

NXP Semiconductors / Freescale

### FS32K144MRT0VLHT

Part Number:	FS32K144MRT0VLHT
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	S32K144 32-BIT MCU ARM
Datasheets:	
Stock Condition:	17156 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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#### Specifications of FS32K144MRT0VLHT

PART NUMBER	FS32K144MRT0VLHT
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	S32K144 32-BIT MCU ARM
LEAD FREE STATUS / ROHS STATUS	
QUANTITY AVAILABLE	17156 pcs
DATA SHEET	
VOLTAGE - SUPPLY (VCC/VDD)	2.7 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	64-LQFP (10x10)
SPEED	64MHz
SERIES	S32K
RAM SIZE	64K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	512KB (512K x 8)
PERIPHERALS	POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	64-LQFP
OTHER NAMES	935370531557
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
EEPROM SIZE	4K x 8
DETAILED DESCRIPTION	ARM® Cortex®-M4F S32K Microcontroller IC 32-Bit 64MHz 512KB (512K 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, I <sup>2</sup> C, LINbus, SPI, UART/USART

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#### Related Products

<p><b>FS32K144MNT0VLHR</b> Manufacturers: NXP Semiconductors / Freescale Description: S32K144 32-BIT MCU ARM In stock: 19211 pcs</p>	<p><b>FS32K144MRT0CLLT</b> Manufacturers: NXP Description: S32K144 32-BIT MCU, ARM In stock: 15130 pcs</p>	<p><b>FS32K144UAT0VLHT</b> Manufacturers: NXP Description: S32K144 32-BIT MCU ARM In stock: 14752 pcs</p>
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<p><b>FS32K144MST0MLHT</b> Manufacturers: NXP Semiconductors / Freescale Description: S32K144 32-BIT MCU ARM CORTEX-M In stock: 18216 pcs</p>		<p><b>FS32K144MNT0VLLR</b> Manufacturers: NXP Description: S32K144 32-BIT MCU, ARM CORTEX-M In stock: 23447 pcs</p>

