



MK60DN256ZVLL10

Manufacturer Part Number	MK60DN256ZVLL10
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MK60DN256ZVLL10
ECAD Model	 Request Free CAD Models
Parts Description	IC MCU 32BIT 256KB FLASH 100LQFP
Package	100-LQFP
Data sheet	K6x Family Fact Sheet.pdf
RoHs Status	 ROHS3 Compliant


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MK60DN256ZVLL10 - NXP USA Inc..New Original in Stock. Download Linear Technology MK60DN256ZVLL10 datasheet/specifications on AllelcoElec.com.

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Specifications





MK60DN256ZVLL10 Tech Specifications

MK60DN256ZVLL10 - 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	100-LQFP (14x14)	Number of I/O	66
Speed	100MHz	Mounting Type	Surface Mount
Series	Kinetis K60	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 33x16b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I²S, LVD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Package / Case	100-LQFP	Base Product Number	MK60DN256
Package	Tray		

Parts with Similar Specifications


The three parts on the right have similar specifications to NXP USA Inc. MK60DN256ZVLL10

Product Attribute	 NO PICTURE			
Part Number	MK60DN256ZVLL10	MK60DN512ZVLQ10	MK60DN512VLL10R	MK60DN256VLQ10
Manufacturer	NXP USA Inc.	Freescle Semiconductor	NXP USA Inc.	NXP USA Inc.
Series	Kinetis K60	Kinetis K60	Kinetis K60	Kinetis K60
Program Memory Size	256KB (256K x 8)	512KB (512K x 8)	512KB (512K x 8)	256KB (256K x 8)
Speed	100MHz	100MHz	100MHz	100MHz
Package / Case	100-LQFP	144-LQFP	100-LQFP	144-LQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
EEPROM Size	-	-	-	-
Data Converters	A/D 33x16b; D/A 1x12b	A/D 42x16b; D/A 2x12b	A/D 33x16b; D/A 1x12b	A/D 42x16b; D/A 2x12b
Oscillator Type	Internal	Internal	Internal	Internal
Package	Tray	Tray	Tape & Reel (TR)	Tray
Base Product Number	MK60DN256	MK60DN512	MK60DN512	MK60DN256
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
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Supplier Device Package	100-LQFP (14x14)	144-LQFP (20x20)	100-LQFP (14x14)	144-LQFP (20x20)
RAM Size	64K x 8	128K x 8	128K x 8	64K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, EBI/EMI, Ethernet, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, Ethernet, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Number of I/O	66	100	66	100


MK60DN256ZVLL10 Datasheet PDF


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Datasheets



[K6x Family Fact Sheet.pdf](#)


PCN Packaging


[All Dev Label Update 15/Dec/2020.pdf](#)


[Mult Dev Pkg Seal 15/Dec/2020.pdf](#)

Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Design/Specification

 Mult Dev 25/May/2020.pdf

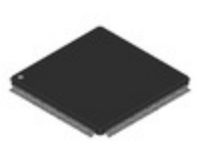

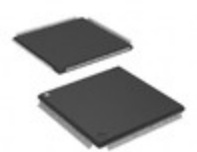


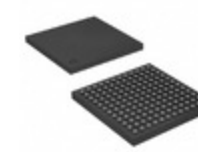
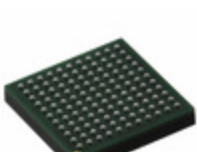
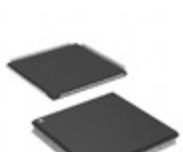


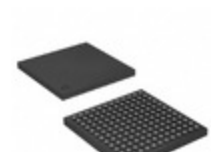

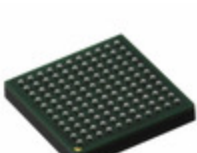
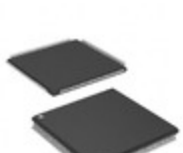




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Shipment

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 Allelco 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,
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