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See specifications for product details.



MK20DX256VLK10

Manufacturer Part Number	MK20DX256VLK10
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MK20DX256VLK10
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 80FQFP
Package	80-LQFP
Data sheet	K20_LK/MB10 Ref Manual.pdf K20_LK10 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MK20DX256VLK10 - NXP USA Inc..New Original in Stock. Download Linear Technology MK20DX256VLK10 datasheet/specifications on AllelcoElec.com.
Request a quote for MK20DX256VLK10, please send us email: info@allelco.com

Specifications

MK20DX256VLK10 Tech Specifications

MK20DX256VLK10 - 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	80-FQFP (12x12)	Number of I/O	52
Speed	100MHz	Mounting Type	Surface Mount
Series	Kinetis K20	EEPROM Size	4K x 8
RAM Size	64K x 8	Data Converters	A/D 27x16b; 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, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Package / Case	80-LQFP	Base Product Number	MK20DX256
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MK20DX256VLK10

Product Attribute				
Part Number	MK20DX256VLK10	MK20DX256VLL7	MK20DX256VLK7	MK20DX256VLL10
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Supplier Device Package	80-FQFP (12x12)	100-LQFP (14x14)	80-FQFP (12x12)	100-LQFP (14x14)
EEPROM Size	4K x 8	2K x 8	2K x 8	4K x 8
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
Connectivity	CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, I²C, IrDA, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, I²C, IrDA, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG
Number of I/O	52	66	52	66
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
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)
Package / Case	80-LQFP	100-LQFP	80-LQFP	100-LQFP
Package	Tray	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
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)
Speed	100MHz	72MHz	72MHz	100MHz
Data Converters	A/D 27x16b; D/A 1x12b	A/D 33x16b; D/A 1x12b	A/D 29x16b; D/A 1x12b	A/D 33x16b; D/A 1x12b
Base Product Number	MK20DX256	MK20DX256	MK20DX256	MK20DX256
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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

MK20DX256VLK10 Datasheet PDF

Download MK20DX256VLK10 pdf datasheets and NXP USA Inc. documentation for MK20DX256VLK10 - NXP USA Inc..

Datasheets

[K20_LK/MB10 Ref Manual.pdf](#)

[K20_LK10 Datasheet.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 Assembly/Origin

Mult Dev Site Chgs 18/Dec/2020.pdf

Assembly Site 05/Oct/2022.pdf

PCN Design/Specification

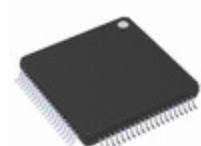
Mult Dev 25/May/2020.pdf

Errata

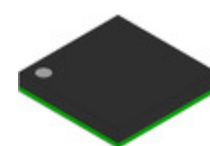
5N22D Mask Set Errata.pdf

Customers Also Interested in

Recommended Products



MK20DX256VLL7
NXP USA Inc.
IC MCU 32BIT 256KB FLASH 100LQFP



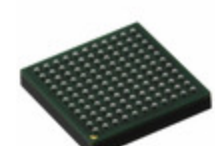
MK20DX256VLC7
NXP USA Inc.
IC MCU 32BIT 256KB FLASH 100LQFP



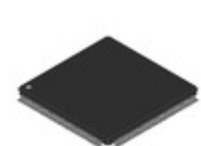
MK20DX256VLQ10R
NXP USA Inc.
IC MCU 32BIT 256KB FLASH 144LQFP



MK20DX256V10
Freescale / NXP Semiconductors



MK20DX256VMC7
NXP USA Inc.
IC MCU 32B 256KB FLASH 121MAPBGA



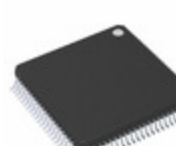
MK20DX128ZVLQ10
Freescale Semiconductor
IC MCU 32BIT 128KB FLASH 144LQFP



MK20DX128VLH7
NXP USA Inc.
IC MCU 32BIT 128KB FLASH 64LQFP



MK20DX256VLH7
NXP USA Inc.
IC MCU 32BIT 256KB FLASH 64LQFP



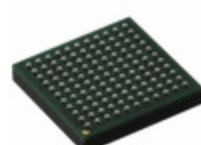
MK20DX256VLK7R
NXP USA Inc.
IC MCU 32BIT 256KB FLASH 80FQFP



MK20DX128VMP5
NXP USA Inc.
IC MCU 32BIT 128KB FLASH 64MAPBGA



MK20DX128VLK7
NXP USA Inc.
IC MCU 32BIT 128KB FLASH 80FQFP



MK20DX256VMC10
NXP USA Inc.
IC MCU 32B 256KB FLASH 121MAPBGA



MK20DX128VLL7
NXP USA Inc.
IC MCU 32BIT 128KB FLASH 100LQFP



MK20DX256VLQ10
NXP USA Inc.
IC MCU 32BIT 256KB FLASH 144LQFP



MK20DX256V7
Freescale / NXP Semiconductors



MK20DX128ZVLQ10
NXP USA Inc.
IC MCU 32BIT 128KB FLASH 144LQFP

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



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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