



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

FS32K144MNT0VLLR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | FS32K144MNT0VLLR                                                                                             |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | S32K144 32-BIT MCU, ARM CORTEX-M                                                                             |
|                     |  1.FS32K144MNT0VLLR.pdf     |
|                     |  2.FS32K144MNT0VLLR.pdf     |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of FS32K144MNT0VLLR

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | FS32K144MNT0VLLR                                                                                                                                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                           |
| DESCRIPTION                      | S32K144 32-BIT MCU, ARM CORTEX-M                                                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                               |
| DATA SHEET                       |  1.FS32K144MNT0VLLR.pdf<br> 2.FS32K144MNT0VLLR.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                                                                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                                                                                                                         |
| 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                        | Tape & Reel (TR)                                                                                                                                                                                                         |
| PACKAGE / CASE                   | 100-LQFP                                                                                                                                                                                                                 |
| OTHER NAMES                      | 935347125528                                                                                                                                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 105°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 64MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)                                                                                                                            |
| 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

|                                                 |                                         |                                                     |
|-------------------------------------------------|-----------------------------------------|-----------------------------------------------------|
| NXP Semiconductors / Freescale FS32K144MNT0VLLR | FS32K144MNT0VLLR Distributor            | FS32K144MNT0VLLR Supplier                           |
| FS32K144MNT0VLLR Price                          | FS32K144MNT0VLLR Pictures               | FS32K144MNT0VLLR Image                              |
| FS32K144MNT0VLLR PDF Datasheet                  | FS32K144MNT0VLLR Download Datasheet     | FS32K144MNT0VLLR Datasheet                          |
| FS32K144MNT0VLLR Stock                          | Buy FS32K144MNT0VLLR                    | Buy NXP Semiconductors / Freescale FS32K144MNT0VLLR |
| NXP Semiconductors / Freescale FS32K144MNT0VLLR | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor          |
| NXP Semiconductors / Freescale FS32K144MNT0VLLR | NXP Semiconductors FS32K144MNT0VLLR     | Freescale FS32K144MNT0VLLR                          |
| Freescale Semiconductor - NXP FS32K144MNT0VLLR  | NXP USA Inc. FS32K144MNT0VLLR           |                                                     |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>FS32K144MSTOMLHT</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>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>FS32K144MNTOMLHR</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>FS32K144MSTOCLHT</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>FS32K144MNTOMLLT</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>FS32K144MNT0VLHR</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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| <div></div> <div><b>FS32K144MRT0VLHT</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>FS32K144MSTOMLHR</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> |