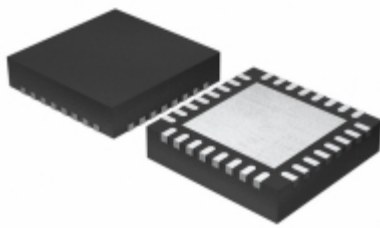


MKE02Z16VFM4



Part Number: [MKE02Z16VFM4](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 16KB FLASH 32QFN

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

RoHs Status: Lead free / RoHS Compliant

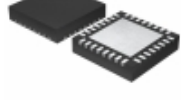
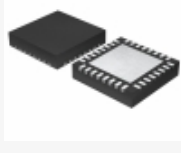
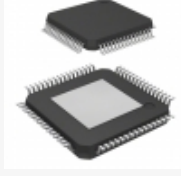
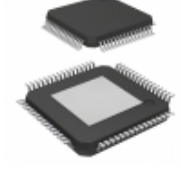
Ship From: Hong Kong

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

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |                                  |                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MKE02Z16VFM4                              | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC MCU 32BIT 16KB FLASH 32QFN             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 52577 pcs                                 | Data sheet                       | <a href="#">KE02 Sub-Family Ref Manual</a><br><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                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-QFN (5x5)                              | Speed                            | 40MHz                                                                                           |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Kinetis KE02                              | RAM Size                         | 2K x 8                                                                                          |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FLASH                                     | Program Memory Size              | 16KB (16K x 8)                                                                                  |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LVD, PWM, WDT                             | Packaging                        | Tray                                                                                            |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 32-VFQFN Exposed Pad                      | Other Names                      | 935325932557                                                                                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Internal                                  | Operating Temperature            | -40°C ~ 105°C (TA)                                                                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28                                        | 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 40MHz 16KB (16K x 8) FLASH 32-QFN (5x5) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A/D 16x12b, D/A 2x6b                      | Core Size                        | 32-Bit                                                                                          |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M0+                          | Connectivity                     | PC, 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> | <div>RFQ</div> |
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|  | Part#: <a href="#">MKE02Z32VFM4</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z32VLH2</a><br>Description: IC MCU 32BIT 32KB FLASH 64LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z32VLD2</a><br>Description: IC MCU 32BIT 32KB FLASH 44LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z64VFM4</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z32VLC4R</a><br>Description: KINETIS KE02: 40MHZ CORTEX-M0+ 5 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z32VFM4R</a><br>Description: KINETIS KE02: 40MHZ CORTEX-M0+ 5 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MKE02Z16VLC4</a><br>Description: IC MCU 32BIT 16KB FLASH 32LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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