

NXP Semiconductors / Freescale

MKV31F512VLH12R

|                     |                                 |
|---------------------|---------------------------------|
| Part Number:        | MKV31F512VLH12R                 |
| Manufacturer/Brand: | NXP Semiconductors / Freescale  |
| Product description | KINETIS KV31: 120MHZ CORTEX-M4F |
| Datasheets:         |                                 |
| Stock Condition     | 24623 pcs stock                 |
| Ship From           | Hong Kong                       |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS           |

REQUEST FOR QUOTATION

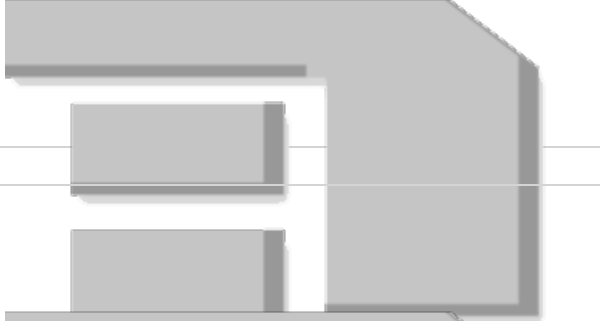
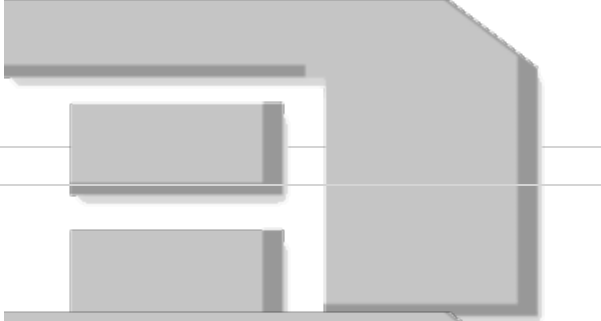
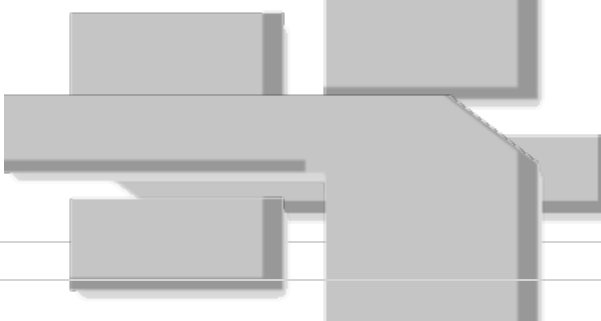
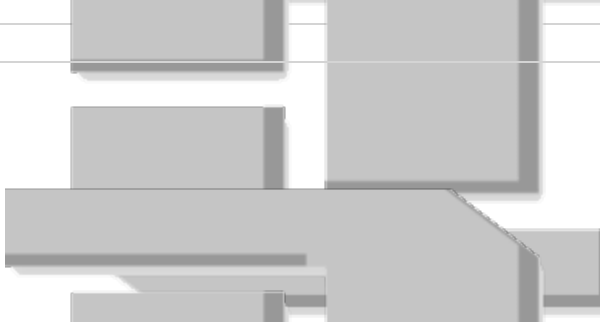
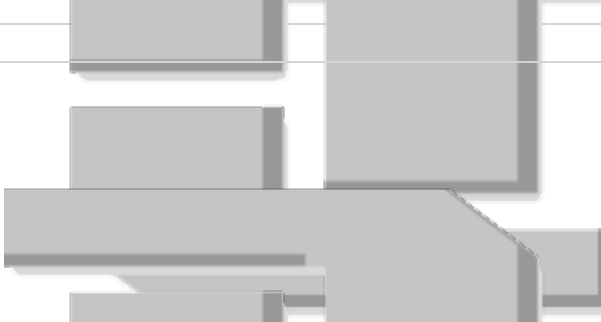
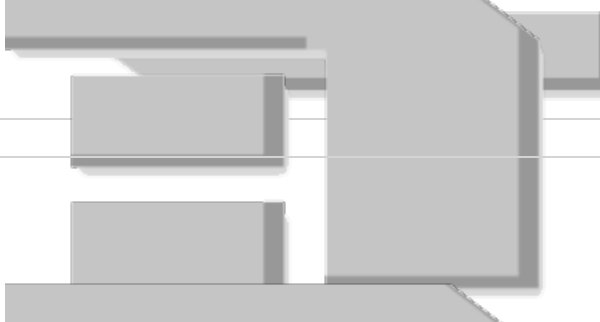
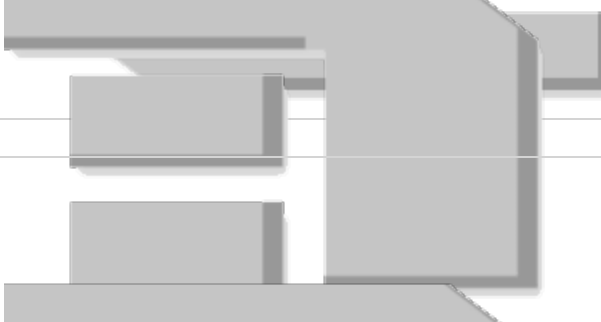
Specifications of MKV31F512VLH12R

|                                |                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------|
| PART NUMBER                    | MKV31F512VLH12R                                                                                    |
| MANUFACTURER                   | NXP Semiconductors / Freescale                                                                     |
| DESCRIPTION                    | KINETIS KV31: 120MHZ CORTEX-M4F                                                                    |
| LEAD FREE STATUS / ROHS STATUS |                                                                                                    |
| QUANTITY AVAILABLE             | 24623 pcs                                                                                          |
| DATA SHEET                     |                                                                                                    |
| VOLTAGE - SUPPLY (VCC/VDD)     | 1.71 V ~ 3.6 V                                                                                     |
| SUPPLIER DEVICE PACKAGE        | 64-LQFP (10x10)                                                                                    |
| SPEED                          | 120MHz                                                                                             |
| SERIES                         | Kinetis KV                                                                                         |
| RAM SIZE                       | 96K x 8                                                                                            |
| PROGRAM MEMORY TYPE            | FLASH                                                                                              |
| PROGRAM MEMORY SIZE            | 512KB (512K x 8)                                                                                   |
| PERIPHERALS                    | DMA, PWM, WDT                                                                                      |
| PACKAGING                      | Tape & Reel (TR)                                                                                   |
| PACKAGE / CASE                 | 64-LQFP                                                                                            |
| OTHER NAMES                    | 935320261528                                                                                       |
| OSCILLATOR TYPE                | Internal                                                                                           |
| OPERATING TEMPERATURE          | -40°C ~ 105°C (TA)                                                                                 |
| NUMBER OF I/O                  | 46                                                                                                 |
| EEPROM SIZE                    | -                                                                                                  |
| DETAILED DESCRIPTION           | ARM® Cortex®-M4 Kinetis KV Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 64-LQFP (10x10) |
| DATA CONVERTERS                | A/D 2x16b, D/A 1x12b                                                                               |
| CORE SIZE                      | 32-Bit                                                                                             |
| CORE PROCESSOR                 | ARM® Cortex®-M4                                                                                    |
| CONNECTIVITY                   | I²C, SPI, UART/USART                                                                               |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MKV31F512VLH12R               | MKV31F512VLH12R Distributor        | MKV31F512VLH12R Supplier  |
| MKV31F512VLH12R Price         | MKV31F512VLH12R Pictures           | MKV31F512VLH12R Image     |
| MKV31F512VLH12R PDF Datasheet | MKV31F512VLH12R Download Datasheet | MKV31F512VLH12R Datasheet |
| MKV31F512VLH12R Stock         | Buy MKV31F512VLH12R                | Buy MKV31F512VLH12R       |
| MKV31F512VLH12R               | Supplier                           | Distributor               |

Related Products

|                                                                                    |                                                                                                                             |                                                                                      |                                                                                                                            |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|  | <b>MKV31F256VLH12R</b><br>Manufacturers: NXP<br>Description: KINETIS KV31: 120MHZ CORTEX-M4F<br>In stock: 32813 pcs<br>RFQ  |  | <b>MKV42F128VLF16</b><br>Manufacturers: NXP<br>Description: KINETIS V 32-BIT MCU ARM CORTEX<br>In stock: 23518 pcs<br>RFQ  |
|  | <b>MKV31F512VLH12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br>In stock: 12894 pcs<br>RFQ   |  | <b>MKV31F256VLH12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br>In stock: 15641 pcs<br>RFQ  |
|  | <b>MKV40F256VLL15</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 16927 pcs<br>RFQ  |  | <b>MKV31F128VLL10</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br>In stock: 18369 pcs<br>RFQ |
|  | <b>MKV42F128VLH16</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br>In stock: 13798 pcs<br>RFQ   |  | <b>MKV42F128VLL16</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br>In stock: 16433 pcs<br>RFQ |
|  | <b>MKV31F512VLL12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br>In stock: 14010 pcs<br>RFQ  |  | <b>MKV31F256VLH12P</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 64LQFP<br>In stock: 14993 pcs<br>RFQ |
|  | <b>MKV31F512VLL12P</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br>In stock: 11815 pcs<br>RFQ |  | <b>MKV31F256VLL12</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 256KB FLASH 100LQFP<br>In stock: 15376 pcs<br>RFQ |