



M052ZBN Information



For Reference Only

Part Number M052ZBN

Manufacturer Nuvoton Technology Corporation of America

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description IC MCU 32BIT 8KB FLASH 33QFN

Package 32-WFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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M052ZBN Specifications

Manufacturer Part Number M052ZBN Manufacturer Nuvoton Technology Corporation of America Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 32-WFQFN Exposed Pad Series NuMicro M051? BN Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 50MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -		
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Package 32-WFQFN Exposed Pad Series NuMicro M051? BN Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 50MHz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Category	Integrated Circuits (ICs)
Series NuMicro M051? BN Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 50MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -		Embedded - Microcontrollers
Core Processor ARM? Cortex?-M0 Core Size 32-Bit Speed 50MHz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Package	32-WFQFN Exposed Pad
Core Size 32-Bit Speed 50MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Series	NuMicro M051? BN
Speed50MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, POR, PWM, WDTNumber of I/O24Program Memory Size8KB (8K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size4K x 8Voltage - Supply (Vcc/Vdd)2.5 V ~ 5.5 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case32-WFQFN Exposed PadSupplier Device Package-	Core Processor	ARM? Cortex?-M0
Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Core Size	32-Bit
Peripherals Brown-out Detect/Reset, POR, PWM, WDT Number of I/O 24 Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Speed	50MHz
Number of I/O Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package -	Connectivity	I2C, IrDA, LIN, SPI, UART/USART
Program Memory Size 8KB (8K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Peripherals	Brown-out Detect/Reset, POR, PWM, WDT
Program Memory Type FLASH EEPROM Size - RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Number of I/O	24
EEPROM Size - 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Program Memory Size	8KB (8K x 8)
RAM Size 4K x 8 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 5.5 V Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)2.5 V ~ 5.5 VData ConvertersA/D 8x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case32-WFQFN Exposed PadSupplier Device Package-	EEPROM Size	-
Data Converters A/D 8x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	RAM Size	4K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Data Converters	A/D 8x12b
Mounting Type - Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Oscillator Type	Internal
Package / Case 32-WFQFN Exposed Pad Supplier Device Package -	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package -	Mounting Type	-
	Package / Case	32-WFQFN Exposed Pad
	Supplier Device Package	-
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Quality Guarantees

We provide 90 days warranty. *

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Service Guarantees

We guarantee 100% customer satisfaction.

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

M052ZBN Payment Methods



















M052ZBN Shipping Methods













If you have any question about M052ZBN, please do not hesitate to contact us!

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