

## MK10DX128VLK7R

#### MK10DX128VLK7R Information

Part Number MK10DX128VLK7R Manufacturer NXP

> Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description** IC MCU 32BIT 128KB FLASH 80LQFP

Package

For the pricing/inventory/lead time, please contact

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



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### MK10DX128VLK7R Specifications

Manufacturer Part Number         MK10DX128VLK7R           Manufacturer         NXP           Category         Integrated Circuits (ICs)           Embedded - Microcontrollers           Package         80-LQFP           Series         Kinetis K10           Core Processor         ARM? Cortex?-M4           Core Size         32-Bit           Speed         72MHz           Connectivity         CAN, EBI/EMI, I2C, IrDA, SPI, UART/USART           Peripherals         DMA, I2S, LVD, POR, PWM, WDT           Number of I/O         56           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.71 V ~ 3.6 V           Data Converters         A/D 31x16b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         80-LQFP           Supplier Device Package         80-LQFP (12x12)	•		
Category         Integrated Circuits (ICs)           Package         80-LQFP           Scries         Kinetis K10           Core Processor         ARM? Cortex?-M4           Core Size         32-Bit           Speed         72MHz           Connectivity         CAN, EBI/EMI, I2C, IrDA, SPI, UART/USART           Peripherals         DMA, 12S, LVD, POR, PWM, WDT           Number of I/O         56           Program Memory Size         128KB (128K x 8)           Program Memory Type         FLASH           EEPROM Size         2K x 8           RAM Size         32K x 8           Voltage - Supply (Vcc/Vdd)         1.71 V ~ 3.6 V           Data Converters         A/D 31x16b, D/A 1x12b           Oscillator Type         Internal           Operating Temperature         -40°C ~ 105°C (TA)           Mounting Type         -           Package / Case         80-LQFP           Supplier Device Package         80-LQFP (12x12)	Manufacturer Part Number	MK10DX128VLK7R	
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Speed72MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SPI, UART/USARTPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O56Program Memory Size128KB (128K x 8)Program Memory TypeFLASHEEPROM Size2K x 8RAM Size32K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 31x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case80-LQFPSupplier Device Package80-LQFP (12x12)	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 56 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size 2K x 8  RAM Size 32K x 8  Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V  Data Converters A/D 31x16b, D/A 1x12b  Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 80-LQFP  Supplier Device Package 80-LQFP (12x12)	Core Size	32-Bit	
Peripherals  DMA, 12S, LVD, POR, PWM, WDT  Number of I/O  56  Program Memory Size  128KB (128K x 8)  Program Memory Type  FLASH  EEPROM Size  2K x 8  RAM Size  32K x 8  Voltage - Supply (Vcc/Vdd)  1.71 V ~ 3.6 V  Data Converters  A/D 31x16b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  -  Package / Case  Supplier Device Package  80-LQFP (12x12)	Speed	72MHz	
Number of I/O  Program Memory Size  128KB (128K x 8)  Program Memory Type  FLASH  EEPROM Size  2K x 8  RAM Size  32K x 8  Voltage - Supply (Vcc/Vdd)  1.71 V ~ 3.6 V  Data Converters  A/D 31x16b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  80-LQFP  Supplier Device Package  80-LQFP (12x12)	Connectivity	CAN, EBI/EMI, I2C, IrDA, SPI, UART/USART	
Program Memory Size  Program Memory Type  FLASH  EEPROM Size  2K x 8  RAM Size  32K x 8  Voltage - Supply (Vcc/Vdd)  1.71 V ~ 3.6 V  Data Converters  A/D 31x16b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  80-LQFP  Supplier Device Package  80-LQFP (12x12)	Peripherals	DMA, I2S, LVD, POR, PWM, WDT	
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Voltage - Supply (Vcc/Vdd) $1.71 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 31x16b$ , $D/A 1x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case $80\text{-LQFP}$ Supplier Device Package $80\text{-LQFP} (12x12)$	EEPROM Size	2K x 8	
Data Converters  A/D 31x16b, D/A 1x12b  Oscillator Type  Internal  Operating Temperature  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  80-LQFP  Supplier Device Package  80-LQFP (12x12)	RAM Size	32K x 8	
Oscillator Type  Internal  -40°C ~ 105°C (TA)  Mounting Type  - Package / Case  80-LQFP  Supplier Device Package  80-LQFP (12x12)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V	
Operating Temperature -40°C ~ 105°C (TA)  Mounting Type - Package / Case 80-LQFP  Supplier Device Package 80-LQFP (12x12)	Data Converters	A/D 31x16b, D/A 1x12b	
Mounting Type - Package / Case 80-LQFP Supplier Device Package 80-LQFP (12x12)	Oscillator Type	Internal	
Package / Case 80-LQFP Supplier Device Package 80-LQFP (12x12)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package 80-LQFP (12x12)	Mounting Type	-	
	Package / Case	80-LQFP	
Report errors?	Supplier Device Package	80-LQFP (12x12)	
			Report errors?

#### MK10DX128VLK7R Guarantees



#### **Quality Guarantees**

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#### **Service Guarantees**

We guarantee 100% customer satisfaction.

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### MK10DX128VLK7R Payment Methods



















### MK10DX128VLK7R Shipping Methods













If you have any question about MK10DX128VLK7R, please do not hesitate to contact us!

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