC32MK0512GPD100T-I/PT | Roving Networks / Microchip Technology PIC32MK0512GPD100T-I/PT |

Related Products

|                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>PIC32MK0512GPE064T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p> |  <p><b>PIC32MK0512GPD064T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p>  |
|  <p><b>PIC32MK0512GPD100-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br/>In stock: 590 pcs</p> <p>RFQ</p>   |  <p><b>PIC32MK0512GPD100T-E/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br/>In stock: Out stock</p> <p>RFQ</p> |
|  <p><b>PIC32MK0512GPE064T-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: Out stock</p> <p>RFQ</p>  |  <p><b>PIC32MK0512GPD064T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p>  |
|  <p><b>PIC32MK0512GPD064T-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: Out stock</p> <p>RFQ</p>  |  <p><b>PIC32MK0512GPE064-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: 490 pcs</p> <p>RFQ</p>     |
|  <p><b>PIC32MK0512GPE064T-E/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: Out stock</p> <p>RFQ</p>  |  <p><b>PIC32MK0512GPE064-I/MR</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64QFN<br/>In stock: 640 pcs</p> <p>RFQ</p>      |
|  <p><b>PIC32MK0512GPE064T-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br/>In stock: Out stock</p> <p>RFQ</p> |  <p><b>PIC32MK0512GPD100-I/PT</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br/>In stock: 584 pcs</p> <p>RFQ</p>    |