

NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

FS32K142MRT0CLHT

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | FS32K142MRT0CLHT                                                                                             |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | S32K142 32-BIT MCU, ARM                                                                                      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 23698 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

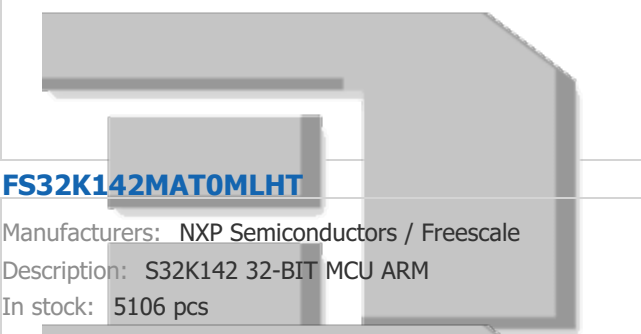
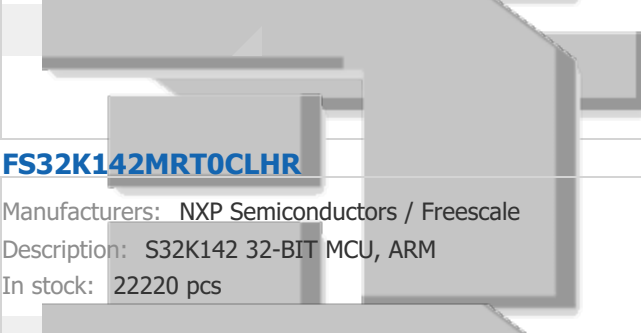
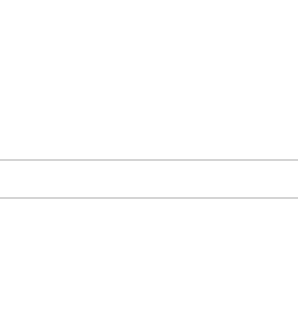
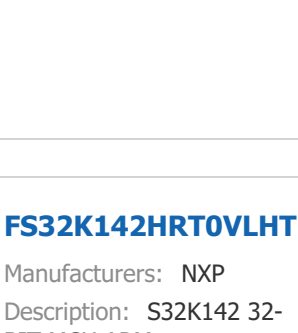
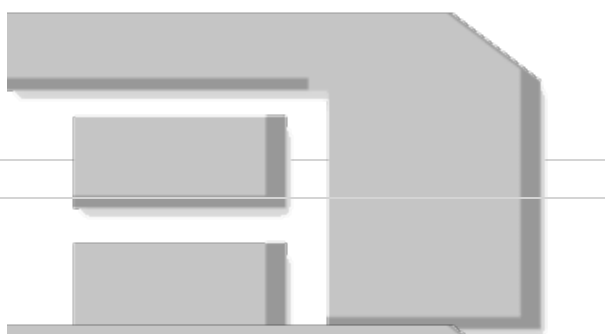
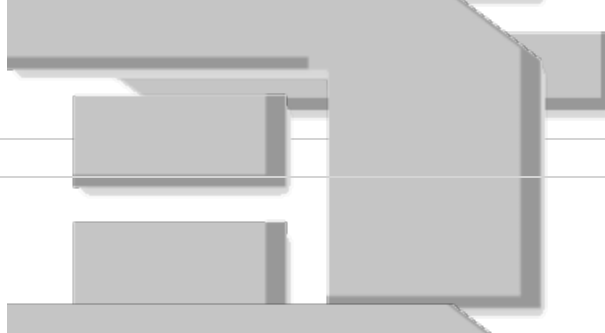
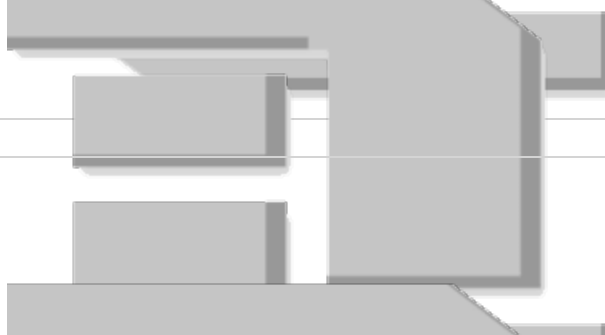
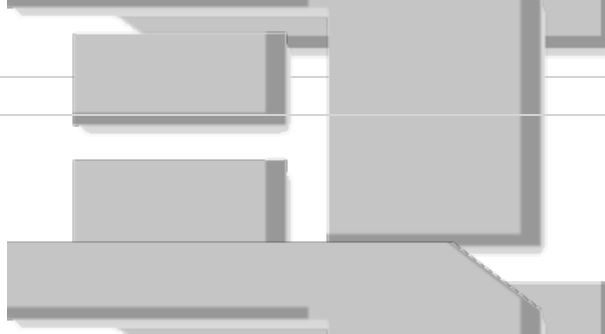
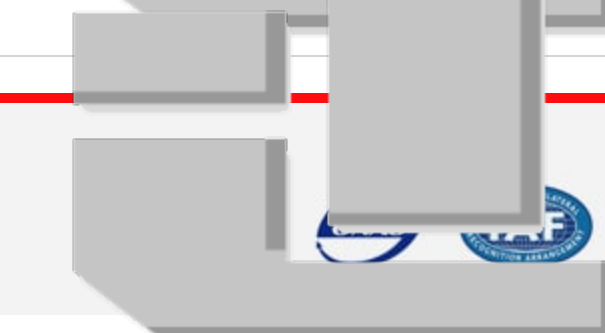
Specifications of FS32K142MRT0CLHT

|                                |                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------|
| PART NUMBER                    | FS32K142MRT0CLHT                                                                             |
| MANUFACTURER                   | NXP Semiconductors / Freescale                                                               |
| DESCRIPTION                    | S32K142 32-BIT MCU, ARM                                                                      |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant                                                                   |
| QUANTITY AVAILABLE             | 23698 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                       | 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                    | 935368322557                                                                                 |
| OSCILLATOR TYPE                | Internal                                                                                     |
| OPERATING TEMPERATURE          | -40°C ~ 85°C (TA)                                                                            |
| 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 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

|                                |                                     |                            |
|--------------------------------|-------------------------------------|----------------------------|
| FS32K142MRT0CLHT               | FS32K142MRT0CLHT Distributor        | FS32K142MRT0CLHT Supplier  |
| FS32K142MRT0CLHT Price         | FS32K142MRT0CLHT Pictures           | FS32K142MRT0CLHT Image     |
| FS32K142MRT0CLHT PDF Datasheet | FS32K142MRT0CLHT Download Datasheet | FS32K142MRT0CLHT Datasheet |
| FS32K142MRT0CLHT Stock         | Buy FS32K142MRT0CLHT                | Buy FS32K142MRT0CLHT       |
| FS32K142MRT0CLHT               | Supplier                            | Distributor                |

Related Products

|                                                                                                                                                                                                                          |                                                                                                                                                                                                                            |                                                                                                                                                                                                 |                                                                                                                                                                                                 |                                                                                                                                                                                                  |                                                                                                                                                                                                 |                                                                                                                                                                                                  |                                                                                                                                                                                                  |                                                                                                                                                                                           |                                                                                                                                                                                            |                                                                                                                                                                                           |
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|  <b>FS32K142MAT0MLHT</b><br>Manufacturers: NXP Semiconductors / Freescale<br>Description: S32K142 32-BIT MCU ARM<br>In stock: 5106 pcs |  <b>FS32K142MRT0CLHR</b><br>Manufacturers: NXP Semiconductors / Freescale<br>Description: S32K142 32-BIT MCU, ARM<br>In stock: 22220 pcs |  <b>FS32K142HRT0VLHT</b><br>Manufacturers: NXP<br>Description: S32K142 32-BIT MCU ARM<br>In stock: 17468 pcs |  <b>FS32K142MAT0MLLT</b><br>Manufacturers: NXP<br>Description: S32K144 32-BIT MCU ARM<br>In stock: 13346 pcs |  <b>FS32K142MNT0VLLT</b><br>Manufacturers: NXP<br>Description: S32K144 32-BIT MCU ARM<br>In stock: 15799 pcs |  <b>FS32K142UFT0VLHT</b><br>Manufacturers: NXP<br>Description: S32K142 32-BIT MCU ARM<br>In stock: 4694 pcs |  <b>FS32K142URT0VLHR</b><br>Manufacturers: NXP<br>Description: S32K142 32-BIT MCU ARM<br>In stock: 20365 pcs |  <b>FS32K142MNT0VLLR</b><br>Manufacturers: NXP<br>Description: S32K144 32-BIT MCU ARM<br>In stock: 23592 pcs |  <b>FS32K142UAT0VLHT</b><br>Manufacturers: NXP<br>Description: S32K142 64 LQFP<br>In stock: 15875 pcs |  <b>FS32K142UAT0VLLT</b><br>Manufacturers: NXP<br>Description: S32K142 100 LQFP<br>In stock: 13269 pcs |  <b>FS32K142UAT0VLHR</b><br>Manufacturers: NXP<br>Description: S32K142 64 LQFP<br>In stock: 19422 pcs |
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