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See specifications for product details.



MK10DN128VLH5

Manufacturer Part Number	MK10DN128VLH5
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MK10DN128VLH5
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	K10 Family Fact Sheet.pdf K10_LH/MP5 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MK10DN128VLH5 - NXP USA Inc..New Original in Stock. Download Linear Technology MK10DN128VLH5 datasheet/specifications on AllelcoElec.com.
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Specifications

MK10DN128VLH5 Tech Specifications

MK10DN128VLH5 - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	44
Speed	50MHz	Mounting Type	Surface Mount
Series	Kinetis K10	EEPROM Size	-
RAM Size	16K x 8	Data Converters	A/D 19x16b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I²S, LVD, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART
Package / Case	64-LQFP	Base Product Number	MK10DN128
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MK10DN128VLH5

Product Attribute				
Part Number	MK10DN128VLH5	MK10DN32VLF5	MK10DN512VMD10	MK10DN512VLK10
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	128KB (128K x 8)	32KB (32K x 8)	512KB (512K x 8)	512KB (512K x 8)
Package / Case	64-LQFP	48-LQFP	144-LBGA	80-LQFP
RAM Size	16K x 8	8K x 8	128K x 8	128K x 8
Number of I/O	44	33	104	56
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	Kinetis K10	Kinetis K10	Kinetis K10	Kinetis K10
Peripherals	DMA, I²S, LVD, POR, PWM, WDT	DMA, I²S, LVD, POR, PWM, WDT	DMA, I²S, LVD, POR, PWM, WDT	DMA, I²S, LVD, POR, PWM, WDT
Supplier Device Package	64-LQFP (10x10)	48-LQFP (7x7)	144-MAPBGA (13x13)	80-FQFP (12x12)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Package	Tray	Tray	Tray	Tray
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART	CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART
Base Product Number	MK10DN128	MK10DN32	MK10DN512	MK10DN512
Data Converters	A/D 19x16b	A/D 16x16b	A/D 46x16b; D/A 2x12b	A/D 31x16b; D/A 1x12b
Speed	50MHz	50MHz	100MHz	100MHz

MK10DN128VLH5 Datasheet PDF

Download MK10DN128VLH5 pdf datasheets and NXP USA Inc. documentation for MK10DN128VLH5 - NXP USA Inc..

Datasheets

[K10_LH/MP5 Datasheet.pdf](#)

Environmental Information

[NXP USA Inc REACH.pdf](#)

[NXP USA Inc RoHS Cert.pdf](#)

PCN Packaging

 Mult Dev Pkg Seal 15/Dec/2020.pdf

 Mult Dev Pkg Chgs 8/Feb/2022.pdf

PCN Assembly/Origin



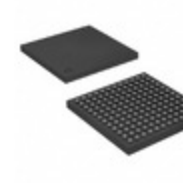

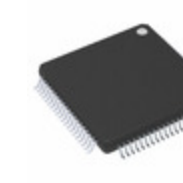
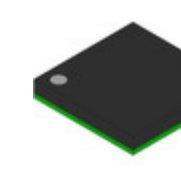


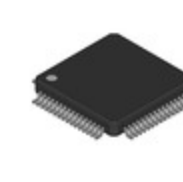


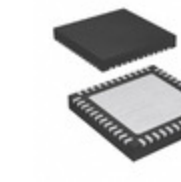

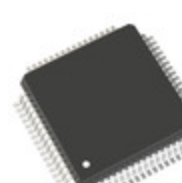

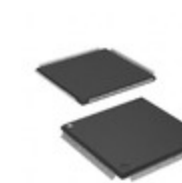


 2.73KHz.pdf

HTML Datasheet

 K10 Family Fact Sheet.pdf

Customers Also Interested in

Recommended Products

					
MK10DN32VLF5 NXP USA Inc. IC MCU 32BIT 32KB FLASH 48LQFP	MK10DN512V10 Freescale / NXP Semiconductors	MK10DN512VMD10 NXP USA Inc. IC MCU 32B 512KB FLASH 144MAPBGA	MK1060GSC TAEC Product (Toshiba Electronic Devices and Stora	MK10DN512VLLK10 NXP USA Inc. IC MCU 32BIT 512KB FLASH 80FQFP	MK10DN512VMC10 Freescale Semiconductor IC MCU 32B 512KB FLASH 121MAPBGA
					
MK10DN32VFM5 NXP USA Inc. IC MCU 32BIT 32KB FLASH 32QFN	MK10DN512VMC10 NXP USA Inc. IC MCU 32B 512KB FLASH 121MAPBGA	MK10DN128VLH5 Freescale Semiconductor IC MCU 32BIT 128KB FLASH 64LQFP	MK10DN32VLH5 Freescale Semiconductor IC MCU 32BIT 32KB FLASH 64LQFP	MK10DN512VLL10 NXP USA Inc. IC MCU 32BIT 512KB FLASH 100LQFP	MK10DN128VFT5 NXP USA Inc. IC MCU 32BIT 128KB FLASH 48QFN
					
MK10DN512ZVLL10 NXP USA Inc. IC MCU 32BIT 512KB FLASH 100LQFP	MK10DN32VLH5 NXP USA Inc. IC MCU 32BIT 32KB FLASH 64LQFP	MK10DN128VLF5 NXP USA Inc. IC MCU 32BIT 128KB FLASH 48LQFP	MK10DN512VLQ10 NXP USA Inc. IC MCU 32BIT 512KB FLASH 144LQFP	MK10DN512ZVLK10 NXP USA Inc. IC MCU 32BIT 512KB FLASH 80FQFP	MK10DN512ZAB10R Freescale Semiconductor KINETIS K10, MIXED-SIGNAL MCU BA

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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