

FS32K142MNT0VLLT

Part Number: [FS32K142MNT0VLLT](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: S32K144 32-BIT MCU ARM

Data sheet: [S32K1xx Datasheet](#)

RoHs Status:

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy **FS32K142MNT0VLLT** with confidence from  
Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                          |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FS32K142MNT0VLLT                          | Manufacturer                             | <a href="#">NXP Semiconductors / Freescale</a>                                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | S32K144 32-BIT MCU ARM                    | Lead Free Status / RoHS Status           |                                                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 19471 pcs                                 | Data sheet                               | <a href="#">S32K1xx Datasheet</a>                                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)               | 2.7 V ~ 5.5 V                                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100-LQFP (14x14)                          | 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                                | Tray                                                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100-LQFP                                  | Other Names                              | 935362258557                                                                                  |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Internal                                  | Operating Temperature                    | -40°C ~ 105°C (TA)                                                                            |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (168 Hours)                             | Manufacturer Standard Lead Time 20 Weeks |                                                                                               |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4K x 8                                    | Detailed Description                     | ARM® Cortex®-M4F S32K Microcontroller IC 32-Bit 64MHz 256KB (256K 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                                                  |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 19471 pieces of NXP Semiconductors / Freescale FS32K142MNT0VLLT in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                          |                                                                                               |

| RELATED PRODUCTS |                                                                                         |                                                               |                     |
|------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|                  | Part#: <a href="#">FS32K142HAT0MLLT</a><br>Description: S32K144 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142URT0VLHR</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142MRT0CLHR</a><br>Description: S32K142 32-BIT MCU, ARM         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142HAT0VLHT</a><br>Description: S32K142 32-BIT MCU, ARM         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142UAT0VLHR</a><br>Description: S32K142 64 LQFP                 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142UAT0VLHT</a><br>Description: S32K142 64 LQFP                 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142MRT0CLHT</a><br>Description: S32K142 32-BIT MCU, ARM         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K144HAT0CLHT</a><br>Description: S32K144 32-BIT MCU ARM CORTEX-M | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142HAT0MLHT</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142MNT0VLLR</a><br>Description: S32K144 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142HFT0MLHT</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142HFT0MLLT</a><br>Description: S32K144 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142URT0VLHT</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142UFT0VLLT</a><br>Description: S32K144 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142UFT0VLHT</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142UAT0VLLT</a><br>Description: S32K142 100 LQFP                | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142MAT0MLLT</a><br>Description: S32K144 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142HRT0VLHR</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142HRT0VLHT</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|                  | Part#: <a href="#">FS32K142MAT0MLHT</a><br>Description: S32K142 32-BIT MCU ARM          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

|                                                    |                                     |                                     |                               |
|----------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------|
| Related keywords for <b>FS32K142MNT0VLLT</b>       |                                     |                                     |                               |
| NXP Semiconductors / Freescale<br>FS32K142MNT0VLLT | FS32K142MNT0VLLT distributor        | FS32K142MNT0VLLT supplier           | FS32K142MNT0VLLT price        |
|                                                    | FS32K142MNT0VLLT download datasheet | FS32K142MNT0VLLT datasheet          | FS32K142MNT0VLLT stock        |
| buy FS32K142MNT0VLLT                               | NXP Semiconductors / Freescale      | NXP Semiconductors FS32K142MNT0VLLT | Freescale FS32K142MNT0VLLT    |
|                                                    | FS32K142MNT0VLLT                    | Freescale Semiconductor - NXP       | NXP USA Inc. FS32K142MNT0VLLT |
|                                                    |                                     | FS32K142MNT0VLLT                    |                               |