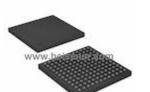




### MK40DX256VMD10 Information



For Reference Only

Part Number MK40DX256VMD10

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

**Description** IC MCU 32BIT 256KB FLASH 144BGA

Package 144-LBGA

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# MK40DX256VMD10 Specifications

| Manufacturer Part Number   | MK40DX256VMD10   |                |
|----------------------------|--|----------------|
| Manufacturer               | NXP  |                |
| Category                   | Integrated Circuits (ICs)                                  |                |
|                            | Embedded - Microcontrollers                                |                |
| Package                    | 144-LBGA   |                |
| Series                     | Kinetis K40  |                |
| Core Processor             | ARM? Cortex?-M4  |                |
| Core Size                  | 32-Bit   |                |
| Speed                      | 100MHz   |                |
| Connectivity               | CAN, EBI/EMI, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG |                |
| Peripherals                | DMA, I2S, LCD, LVD, POR, PWM, WDT                          |                |
| Number of I/O              | 98   |                |
| Program Memory Size        | 256KB (256K x 8)   |                |
| Program Memory Type        | FLASH  |                |
| EEPROM Size                | 4K x 8   |                |
| RAM Size                   | 64K x 8  |                |
| Voltage - Supply (Vcc/Vdd) | 1.71 V ~ 3.6 V   |                |
| Data Converters            | A/D 42x16b, D/A 2x12b                                      |                |
| Oscillator Type            | Internal   |                |
| Operating Temperature      | -40°C ~ 105°C (TA)   |                |
| Mounting Type              | -  |                |
| Package / Case             | 144-LBGA   |                |
| Supplier Device Package    | 144-MAPBGA (13x13)   |                |
|                            |  | Report errors? |

#### MK40DX256VMD10 Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## MK40DX256VMD10 Payment Methods



















## MK40DX256VMD10 Shipping Methods













If you have any question about MK40DX256VMD10, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com