



MK20DX128VLL7

Manufacturer Part Number	MK20DX128VLL7
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MK20DX128VLL7
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 128KB FLASH 100LQFP
Package	100-LQFP
Data sheet	K2x USB MCU Family Fact Sheet.pdf K20_LL/MC7 Datasheet.pdf K20_LL/MC7 Ref Manual.pdf
RoHS Status	 ROHS3 Compliant



MK20DX128VLL7 - NXP USA Inc..New Original in Stock. Download Linear Technology MK20DX128VLL7 datasheet/specifications on AllelcoElec.com.
 Request a quote for MK20DX128VLL7, please send us email: info@allelco.com

Specifications




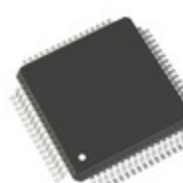
MK20DX128VLL7 Tech Specifications

MK20DX128VLL7 - 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	72MHz	Mounting Type	Surface Mount
Series	Kinetis K20	EEPROM Size	2K x 8
RAM Size	32K x 8	Data Converters	A/D 33x16b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SPI, UART/USART, USB, USB OTG
Package / Case	100-LQFP	Base Product Number	MK20DX128
Package	Tray		

Parts with Similar Specifications


The three parts on the right have similar specifications to NXP USA Inc. MK20DX128VLL7


Product Attribute	 NO PICTURE			
Part Number	MK20DX128VLL7	MK20DX128ZVLQ10	MK20DX256VLH7	MK20DN64VLH5
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Number of I/O	66	100	40	40
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	2K x 8	4K x 8	2K x 8	-
Data Converters	A/D 33x16b; D/A 1x12b	A/D 42x16b; D/A 2x12b	A/D 24x16b; D/A 1x12b	A/D 13x16b
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	DMA, I ² S, LVD, POR, PWM, WDT	DMA, I ² S, LVD, POR, PWM, WDT	DMA, I ² S, LVD, POR, PWM, WDT
Base Product Number	MK20DX128	MK20DX128	MK20DX256	MK20DN64
Package / Case	100-LQFP	144-LQFP	64-LQFP	64-LQFP
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, SD, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, SPI, UART/USART, USB, USB OTG	I ² C, IrDA, SPI, UART/USART, USB, USB OTG
Speed	72MHz	100MHz	72MHz	50MHz
RAM Size	32K x 8	32K x 8	64K x 8	16K x 8
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	256KB (256K x 8)	64KB (64K x 8)
Package	Tray	Bulk	Tray	Tray
Series	Kinetis K20	Kinetis K20	Kinetis K20	Kinetis K20
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
Supplier Device Package	100-LQFP (14x14)	144-LQFP (20x20)	64-LQFP (10x10)	64-LQFP (10x10)
Oscillator Type	Internal	Internal	Internal	Internal


MK20DX128VLL7 Datasheet PDF

Download MK20DX128VLL7 pdf datasheets and NXP USA Inc. documentation for MK20DX128VLL7 - NXP USA Inc..

Datasheets

 [K2x USB MCU Family Fact Sheet.pdf](#)

 [K20_LL/MC7 Datasheet.pdf](#)

 [K20_LL/MC7 Ref Manual.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

PCN Assembly/Origin

2.73KHz.pdf

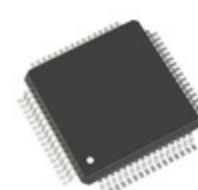
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Recommended Products



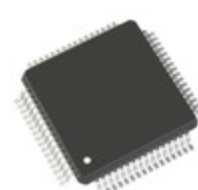
MK20DX128ZVLQ10

Freescale Semiconductor
IC MCU 32BIT 128KB FLASH 144LQFP



MK20DX256VLH7

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 64LQFP



MK20DN64VLH5

NXP USA Inc.
IC MCU 32BIT 64KB FLASH 64LQFP



MK20DX256V7

Freescale / NXP Semiconductors



MK20DX256VLK7

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 80FQFP



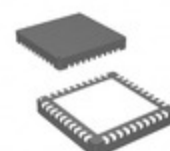
MK20DX256VLK10

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 80FQFP



MK20DN64VMP5

NXP USA Inc.
IC MCU 32BIT 64KB FLASH 64MAPBGA



MK20DX128VFM5

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 32QFN



MK20DX128VLH7

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 64LQFP



MK20DX128VLK7

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 80FQFP



MK20DX128VLF5

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 48LQFP



MK20DX128ZVLQ10

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 144LQFP



MK20DX128VMP5

NXP USA Inc.
IC MCU 32BIT 128KB FLSH 64MAPBGA



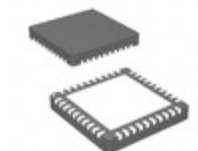
MK20DX256VLK7R

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 80FQFP



MK20DX128VLH5

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 64LQFP



MK20DN64VFM5

NXP USA Inc.
IC MCU 32BIT 64KB FLASH 32QFN



MK20DX256V10

Freescale / NXP Semiconductors



MK20DX128vfm510pcs

Freescale / NXP Semiconductors

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, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Alleco.com

