

FS32K142MRT0CLHR



Part Number: [FS32K142MRT0CLHR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: S32K142 32-BIT MCU, ARM

Data sheet:  [S32K1xx Series Reference Manual](#)
 [S32K1xx Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	FS32K142MRT0CLHR	Manufacturer	NXP Semiconductors / Freescale
Description	S32K142 32-BIT MCU, ARM	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	22155 pcs	Data sheet	S32K1xx Series Reference Manual S32K1xx Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	64-LQFP (10x10)	Speed	64MHz
Series	S32K	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	64-LQFP	Other Names	935368322528
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Manufacturer Standard Lead Time	20 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	4K x 8	Detailed Description	ARM® Cortex®-M4F S32K Microcontroller IC 32-Bit 64MHz 256KB (256K x 8) FLASH 64-LQFP (10x10)
Data Converters	A/D 16x12b, D/A 1x8b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4F	Connectivity	CANbus, FlexIO, I²C, LINbus, SPI, UART/USART

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