

MICROCHIP

Micrel / Microchip Technology



Image may be representation. See specifications for product details.

PIC32MK0512GPE100T-E/PT

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number:        | PIC32MK0512GPE100T-E/PT                                                                                         |
| Manufacturer/Brand: | Micrel / Microchip Technology                                                                                   |
| Product description | IC MCU 32BIT 512KB FLASH 100TQFP                                                                                |
|                     |  1.PIC32MK0512GPE100T-E/PT.pdf |
|                     |  2.PIC32MK0512GPE100T-E/PT.pdf |
| Datasheets:         |                                                                                                                 |
| RoHs Status         |  Lead free / RoHS Compliant    |
| Stock Condition     | 12680 pcs stock                                                                                                 |
| Ship From           | Hong Kong                                                                                                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                           |

REQUEST FOR QUOTATION

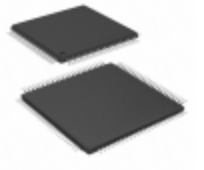
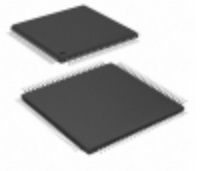
Specifications of PIC32MK0512GPE100T-E/PT

|                                  |                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PIC32MK0512GPE100T-E/PT                                                                                                                                                                                                                |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                          |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100TQFP                                                                                                                                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| QUANTITY AVAILABLE               | 12680 pcs                                                                                                                                                                                                                              |
| DATA SHEET                       |  1.PIC32MK0512GPE100T-E/PT.pdf<br> 2.PIC32MK0512GPE100T-E/PT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.2 V ~ 3.6 V                                                                                                                                                                                                                          |
| SUPPLIER DEVICE PACKAGE          | 100-TQFP (12x12)                                                                                                                                                                                                                       |
| SPEED                            | 80MHz                                                                                                                                                                                                                                  |
| SERIES                           | Automotive, AEC-Q100, 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                        | Cut Tape (CT)                                                                                                                                                                                                                          |
| PACKAGE / CASE                   | 100-TQFP                                                                                                                                                                                                                               |
| OTHER NAMES                      | PIC32MK0512GPE100T-E/PTCT                                                                                                                                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                                                                                                                                                                                     |
| NUMBER OF I/O                    | 77                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                             |
| EEPROM SIZE                      | 4K x 8                                                                                                                                                                                                                                 |
| DETAILED DESCRIPTION             | MIPS32® microAptiv™ Automotive, AEC-Q100, PIC® 32MK Microcontroller IC 32-Bit 80MHz 512KB (512K x 8) FLASH 100-TQFP (12x12)                                                                                                            |
| DATA CONVERTERS                  | A/D 42x12b                                                                                                                                                                                                                             |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                 |
| CORE PROCESSOR                   | MIPS32® microAptiv™                                                                                                                                                                                                                    |
| CONNECTIVITY                     | CANbus, IrDA, LINbus, PMP, QEI, SPI, UART/USART, USB OTG                                                                                                                                                                               |

Related Tags

|                                                       |                                              |                                                                |
|-------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|
| Micrel / Microchip Technology PIC32MK0512GPE100T-E/PT | PIC32MK0512GPE100T-E/PT Distributor          | PIC32MK0512GPE100T-E/PT Supplier                               |
| PIC32MK0512GPE100T-E/PT Price                         | PIC32MK0512GPE100T-E/PT Pictures             | PIC32MK0512GPE100T-E/PT Image                                  |
| PIC32MK0512GPE100T-E/PT PDF Datasheet                 | PIC32MK0512GPE100T-E/PT Download Datasheet   | PIC32MK0512GPE100T-E/PT Datasheet                              |
| PIC32MK0512GPE100T-E/PT Stock                         | Buy PIC32MK0512GPE100T-E/PT                  | Buy Micrel / Microchip Technology PIC32MK0512GPE100T-E/PT      |
| Micrel / Microchip Technology PIC32MK0512GPE100T-E/PT | Micrel / Microchip Technology Supplier       | Micrel / Microchip Technology Distributor                      |
| Micrel / Microchip Technology PIC32MK0512GPE100T-E/PT | Microchip Technology PIC32MK0512GPE100T-E/PT | Roving Networks / Microchip Technology PIC32MK0512GPE100T-E/PT |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                               |
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|  MICROCHIP<br><b>PIC32MK0512MCF064T-E/MR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64QFN<br>In stock: 14450 pcs<br>RFQ  | <br><b>PIC32MK0512GPE100-E/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br>In stock: 11871 pcs<br>RFQ           |
|  MICROCHIP<br><b>PIC32MK0512MCF064-E/MR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64QFN<br>In stock: 13908 pcs<br>RFQ   |  MICROCHIP<br><b>PIC32MK0512GPE064T-I/MR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64QFN<br>In stock: 16186 pcs<br>RFQ  |
|  MICROCHIP<br><b>PIC32MK0512MCF064-E/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br>In stock: 11336 pcs<br>RFQ  |  MICROCHIP<br><b>PIC32MK0512GPE064T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br>In stock: 18553 pcs<br>RFQ |
|  MICROCHIP<br><b>PIC32MK0512GPE064T-E/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br>In stock: 11393 pcs<br>RFQ |  MICROCHIP<br><b>PIC32MK0512MCF064-I/MR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64QFN<br>In stock: 11660 pcs<br>RFQ   |
| <br><b>PIC32MK0512GPE100-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br>In stock: 11338 pcs<br>RFQ           |  MICROCHIP<br><b>PIC32MK0512MCF064-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64TQFP<br>In stock: 15519 pcs<br>RFQ  |
|  MICROCHIP<br><b>PIC32MK0512GPE064T-E/MR</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 64QFN<br>In stock: 15581 pcs<br>RFQ  | <br><b>PIC32MK0512GPE100T-I/PT</b><br>Manufacturers: Micrel / Microchip Technology<br>Description: IC MCU 32BIT 512KB FLASH 100TQFP<br>In stock: 14613 pcs<br>RFQ          |