



NXP Semiconductors / Freescale

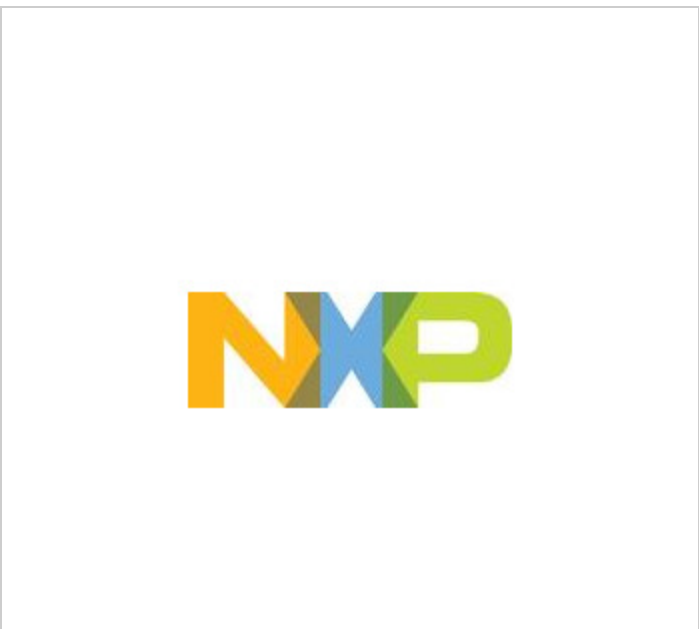


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FS32K142URT0VLHT

|                     |                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------|
| Part Number:        | FS32K142URT0VLHT                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                         |
| Product description | S32K142 32-BIT MCU ARM                                                                                 |
| Datasheets:         |  FS32K142URT0VLHT.pdf |
| Ship From           | Hong Kong                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                  |

REQUEST FOR QUOTATION

Specifications of FS32K142URT0VLHT

|                                 |                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                     | FS32K142URT0VLHT                                                                                         |
| MANUFACTURER                    | NXP Semiconductors / Freescale                                                                           |
| DESCRIPTION                     | S32K142 32-BIT MCU ARM                                                                                   |
| LEAD FREE STATUS / ROHS STATUS  |                                                                                                          |
| DATA SHEET                      |  FS32K142URT0VLHT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)      | 2.7 V ~ 5.5 V                                                                                            |
| SUPPLIER DEVICE PACKAGE         | 64-LQFP (10x10)                                                                                          |
| SPEED                           | 112MHz                                                                                                   |
| 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                  | 64-LQFP                                                                                                  |
| OTHER NAMES                     | 935368752557                                                                                             |
| 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 112MHz 256KB (256K 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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| NXP Semiconductors / Freescale FS32K142URT0VLHT | FS32K142URT0VLHT Distributor            | FS32K142URT0VLHT Supplier                           |
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| Freescale Semiconductor - NXP FS32K142URT0VLHT  | NXP USA Inc. FS32K142URT0VLHT           |                                                     |

Related Products

|                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>FS32K144HATOMLLR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU, ARM<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>FS32K142URT0VLHR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: Out stock<br/>RFQ</div>          |
|  <div><b>FS32K144HATOMLHR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>FS32K144HATOCLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM CORTEX-M<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>FS32K142UATOVLLT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 100 LQFP<br/>In stock: Out stock<br/>RFQ</div>        |  <div><b>FS32K142UFT0VLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: Out stock<br/>RFQ</div>          |
|  <div><b>FS32K144HATOMLLT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU, ARM<br/>In stock: 296 pcs<br/>RFQ</div>   |  <div><b>FS32K142UFTOVLLT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: Out stock<br/>RFQ</div>          |
|  <div><b>FS32K142UAT0VLHR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 64 LQFP<br/>In stock: Out stock<br/>RFQ</div>         |  <div><b>FS32K144HATOMLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM<br/>In stock: 667 pcs<br/>RFQ</div>            |
|  <div><b>FS32K142UAT0VLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 64 LQFP<br/>In stock: Out stock<br/>RFQ</div>         |  <div><b>FS32K144HATOCLLT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM<br/>In stock: Out stock<br/>RFQ</div>          |