



FS32K144HFTOMLLR

Manufacturer Part Number	FS32K144HFTOMLLR
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-FS32K144HFTOMLLR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 512KB FLASH 100LQFP
Package	100-LQFP
Data sheet	S32K1xx.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FS32K144HFTOMLLR - NXP USA Inc..New Original in Stock. Download Linear Technology FS32K144HFTOMLLR datasheet/specifications on AllelcoElec.com.
Request a quote for FS32K144HFTOMLLR, please send us email: info@allelco.com

Specifications

FS32K144HFTOMLLR Tech Specifications
FS32K144HFTOMLLR - 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)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	89
Speed	80MHz	Mounting Type	Surface Mount
Series	S32K	EEPROM Size	4K x 8
RAM Size	64K x 8	Data Converters	A/D 16x12b SAR; D/A1x8b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M4F
Peripherals	POR, PWM, WDT	Connectivity	CANbus, FlexIO, I ² C, LINbus, SPI, UART/USART
Package / Case	100-LQFP	Base Product Number	FS32K144
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. FS32K144HFTOMLLR

Product Attribute				
Part Number	FS32K144HFTOMLLR	FS32K144HAT0VLHT	FS32K144HFTOMLHT	FS32K144HAT0VLLT
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Package / Case	100-LQFP	64-LQFP	64-LQFP	100-LQFP
Peripherals	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT
Connectivity	CANbus, FlexIO, I ² C, LINbus, SPI, UART/USART	CANbus, FlexIO, I ² C, LINbus, SPI, UART/USART	CANbus, FlexIO, I ² C, LINbus, SPI, UART/USART	CANbus, FlexIO, I ² C, LINbus, SPI, UART/USART
Program Memory Size	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
Number of I/O	89	58	58	89
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tape & Reel (TR)	Tray	Tray	Tray
Series	S32K	S32K	S32K	S32K
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	ARM® Cortex®-M4F	ARM® Cortex®-M4F	ARM® Cortex®-M4F	ARM® Cortex®-M4F
Data Converters	A/D 16x12b SAR; D/A1x8b	A/D 16x12b SAR; D/A1x8b	A/D 16x12b SAR; D/A1x8b	A/D 16x12b SAR; D/A1x8b
Supplier Device Package	100-LQFP (14x14)	64-LQFP (10x10)	64-LQFP (10x10)	100-LQFP (14x14)
Oscillator Type	Internal	Internal	Internal	Internal
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
Speed	80MHz	80MHz	80MHz	80MHz
Base Product Number	FS32K144	FS32K144	FS32K144	FS32K144

FS32K144HFTOMLLR Datasheet PDF

Download FS32K144HFTOMLLR pdf datasheets and NXP USA Inc. documentation for FS32K144HFTOMLLR - NXP USA Inc..

Datasheets

S32K1xx.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



S32K1xx 18/Nov/2021.pdf

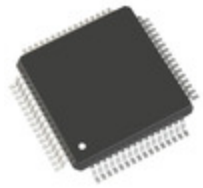
PCN Assembly/Origin



Mult Dev Test Chgs 22/Dec/2021.pdf

Customers Also Interested in

Recommended Products



FS32K144HAT0VLHT
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 64LQFP



FS32K144HFTOMLL
Freescale / NXP Semiconductors



FS32K144HFTOMLHT
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 64LQFP



FS32K144HAT0VLLT
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 100LQFP



FS32K144HFT0VLLT
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 100LQFP



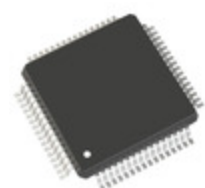
FS32K144HFVLH
Freescale / NXP Semiconductors



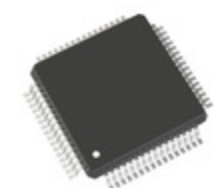
FS32K144HFVLL
Freescale / NXP Semiconductors



FS32K144HFTOMLH
Freescale / NXP Semiconductors



FS32K144HFTOMLHR
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 64LQFP



FS32K144HFT0VLHT
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 64LQFP



FS32K144HFT0VMHR
NXP USA Inc.
IC MCU 32B 512KB FLASH 100MAPBGA



FS32K144HAVLH
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FS32K144HFTOMLFR
NXP USA Inc.
S32K144 32-BIT MCU, ARM CORTEX-M



FS32K144HFT0VLFT
NXP USA Inc.
S32K144 32-BIT MCU, ARM CORTEX-M



FS32K144HFMLL
Freescale / NXP Semiconductors



FS32K144HFT0MLLT
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 100LQFP



FS32K144HAT0VLLR
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 100LQFP



FS32K144HFT0VLLR
NXP USA Inc.
IC MCU 32BIT 512KB FLASH 100LQFP

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.



Phone

+00852 9146 4856



Email

info@alleco.com

Certifications & Memberships



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