

FS32K148HST0MLQT



Part Number: [FS32K148HST0MLQT](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: S32K148 144 LQFP

Data sheet:  [S32K1xx Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

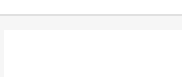
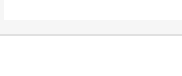
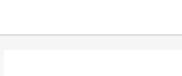
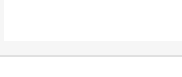
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PRODUCT PARAMETER			
Part Number	FS32K148HST0MLQT	Manufacturer	NXP Semiconductors / Freescale
Description	S32K148 144 LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	9226 pcs	Data sheet	S32K1xx Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	144-LQFP (20x20)	Speed	80MHz
Series	S32K	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	2MB (2M x 8)
Peripherals	I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Other Names	935359397557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Moisture Sensitivity Level (MSL)	3 (168 Hours)	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 80MHz 2MB (2M x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 32x12b, D/A 1x8b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4F
Connectivity	CANbus, Ethernet, FlexIO, I ² C, LINbus, SPI, UART/USART		
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	Part#: FS32K148HRT0VLQT Description: S32K148 32-BIT MCU ARM	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: FS32K148HFT0MLUT Description: S32K148 32-BIT MCU, ARM	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: FS32K148UAT0VLQT Description: S32K148 144 LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: FS32K148HFT0VLQT Description: S32K148 144 LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: FS32K148UJT0VMHT Description: S32K148 100 MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: FS32K148URT0VLQR Description: S32K148 144 LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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