

MK10DX256VMB7



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Part Number: [MK10DX256VMB7](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 81BGA

Data sheet:  [K10_LK/MB7 Datasheet](#)
 [K10 Family Fact Sheet](#)

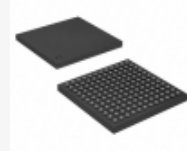
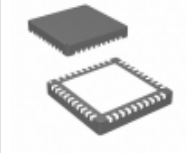
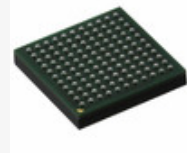
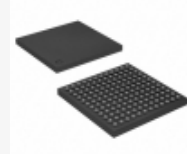
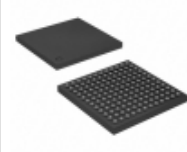
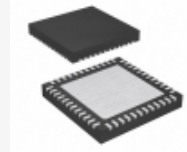
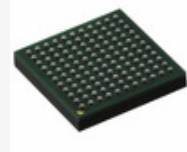
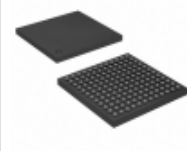
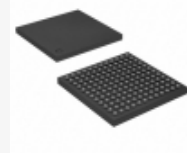
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK10DX256VMB7	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 81BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4625 pcs	Data sheet	K10_LK/MB7 Datasheet K10 Family Fact Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	81-MAPBGA (10x10)	Speed	72MHz
Series	Kinetis K10	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	81-LBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 105°C (TA)	Number of I/O	57
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 K10 Microcontroller IC 32-Bit 72MHz 256KB (256K x 8) FLASH 81-MAPBGA (10x10)
Data Converters	A/D 39x16b, D/A 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SPI, UART/USART
Base Part Number	MK10DX256		
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