

MKE02Z64VLD2



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**Part Number:** [MKE02Z64VLD2](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** IC MCU 32BIT 64KB FLASH 44LQFP

**Data sheet:**  [KE02 Sub-Family Datasheet](#)

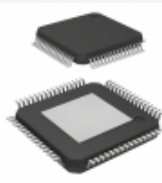
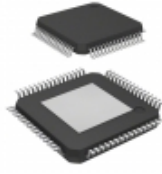
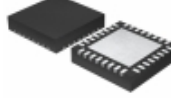
**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                  |                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                             | MKE02Z64VLD2                              | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 64KB FLASH 44LQFP            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                      | 39318 pcs                                 | Data sheet                       | <a href="#">KE02 Sub-Family Datasheet</a>                                                          |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 2.7 V ~ 5.5 V                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                 | 44-LQFP (10x10)                           | Speed                            | 20MHz                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                  | Kinetis KE02                              | RAM Size                         | 4K x 8                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size              | 64KB (64K x 8)                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                             | LVD, PWM, WDT                             | Packaging                        | Tray                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                          | 44-LQFP                                   | Other Names                      | 935317775557                                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                         | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                 |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                           | 37                                        | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                      |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                         | 8 Weeks                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                         |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                             | 256 x 8                                   | Detailed Description             | ARM® Cortex®-M0+ Kinetis KE02 Microcontroller IC 32-Bit 20MHz 64KB (64K x 8) FLASH 44-LQFP (10x10) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                         | A/D 16x12b, D/A 2x6b                      | Core Size                        | 32-Bit                                                                                             |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                          | ARM® Cortex®-M0+                          | Connectivity                     | I²C, SPI, UART/USART                                                                               |
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|  | Part#: <a href="#">MKE02Z32VLD4</a><br>Description: IC MCU 32BIT 32KB FLASH 44LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">MKE02Z64VLH4R</a><br>Description: KINETIS KE02: 40MHZ CORTEX-M0+ 5  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">MKE02Z32VLD4R</a><br>Description: KINETIS KE02: 40MHZ CORTEX-M0+ 5  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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