

Image may be representation.
See specifications for product details.



FS32K118LAT0MLFT

Manufacturer Part Number **FS32K118LAT0MLFT**

Manufacturer **NXP Semiconductors**

Allelco Part Number **32D-FS32K118LAT0MLFT**

ECAD Model Request Free CAD Models

Parts Description **IC MCU 32BIT 256KB FLASH 48LQFP**

Package **48-LQFP**

Data sheet **S32K1xx.pdf**

S32K1xx Series Reference Manual.pdf

S32K1xx Product Brief.pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

FS32K118LAT0MLFT - NXP USA Inc..New Original in Stock. Download Linear Technology FS32K118LAT0MLFT datasheet/specifications on AllelcoElec.com.
Request a quote for FS32K118LAT0MLFT, please send us email: info@allelco.com

Specifications

FS32K118LAT0MLFT Tech Specifications

FS32K118LAT0MLFT - 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	48-LQFP (7x7)	Number of I/O	43
Speed	48MHz	Mounting Type	Surface Mount
Series	S32K	EEPROM Size	2K x 8
RAM Size	25K x 8	Data Converters	A/D 16x12b SAR; D/A1x8b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	DMA, PWM, WDT	Connectivity	CANbus, FlexIO, I ² C, LINbus, SPI, UART/USART
Package / Case	48-LQFP	Base Product Number	FS32K118
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. FS32K118LAT0MLFT

Product Attribute				
Part Number	FS32K118LAT0MLFT	FS32K118LAT0MLFR	FS32K116LFT0VLFT	FS32K118LAT0MLHT
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Number of I/O	43	43	43	58
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
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
Peripherals	DMA, PWM, WDT	DMA, PWM, WDT	DMA, PWM, WDT	DMA, PWM, WDT
Data Converters	A/D 16x12b SAR; D/A1x8b	A/D 16x12b SAR; D/A1x8b	A/D 13x12b SAR; D/A 1x8b	A/D 16x12b SAR; D/A1x8b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Series	S32K	S32K	S32K	S32K
Speed	48MHz	48MHz	48MHz	48MHz
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
RAM Size	25K x 8	25K x 8	17K x 8	25K x 8
Base Product Number	FS32K118	FS32K118	FS32K116	FS32K118
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	48-LQFP	48-LQFP	48-LQFP	64-LQFP
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	128KB (128K x 8)	256KB (256K x 8)
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	48-LQFP (7x7)	48-LQFP (7x7)	48-LQFP (7x7)	64-LQFP (10x10)
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Package	Tray	Tape & Reel (TR)	Tray	Tray

FS32K118LAT0MLFT Datasheet PDF

Download FS32K118LAT0MLFT pdf datasheets and NXP USA Inc. documentation for FS32K118LAT0MLFT - NXP USA Inc..

Datasheets

- S32K1xx.pdf
- S32K1xx Series Reference Manual.pdf
- S32K1xx Product Brief.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 A/T Site 28/Apr/2021.pdf

PCN Design/Specification

S32K1xx 13/Mar/2020.pdf

S32K1xx 18/Nov/2021.pdf

Customers Also Interested in

Recommended Products



FS32K118LAT0MLFR

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 48LQFP



FS32K118LAT0MLF

Freescal / NXP Semiconductors



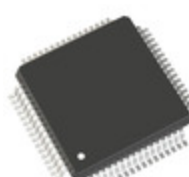
FS32K116LFT0VLFT

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



FS32K116LFV

FREESCA



FS32K118LAT0MLHT

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



FS32K116LIT0VLFT

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



FS32K118LFV

FREESCA



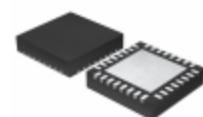
FS32K118LFT0VLFR

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 48LQFP



FS32K118BRC

FREESCA



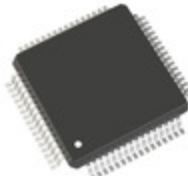
FS32K116LIT0VFMT

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



FS32K118LFT0MLFT

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 48LQFP



FS32K118LFT0MLHR

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



FS32K118LIT0VLFT

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 48LQFP



FS32K118LFT0VLHT

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



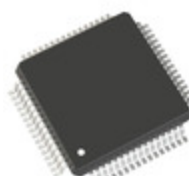
FS32K118LFT0MLHT

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



FS32K118LFT0VLFT

NXP USA Inc.
IC MCU 32BIT 256KB FLASH 48LQFP



FS32K118LAT0VLHT

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



FS32K116LIT0VLFR

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

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



View More

