

PIC32MK0512GPD100T-E/PT





Part Number: [PIC32MK0512GPD100T-E/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 100TQFP

Data sheet:  [PIC32MK GP,MC Family Errata](#)
 [PIC32MK GP,MC Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

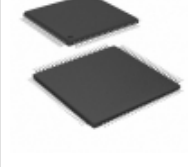
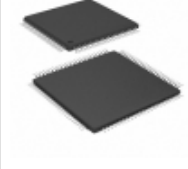
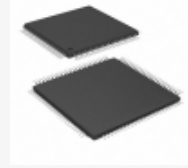
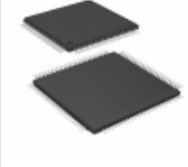
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PRODUCT PARAMETER			
Part Number	PIC32MK0512GPD100T-E/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 100TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	16236 pcs	Data sheet	PIC32MK GP,MC Family Errata PIC32MK GP,MC Family Datasheet
Category	Integrated Circuits (ICs)	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	Original-Reel®
Package / Case	100-TQFP	Other Names	PIC32MK0512GPD100T-E/PTDKR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	77	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	8 Weeks	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	IrDA, LINbus, PMP, QEI, SPI, UART/USART, USB OTG
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