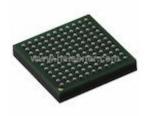




MK10DX64VMC7 Information



For Reference Only

Part Number MK10DX64VMC7

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 32BIT 64KB FLASH 121BGA

Package 121-LFBGA

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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MK10DX64VMC7 Specifications

Manufacturer Part Number MK10DX64VMC7 Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 121-LFBGA Series Kinetis K10 Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 72MHz Connectivity CAN, EBI/EMI, 12C, IrDA, SPI, UART/USART Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 74 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-LFBGA Supplier Device Package 121-LFBGA	*		
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Series Kinetis K10 Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 72MHz Connectivity CAN, EBI/EMI, 12C, IrDA, SPI, UART/USART Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 74 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)		Embedded - Microcontrollers	
Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 72MHz Connectivity CAN, EBI/EMI, 12C, IrDA, SPI, UART/USART Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 74 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Package	121-LFBGA	
Core Size 32-Bit Speed 72MHz Connectivity CAN, EBI/EMI, 12C, IrDA, SPI, UART/USART Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 74 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Series	Kinetis K10	
Speed72MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SPI, UART/USARTPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O74Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size16K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 39x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-LFBGASupplier Device Package121-MAPBGA (8x8)	Core Processor	ARM? Cortex?-M4	
Connectivity CAN, EBI/EMI, I2C, IrDA, SPI, UART/USART Peripherals DMA, I2S, LVD, POR, PWM, WDT Number of I/O 74 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Core Size	32-Bit	
Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 74 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Speed	72MHz	
Number of I/O Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Connectivity	CAN, EBI/EMI, I2C, IrDA, SPI, UART/USART	
Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Peripherals	DMA, I2S, LVD, POR, PWM, WDT	
Program Memory Type FLASH EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Number of I/O	74	
EEPROM Size 2K x 8 RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Program Memory Size	64KB (64K x 8)	
RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	EEPROM Size	2K x 8	
Data Converters A/D 39x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	RAM Size	16K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V	
Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Data Converters	A/D 39x16b, D/A 1x12b	
Mounting Type - Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Oscillator Type	Internal	
Package / Case 121-LFBGA Supplier Device Package 121-MAPBGA (8x8)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package 121-MAPBGA (8x8)	Mounting Type	-	
	Package / Case	121-LFBGA	
Report errors?	Supplier Device Package	121-MAPBGA (8x8)	
			Report errors?

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Service Guarantees

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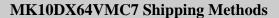
























If you have any question about MK10DX64VMC7, please do not hesitate to contact us!

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