



STM32L031C4T6 Information

Manufa Categor Heisener.com

Part Number STM32L031C4T6

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)
Embedded - Microcontrollers

Description IC MCU 32BIT 16KB FLASH 48LQFP

Package 48-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

For Reference Only

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.









STM32L031C4T6 Specifications

Manufacturer Part Number STM32L03IC4T6 Manufacturer STMicroelectronics Category Integrated Circuits (ICs) Package 48-LQFP Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32-Mtz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	•		
Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 48-LQFP Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Manufacturer Part Number	STM32L031C4T6	
Backage 48-LQFP Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Manufacturer	STMicroelectronics	
Package 48-LQFP Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Category	Integrated Circuits (ICs)	
Series STM32 L0 Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32MHz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP		Embedded - Microcontrollers	
Core Processor ARM? Cortex?-M0+ Core Size 32-Bit Speed 32-MHz Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature 4-0°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Package	48-LQFP	
Core Size 32-Bit Speed 32MHz Connectivity I2C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Series	STM32 L0	
Speed32MHzConnectivityI2C, IrDA, LIN, SPI, UART/USARTPeripheralsBrown-out Detect/Reset, DMA, POR, PWM, WDTNumber of I/O38Program Memory Size16KB (16K x 8)Program Memory TypeFLASHEEPROM Size1K x 8RAM Size8K x 8Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP	Core Processor	ARM? Cortex?-M0+	
Connectivity 12C, IrDA, LIN, SPI, UART/USART Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type Package / Case 48-LQFP Supplier Device Package 48-LQFP	Core Size	32-Bit	
Peripherals Brown-out Detect/Reset, DMA, POR, PWM, WDT Number of I/O 38 Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Speed	32MHz	
Number of I/O Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case Supplier Device Package 48-LQFP	Connectivity	I2C, IrDA, LIN, SPI, UART/USART	
Program Memory Size 16KB (16K x 8) Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	
Program Memory Type FLASH EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Number of I/O	38	
EEPROM Size 1K x 8 RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Program Memory Size	16KB (16K x 8)	
RAM Size 8K x 8 Voltage - Supply (Vcc/Vdd) 1.8 V ~ 3.6 V Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.8 V ~ 3.6 VData ConvertersA/D 10x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case48-LQFPSupplier Device Package48-LQFP	EEPROM Size	1K x 8	
Data Converters A/D 10x12b Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	RAM Size	8K x 8	
Oscillator Type Internal Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 3.6 V	
Operating Temperature -40°C ~ 85°C (TA) Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Data Converters	A/D 10x12b	
Mounting Type - Package / Case 48-LQFP Supplier Device Package 48-LQFP	Oscillator Type	Internal	
Package / Case 48-LQFP Supplier Device Package 48-LQFP	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package 48-LQFP	Mounting Type	-	
••	Package / Case	48-LQFP	
Report errors?	Supplier Device Package	48-LQFP	
		Report err	ors?

STM32L031C4T6 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.

STM32L031C4T6 Payment Methods



















STM32L031C4T6 Shipping Methods













If you have any question about STM32L031C4T6, please do not hesitate to contact us!

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