

MKL26Z256VLL4



Part Number: [MKL26Z256VLL4](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 100LQFP

Data sheet:  [MKL26Z128Vxx4/256Vxx4 Datasheet](#)  
 [KL2x MCU Family Fact Sheet](#)  
 [Kinetis L Mask Errata](#)  
 [Embedded Solutions Brochure](#)

RoHs Status: Lead free / RoHS Compliant

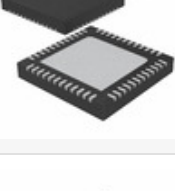
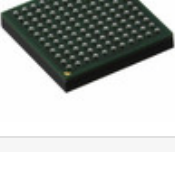
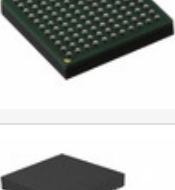
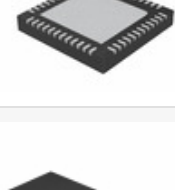
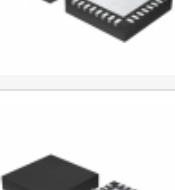
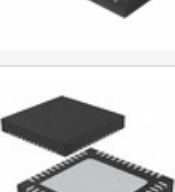
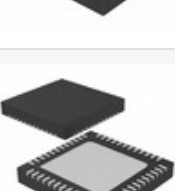
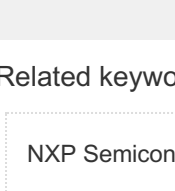
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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                   |                                  |                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MKL26Z256VLL4                                                     | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 256KB FLASH 100LQFP                                  | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20715 pcs                                                         | Data sheet                       | <a href="#">MKL26Z128Vxx4/256Vxx4 Datasheet</a><br><a href="#">KL2x MCU Family Fact Sheet</a><br><a href="#">Kinetis L Mask Errata</a><br><a href="#">Embedded Solutions Brochure</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                         | Voltage - Supply (Vcc/Vdd)       | 1.71 V ~ 3.6 V                                                                                                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100-LQFP (14x14)                                                  | Speed                            | 48MHz                                                                                                                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Kinetis KL2                                                       | RAM Size                         | 32K x 8                                                                                                                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                             | Program Memory Size              | 256KB (256K x 8)                                                                                                                                                                      |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT | Packaging                        | Tray                                                                                                                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100-LQFP                                                          | Other Names                      | 935314971557                                                                                                                                                                          |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                                          | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                                                                                    |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 80                                                                | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                                                         |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 16 Weeks                                                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                                                                            |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                                                 | Detailed Description             | ARM® Cortex®-M0+ Kinetis KL2 Microcontroller IC 32-Bit 48MHz 256KB (256K x 8) FLASH 100-LQFP (14x14)                                                                                  |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D - 16bit, D/A - 12bit                                          | Core Size                        | 32-Bit                                                                                                                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M0+                                                  | Connectivity                     | I <sup>2</sup> C, LINbus, SPI, UART/USART, USB, USB OTG                                                                                                                               |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MKL26Z256                                                         |                                  |                                                                                                                                                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MKL26Z128VLH4</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z256VLH4</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z32VLH4</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z128VFT4R</a><br>Description: KINETIS KL26: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z128VMC4</a><br>Description: IC MCU 32BIT 128KB FLASH 121BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z128VLL4</a><br>Description: IC MCU 32BIT 128KB FLASH 100LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z128CAL4R</a><br>Description: KINETIS KL26: 48MHZ CORTEX-M0+ U | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z256VMC4R</a><br>Description: KINETIS L 32-BIT MCU ARM CORTEX  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z32VFT4</a><br>Description: IC MCU 32BIT 32KB FLASH 48QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z64VFM4</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z32VFM4</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL25Z64VLK4</a><br>Description: IC MCU 32BIT 64KB FLASH 80LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z256VMC4</a><br>Description: IC MCU 32BIT 256KB FLASH 121BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z128VLH4R</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z64VFT4R</a><br>Description: IC MCU 32BIT 64KB FLASH 48QFN     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKL26Z128VFM4</a><br>Description: IC MCU 32BIT 128KB FLASH 32QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MKL26Z128VFT4</a><br>Description: IC MCU 32BIT 128KB FLASH 48QFN    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MKL26Z256VMP4</a><br>Description: IC MCU 32BIT 256KB FLASH 64BGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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