

MK40DN512ZVLQ10 Information


For Reference Only

Part Number [MK40DN512ZVLQ10](#)
Manufacturer NXP
Category Integrated Circuits (ICs)
[Embedded - Microcontrollers](#)
Description IC MCU 32BIT 512KB FLASH 144LQFP
Package 144-LQFP
 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.


MK40DN512ZVLQ10 Specifications

Manufacturer Part Number	MK40DN512ZVLQ10
Manufacturer	NXP
Category	Integrated Circuits (ICs) Embedded - Microcontrollers
Package	144-LQFP
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	512KB (512K x 8)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	128K 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-LQFP
Supplier Device Package	144-LQFP (20x20)

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MK40DN512ZVLQ10 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.

MK40DN512ZVLQ10 Payment Methods



MK40DN512ZVLQ10 Shipping Methods



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