

Image may be representation.
See specifications for product details.



MK22FN256VLH12

Manufacturer Part Number	MK22FN256VLH12
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MK22FN256VLH12
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 64LQFP
Package	64-LQFP
Data sheet	MK22FN256Vzzz12.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MK22FN256VLH12 - NXP USA Inc..New Original in Stock. Download Linear Technology MK22FN256VLH12 datasheet/specifications on AllelcoElec.com. Request a quote for MK22FN256VLH12, please send us email: info@allelco.com

Specifications

MK22FN256VLH12 Tech Specifications

MK22FN256VLH12 - 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	40
Speed	120MHz	Mounting Type	Surface Mount
Series	Kinetis K20	EEPROM Size	-
RAM Size	48K x 8	Data Converters	A/D 22x16b; 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	I²C, IrDA, SPI, UART/USART, USB, USB OTG
Package / Case	64-LQFP	Base Product Number	MK22FN256
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MK22FN256VLH12

Product Attribute				
Part Number	MK22FN256VLH12	MK22FN512VDC12	MK22FN1M0VLQ12	MK22FN512VFX12R
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Supplier Device Package	64-LQFP (10x10)	121-XFBGA (8x8)	144-LQFP (20x20)	88-QFN (10x10)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	MK22FN256	MK22FN512	MK22FN1M0	MK22FN512
Package / Case	64-LQFP	121-XFBGA	144-LQFP	88-VFQFN Exposed Pad
Data Converters	A/D 22x16b; D/A 1x12b	A/D 38x16b; D/A 2x12b	A/D 42x16b; D/A 2x12b	A/D 2x16b; D/A 1x12b
Package	Tray	Tray	Tray	Tape & Reel (TR)
Program Memory Size	256KB (256K x 8)	512KB (512K x 8)	1MB (1M x 8)	512KB (512K x 8)
Speed	120MHz	120MHz	120MHz	120MHz
EEPROM Size	-	-	-	-
Series	Kinetis K20	Kinetis K20	Kinetis K20	Kinetis K20
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	48K x 8	128K x 8	128K x 8	128K x 8
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
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
Number of I/O	40	81	100	60
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I²C, IrDA, SPI, UART/USART, USB, USB OTG	I²C, IrDA, SPI, UART/USART, USB, USB OTG	CANbus, EBI/EMI, I²C, IrDA, SPI, UART/USART, USB, USB OTG	I²C, IrDA, SPI, UART/USART, USB, USB OTG
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)

MK22FN256VLH12 Datasheet PDF

Download MK22FN256VLH12 pdf datasheets and NXP USA Inc. documentation for MK22FN256VLH12 - NXP USA Inc..

Datasheets

[MK22FN256Vzzz12.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

Product Brief



HSEC8 Design Qualification Test Report.pdf

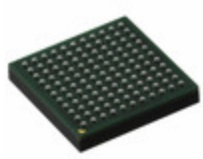
Manuals



MK22FN256Vyy12 Ref Manual.pdf

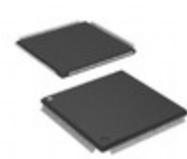
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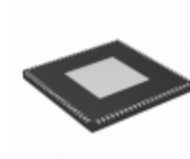
MK22FN512VDC12

NXP USA Inc.
IC MCU 32BIT 512KB FLSH
121XFBGA



MK22FN1M0VLQ12

NXP USA Inc.
IC MCU 32BIT 1MB FLASH 144LQFP



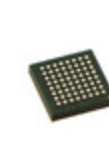
MK22FN512VFX12R

NXP USA Inc.
IC MCU 32BIT 512KB FLASH 88QFN



MK22FN1MOV12

Freescale / NXP Semiconductors



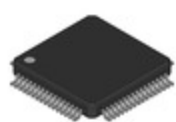
MK22FN512VMP12

NXP USA Inc.
IC MCU 32BIT 512KB FLSH
64MAPBGA



MK22FN512VLH12

NXP USA Inc.
IC MCU 32BIT 512KB FLASH 64LQFP



MK22FN1M0VLH12

Freescale Semiconductor
IC MCU 32BIT 1MB FLASH 64LQFP



MK22FN512VLL12R

NXP USA Inc.
IC MCU 32BIT 512KB FLASH
100LQFP



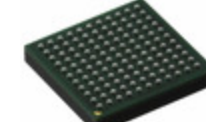
MK22FN256VLL12

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



MK22FN512CAP12R

NXP USA Inc.
IC MCU 32BIT 512KB FLASH
80WLCSP



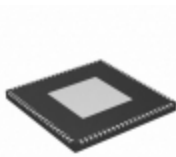
MK22FN512VDC12R

NXP USA Inc.
IC MCU 32BIT 512KB FLSH
121XFBGA



MK22FN256CAP12R

Freescale Semiconductor
IC MCU 32BIT 256KB FLASH
80WLCSP



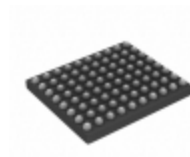
MK22FN512VFX12

NXP USA Inc.
IC MCU 32BIT 512KB FLASH 88QFN



MK22FN1M0VLK12

NXP USA Inc.
IC MCU 32BIT 1MB FLASH 80FQFP



MK22FN256CAP12R

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



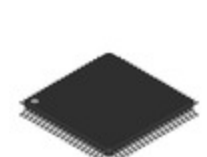
MK22FN1M0VLL12

NXP USA Inc.
IC MCU 32BIT 1MB FLASH 100LQFP



MK22FN512VLL12

NXP USA Inc.
IC MCU 32BIT 512KB FLASH
100LQFP



MK22FN1M0VLK12

Freescale Semiconductor
IC MCU 32BIT 1MB FLASH 80FQFP

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.



Your Faithful Supply Chain Partner -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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+00852 9146 4856



Email

info@alleco.com

Certifications & Memberships



View More

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