

PIC32MK0512GPD064-E/MR



Part Number: [PIC32MK0512GPD064-E/MR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 32BIT 512KB FLASH 64QFN

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

RoHs Status: Lead free / RoHS Compliant

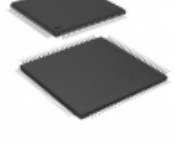
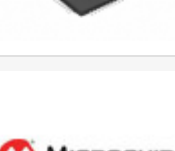
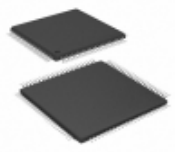
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PRODUCT PARAMETER			
Part Number	PIC32MK0512GPD064-E/MR	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 32BIT 512KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	14409 pcs	Data sheet	PIC32MK GP,MC Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Supplier Device Package	64-QFN (9x9)	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	Tube
Package / Case	64-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	48
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	5 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 64-QFN (9x9)	Data Converters	A/D 26x12b
Core Size	32-Bit	Core Processor	MIPS32® microAptiv™
Connectivity	IrDA, LINbus, PMP, QEI, SPI, UART/USART, USB OTG		
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	Part#: PIC32MK0512GPD100-E/PT Description: IC MCU 32BIT 512KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC32-PINGUINO-MX220 Description: MICROCHIP PIC32MX440 BOARD	Manufacturers: Olimex LTD	RFQ
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	Part#: PIC32-HMZ144 Description: MICROCHIP ETHERNET BRD	Manufacturers: Olimex	RFQ
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	Part#: PIC32MK0512GPD064T-I/MR Description: IC MCU 32BIT 512KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC24HJ64GP510T-I/PT Description: IC MCU 16BIT 64KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: PIC32-PINGUINO-MICRO Description: MICROCHIP PIC32MX440 BOARD	Manufacturers: Olimex	RFQ
	Part#: PIC32MK0512GPD100-I/PT Description: IC MCU 32BIT 512KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: PIC24HJ64GP510AT-I/PF Description: IC MCU 16BIT 64KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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