

MK51DN512CLL10

MK51DN512CLL10 Information



For Reference Only

Part Number MK51DN512CLL10

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 32BIT 512KB FLASH 100LQFP

Package 100-LQFI

For the pricing/inventory/lead time, please contact

us

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



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MK51DN512CLL10 Specifications

Manufacturer MK51DN512CLL10 Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 100-LQFP Series Kinetis K50 Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 100MHz Connectivity 12C, IrDA, SD, SPI, UART/USART, USB, USB OTG Peripherals DMA, 12S, LCD, LVD, POR, PWM, WDT Number of I/O 59 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 35x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)			
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Connectivity I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG Peripherals DMA, I2S, LCD, LVD, POR, PWM, WDT Number of I/O 59 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 35x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Core Size	32-Bit	
Peripherals DMA, I2S, LCD, LVD, POR, PWM, WDT Number of I/O 59 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 35x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Speed	100MHz	
Number of I/O Program Memory Size 512KB (512K x 8) Program Memory Type FLASH EEPROM Size RAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 35x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Connectivity	I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG	
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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 35x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Number of I/O	59	
EEPROM Size - 128K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 35x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Program Memory Size	512KB (512K x 8)	
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Voltage - Supply (Vcc/Vdd) $1.71 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $35x16b$, D/A $2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting Type-Package / Case 100-LQFP Supplier Device Package 100-LQFP ($14x14$)	EEPROM Size	-	
Data Converters A/D 35x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	RAM Size	128K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V	
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Data Converters	A/D 35x16b, D/A 2x12b	
Mounting Type - Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Oscillator Type	Internal	
Package / Case 100-LQFP Supplier Device Package 100-LQFP (14x14)	Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$	
Supplier Device Package 100-LQFP (14x14)	Mounting Type	-	
	Package / Case	100-LQFP	
D (0	Supplier Device Package	100-LQFP (14x14)	
Report errors?		Report en	rors?

MK51DN512CLL10 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.

MK51DN512CLL10 Payment Methods

































If you have any question about MK51DN512CLL10, please do not hesitate to contact us!

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