



NANO120LE3BN Information



For Reference Only

Part Number NANO120LE3BN

Manufacturer Nuvoton Technology Corporation of America

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 128KB FLASH 48LQFP

Package 48-LQFP

For the pricing/inventory/lead time, please contact

us

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



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NANO120LE3BN Specifications

Manufacturer Part Number NANO120LE3BN Manufacturer Nuvoton Technology Corporation of America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 48-LQFP Series NuMicro? Nano120 Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 42MHz Connectivity 12C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, 12S, POR, PWM, WDT Number of I/O 34 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 7x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package -	•	
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Series NuMicro? Nano120 Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 42MHz Connectivity 12C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 34 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 7x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP		Embedded - Microcontrollers
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Speed $42MHz$ Connectivity $12C$, SPI, UART/USART, USBPeripheralsBrown-out Detect/Reset, DMA, $12S$, POR, PWM, WDTNumber of I/O 34 Program Memory Size $128KB$ ($128K \times 8$)Program Memory TypeFLASHEEPROM Size-RAM Size $16K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 7x12b$, $D/A 2x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting Type-Package / Case 48-LQFP	Core Processor	ARM? Cortex?-M0
Connectivity I2C, SPI, UART/USART, USB Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 34 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 7x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP	Core Size	32-Bit
Peripherals Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT Number of I/O 34 Program Memory Size 128KB (128K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 7x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP	Speed	42MHz
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Program Memory Size Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 7x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 128KB (128K x 8) FLASH - ILASH - IMPACHIEVE - 16K x 8 - 18V ~ 3.6 V 1.8 V ~ 3.6 V 1	Peripherals	Brown-out Detect/Reset, DMA, I2S, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 7x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP	Number of I/O	34
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RAM Size $16K \times 8$ Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ Data Converters $A/D 7x12b, D/A 2x12b$ Oscillator Type Internal $Operating Temperature \qquad -40^{\circ}C \sim 85^{\circ}C (TA)$ Mounting Type $-$ Package / Case $48\text{-}LQFP$	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd) $1.8 \text{ V} \sim 3.6 \text{ V}$ $Data \text{ Converters} \qquad A/D 7x12b, D/A 2x12b$ $Oscillator \text{ Type} \qquad Internal}$ $Operating \text{ Temperature} \qquad -40^{\circ}\text{C} \sim 85^{\circ}\text{C (TA)}$ $Mounting \text{ Type} \qquad -$ $Package / \text{Case} \qquad 48\text{-LQFP}$	EEPROM Size	-
Data Converters A/D 7x12b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP	RAM Size	16K x 8
Oscillator Type Internal	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP	Data Converters	A/D 7x12b, D/A 2x12b
Mounting Type - Package / Case 48-LQFP	Oscillator Type	Internal
Package / Case 48-LQFP	Operating Temperature	-40°C ~ 85°C (TA)
	Mounting Type	-
Supplier Device Package -	Package / Case	48-LQFP
	Supplier Device Package	-
Report errors?		Report errors?

NANO120LE3BN 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.

NANO120LE3BN Payment Methods





















NANO120LE3BN Shipping Methods













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