

MK40DX64VMB7



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Part Number: [MK40DX64VMB7](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 64KB FLASH 81MAPBGA

Data sheet:  [K40 Family Fact Sheet](#)
 [K40 系列产品概述](#)

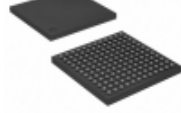
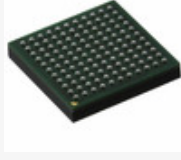
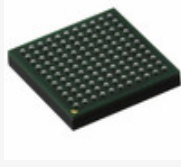
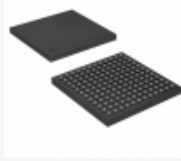
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK40DX64VMB7	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 64KB FLASH 81MAPBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4370 pcs	Data sheet	K40 Family Fact Sheet K40 系列产品概述
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	81-MAPBGA (10x10)	Speed	72MHz
Series	Kinetis K40	RAM Size	16K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (64K x 8)
Peripherals	DMA, PS, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	81-LBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	52
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	2K x 8	Detailed Description	ARM® Cortex®-M4 Kinetis K40 Microcontroller IC 32-Bit 72MHz 64KB (64K x 8) FLASH 81-MAPBGA (10x10)
Data Converters	A/D 20x16b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, I²C, IrDA, SPI, UART/USART, USB, USB OTG
Base Part Number	MK40DX64		
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	Part#: MK40DX64VMC7 Description: IC MCU 32BIT 64KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK40DX256VML7 Description: IC MCU 32BIT 256KB FLASH 104BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK40DX256VMC7 Description: IC MCU 32BIT 256KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK4220FE-R52 Description: RES 422 OHM 1/4W 1% AXIAL	Manufacturers: Ohmite	RFQ
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	Part#: MK40DX64VLK7 Description: IC MCU 32BIT 64KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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