



NXP Semiconductors / Freescale



FS32K144MRT0VLHT

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

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of FS32K144MRT0VLHT

|                                 |                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------|
| PART NUMBER                     | FS32K144MRT0VLHT                                                                             |
| MANUFACTURER                    | NXP Semiconductors / Freescale                                                               |
| DESCRIPTION                     | S32K144 32-BIT MCU ARM                                                                       |
| LEAD FREE STATUS / ROHS STATUS  |                                                                                              |
| 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)                                                                           |
| MANUFACTURER STANDARD LEAD TIME | 20 Weeks                                                                                     |
| 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, I²C, LINbus, SPI, UART/USART                                                 |

Related Tags

|                                                 |                                         |                                                     |
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| Freescale Semiconductor - NXP FS32K144MRT0VLHT  | NXP USA Inc. FS32K144MRT0VLHT           |                                                     |

Related Products

|                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>FS32K144MNT0VLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>           | <div></div> <div><b>FS32K144UAT0VLHR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU, ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
| <div></div> <div><b>FS32K144MNT0VLLR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU, ARM CORTEX-M<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>FS32K144MRT0CLLT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU, ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
| <div></div> <div><b>FS32K144UAT0MLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU, ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>          | <div></div> <div><b>FS32K144MST0MLHR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM CORTEX-M<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>FS32K144MST0CLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM CORTEX-M<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>FS32K144MNT0MLLT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>          |
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