



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

FS32K142HAT0MLLT

|                     |                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------|
| Part Number:        | FS32K142HAT0MLLT                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                         |
| Product description | S32K144 32-BIT MCU ARM                                                                                 |
| Datasheets:         |  FS32K142HAT0MLLT.pdf |
| Ship From           | Hong Kong                                                                                              |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                  |

REQUEST FOR QUOTATION

Specifications of FS32K142HAT0MLLT

|                                  |                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | FS32K142HAT0MLLT                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                           |
| DESCRIPTION                      | S32K144 32-BIT MCU ARM                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   |                                                                                                          |
| DATA SHEET                       |  FS32K142HAT0MLLT.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.7 V ~ 5.5 V                                                                                            |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                         |
| SPEED                            | 80MHz                                                                                                    |
| 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                      | 568-13936<br>935362251557<br>FS32K142HAT0MLLT-ND                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                 |
| OPERATING TEMPERATURE            | -40°C ~ 125°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 80MHz 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                                                             |

Related Tags

|                                                 |                                         |                                                     |
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| NXP Semiconductors / Freescale FS32K142HAT0MLLT | FS32K142HAT0MLLT Distributor            | FS32K142HAT0MLLT Supplier                           |
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| Freescale Semiconductor - NXP FS32K142HAT0MLLT  | NXP USA Inc. FS32K142HAT0MLLT           |                                                     |

Related Products

|                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                            |
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|  <div><b>FS30R06XL4BOMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: MOD IGBT LOW PWR EASY1-1<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>FS312</b><br/>Manufacturers: Hamlin / Littelfuse<br/>Description: DC FLASHER<br/>In stock: Out stock<br/><div>RFQ</div></div>                                                  |
|  <div><b>FS32K142HFT0MLLT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K144 32-BIT MCU ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>                   |  <div><b>FS32K142HFT0MLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>                |
|  <div><b>FS32K142HAT0MLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: 786 pcs<br/><div>RFQ</div></div>                     |  <div><b>FS32K142MAT0MLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>                |
|  <div><b>FS30R06XE3BOMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: MOD IGBT LOW PWR EASY1-1<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>FS32K142HRT0VLHR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>                |
|  <div><b>FS32K142HRT0VLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>                   |  <div><b>FS32K142HAT0VLHT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: S32K142 32-BIT MCU, ARM<br/>In stock: Out stock<br/><div>RFQ</div></div>               |
|  <div><b>FS324</b><br/>Manufacturers: Hamlin / Littelfuse<br/>Description: RELAY TIME DELAY 75FPM CHASSIS<br/>In stock: 18 pcs<br/><div>RFQ</div></div>                                    |  <div><b>FS30R06W1E3BOMA1</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IGBT MODULE 600V 30A<br/>In stock: Out stock<br/><div>RFQ</div></div> |