

NXP Semiconductors / Freescale

MK20FN1M0VLQ12

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK20FN1M0VLQ12                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 1MB FLASH 144LQFP                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5899 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

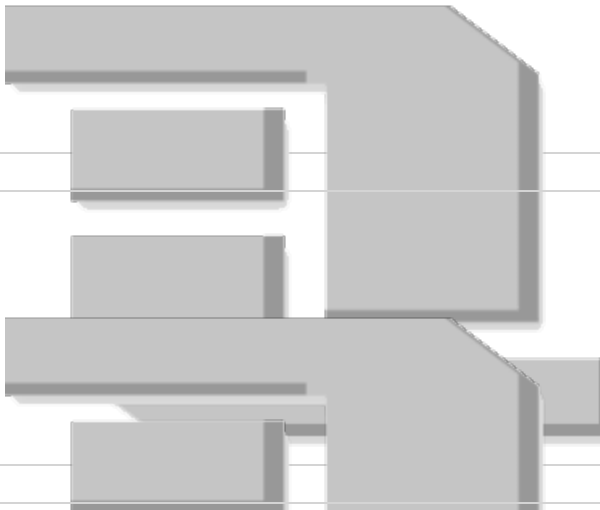
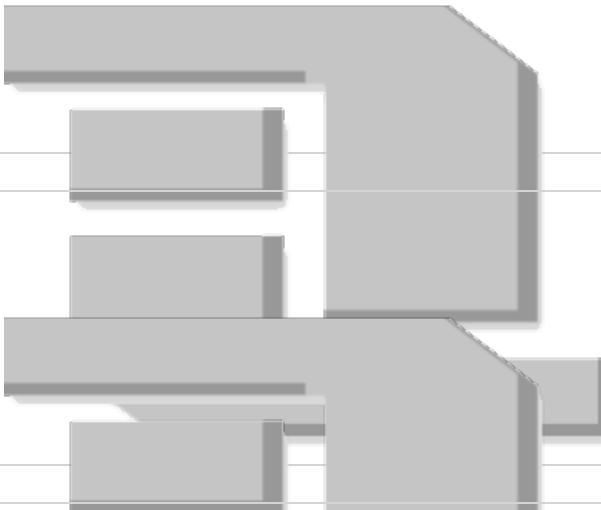
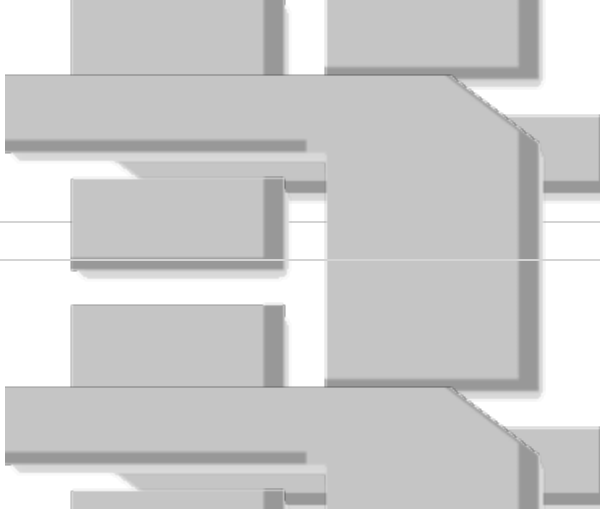
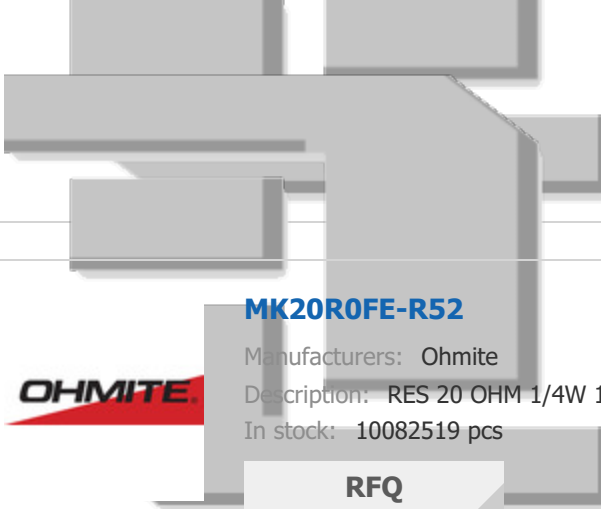
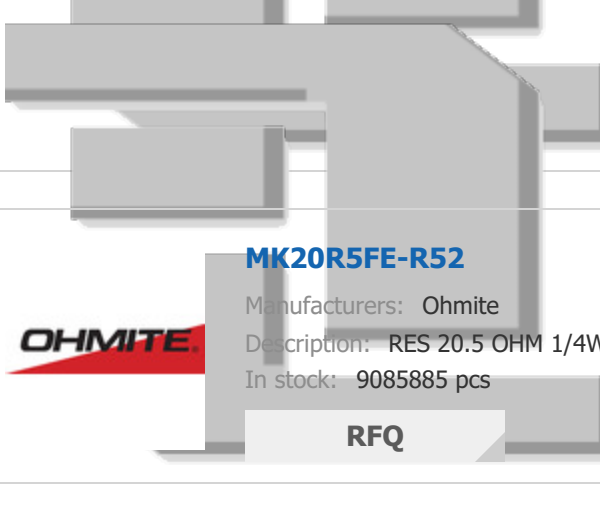
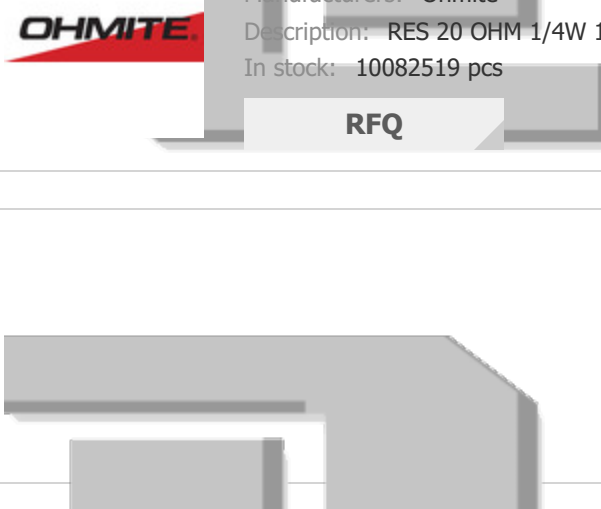
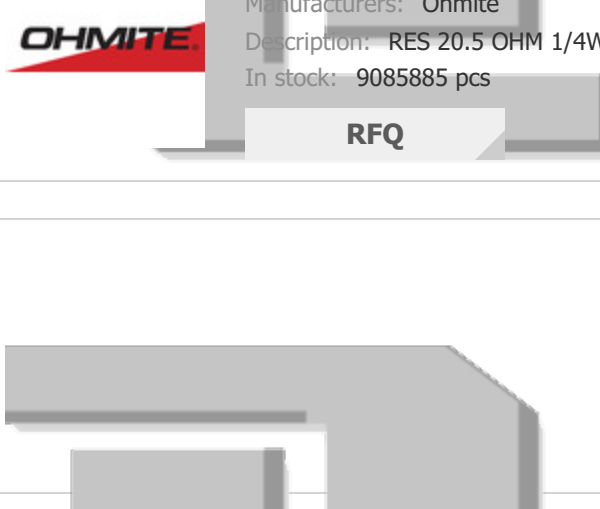
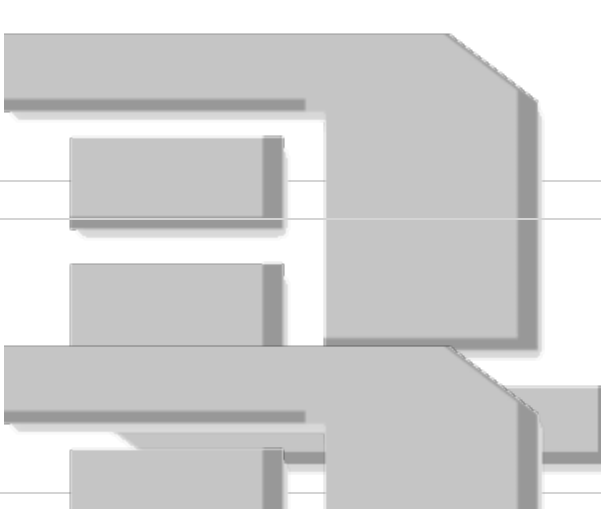
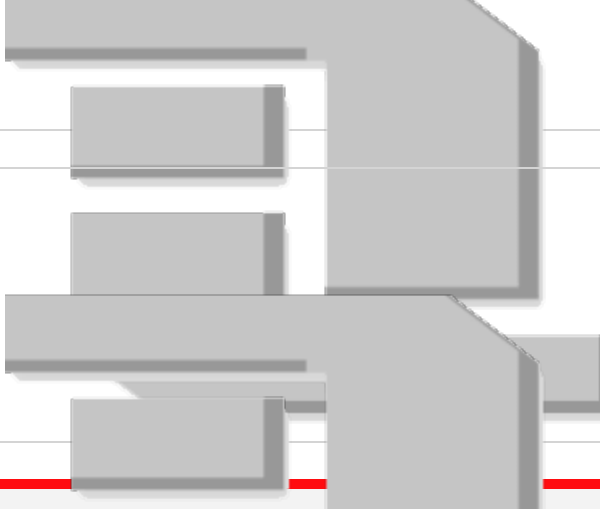
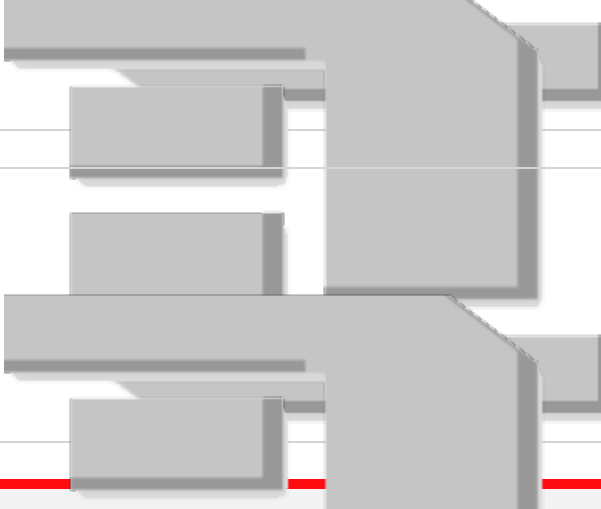
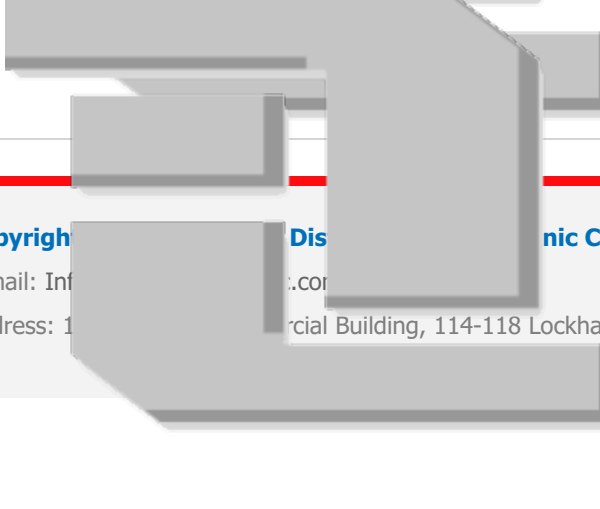
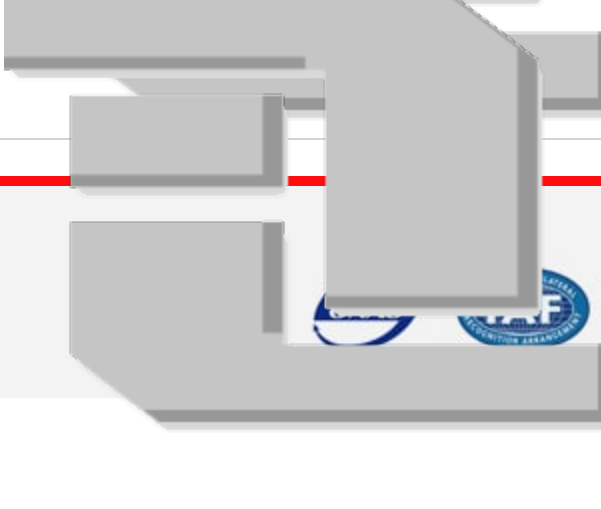
Specifications of MK20FN1M0VLQ12

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK20FN1M0VLQ12                                                                                   |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 144LQFP                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                       |
| QUANTITY AVAILABLE               | 5899 pcs                                                                                         |
| DATA SHEET                       |                                                                                                  |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                 |
| SPEED                            | 120MHz                                                                                           |
| SERIES                           | Kinetis K20                                                                                      |
| RAM SIZE                         | 128K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                            |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                     |
| PERIPHERALS                      | DMA, I²S, LVD, POR, PWM, WDT                                                                     |
| PACKAGING                        | Tray                                                                                             |
| PACKAGE / CASE                   | 144-LQFP                                                                                         |
| OTHER NAMES                      | 935321743557                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                               |
| NUMBER OF I/O                    | 100                                                                                              |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                       |
| EEPROM SIZE                      | -                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 120MHz 1MB (1M x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 58x16b, D/A 2x12b                                                                            |
| CORE SIZE                        | 32-Bit                                                                                           |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                  |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG                                    |
| BASE PART NUMBER                 | MK20FN1M0                                                                                        |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| MK20FN1M0VLQ12               | MK20FN1M0VLQ12 Distributor        | MK20FN1M0VLQ12 Supplier  |
| MK20FN1M0VLQ12 Price         | MK20FN1M0VLQ12 Pictures           | MK20FN1M0VLQ12 Image     |
| MK20FN1M0VLQ12 PDF Datasheet | MK20FN1M0VLQ12 Download Datasheet | MK20FN1M0VLQ12 Datasheet |
| MK20FN1M0VLQ12 Stock         | Buy MK20FN1M0VLQ12                | Buy MK20FN1M0VLQ12       |
| MK20FN1M0VLQ12               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                                  |                                                                                      |                                                                                                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>MK20DX64VLH5</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 64LQFP</p> <p>In stock: 14066 pcs</p> <p>RFQ</p>    |  | <p><b>MK20FN1M0VLQ12R</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 1MB FLASH 144LQFP</p> <p>In stock: 10544 pcs</p> <p>RFQ</p> |
|  | <p><b>MK20FX512VMD12</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 6468 pcs</p> <p>RFQ</p>  |  | <p><b>MK20DX64VMB7</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 81MAPBGA</p> <p>In stock: 3940 pcs</p> <p>RFQ</p>   |
|  | <p><b>MK20DX64VMC7</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 121BGA</p> <p>In stock: 18340 pcs</p> <p>RFQ</p>    |  | <p><b>MK20R0FE-R52</b></p> <p>Manufacturers: Ohmite</p> <p>Description: RES 20 OHM 1/4W 1% AXIAL</p> <p>In stock: 10082519 pcs</p> <p>RFQ</p>    |
|  | <p><b>MK20R5FE-R52</b></p> <p>Manufacturers: Ohmite</p> <p>Description: RES 20.5 OHM 1/4W 1% AXIAL</p> <p>In stock: 9085885 pcs</p> <p>RFQ</p>   |  | <p><b>MK20FN1M0VMD12</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 1MB FLASH 144MAPBGA</p> <p>In stock: 6304 pcs</p> <p>RFQ</p> |
|  | <p><b>MK20FX512VLQ12</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 6656 pcs</p> <p>RFQ</p> |  | <p><b>MK20DX64VLK7</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 80LQFP</p> <p>In stock: 15286 pcs</p> <p>RFQ</p>    |
|  | <p><b>MK20DX64VLH7</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 64LQFP</p> <p>In stock: 14376 pcs</p> <p>RFQ</p>    |  | <p><b>MK20DX64VMP5</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 64MAPBGA</p> <p>In stock: 17404 pcs</p> <p>RFQ</p>  |