

Image may be representation.
See specifications for product details.



FS32K116BRT0MFMR

Manufacturer Part Number	FS32K116BRT0MFMR
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-FS32K116BRT0MFMR
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 128KB FLASH 32HVQFN
Package	32-VFQFN Exposed Pad
Data sheet	FS32K116BRT0MFMR.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

FS32K116BRT0MFMR - NXP USA Inc..New Original in Stock. Download Linear Technology FS32K116BRT0MFMR datasheet/specifications on AllelcoElec.com.
Request a quote for FS32K116BRT0MFMR, please send us email: info@allelco.com

Specifications

FS32K116BRT0MFMR Tech Specifications
FS32K116BRT0MFMR - 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	32-HVQFN (5x5)	Number of I/O	28
Speed	48MHz	Mounting Type	Surface Mount
Series	S32K	EEPROM Size	2K x 8
RAM Size	17K x 8	Data Converters	A/D 13x12b SAR; D/A 1x8b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	DMA, PWM, WDT	Connectivity	CANbus, FlexIO, I ² C, LINbus, SPI, UART/USART
Package / Case	32-VFQFN Exposed Pad	Base Product Number	FS32K116
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. FS32K116BRT0MFMR

Product Attribute				
Part Number	FS32K116BRT0MFMR	FS32K116LAT0VLFT	FS32K116LAT0MFMFMT	FS32K116LFT0MLFR
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Base Product Number	FS32K116	FS32K116	FS32K116	FS32K116
Speed	48MHz	48MHz	48MHz	48MHz
Data Converters	A/D 13x12b SAR; D/A 1x8b	A/D 13x12b SAR; D/A 1x8b	A/D 13x12b SAR; D/A 1x8b	A/D 13x12b SAR; D/A 1x8b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	S32K	S32K	S32K	S32K
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	17K x 8	17K x 8	17K x 8	17K x 8
Supplier Device Package	32-HVQFN (5x5)	48-LQFP (7x7)	32-HVQFN (5x5)	48-LQFP (7x7)
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Number of I/O	28	43	28	43
Package / Case	32-VFQFN Exposed Pad	48-LQFP	32-VFQFN Exposed Pad	48-LQFP
Peripherals	DMA, PWM, WDT	DMA, PWM, WDT	DMA, PWM, WDT	DMA, PWM, WDT
Oscillator Type	Internal	Internal	Internal	Internal
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
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)	128KB (128K x 8)
EEPROM Size	2K x 8	2K x 8	2K x 8	2K x 8

FS32K116BRT0MFMR Datasheet PDF

Download FS32K116BRT0MFMR pdf datasheets and NXP USA Inc. documentation for FS32K116BRT0MFMR - NXP USA Inc..

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




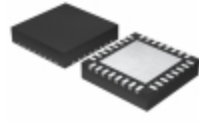











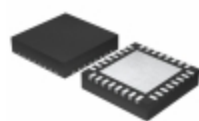


 Mult Dev A/T Site 28/Apr/2021.pdf

PCN Design/Specification

 S32K1xx 18/Nov/2021.pdf

Customers Also Interested in

Recommended Products

 NO PICTURE				 NO PICTURE	
FS326AJ-010 FORTUNE	FS32K116LAT0VLFT NXP USA Inc. IC MCU 32BIT 128KB FLASH 48LQFP	FS32F144HFTOMLLT Freescale / NXP Semiconductors	FS32K116LAT0MFMFMT NXP USA Inc. IC MCU 32BIT 128KB FLASH 32HVQFN	FS326CJ-013 FORTUNE	FS32K116LFT0MLFR NXP USA Inc. IC MCU 32BIT 128KB FLASH 48LQFP
 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE		 NO PICTURE
FS326D-010 FORTUNE	FS326A-009	FS326A-001	FS326E+G	FS32FK144UAT0VLLT Freescale / NXP Semiconductors	FS32K116LAM FREESCA
		 NO PICTURE		 NO PICTURE	
FS32K116LAT0MLFR NXP USA Inc. IC MCU 32BIT 128KB FLASH 48LQFP	FS32K116LAT0MFMR NXP USA Inc. S32K116 ARM CORTEX-M0+, 48 MHz,	FS326G+G FORTUNE	FS32K116LFT0MFMFMT NXP USA Inc. IC MCU 32BIT 128KB FLASH 32HVQFN	FS326F+G	FS32K116LAT0MLFT 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 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.



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