



Image may be representation.
See specifications for product details.



STM32L151VCT6

Manufacturer Part Number	STM32L151VCT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L151VCT6
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 256KB FLASH 100LQFP
Package	100-LQFP
Data sheet	STM32L151xC,152xC Datasheet.pdf STM32F(10,20,21,L1)zzz Prog. Manual.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32L151VCT6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L151VCT6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L151VCT6 Tech Specifications

STM32L151VCT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	100-LQFP (14x14)	Number of I/O	83
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L1	EEPROM Size	8K x 8
RAM Size	32K x 8	Data Converters	A/D 25x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	100-LQFP	Base Product Number	STM32L151
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L151VCT6

Product Attribute					
Part Number	STM32L151VCT6	STM32L151VET7	STM32L151VDT6	STM32L151VCH6	
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount	
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	
Package	Tray	Tray	Tray	Tray	
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	
Base Product Number	STM32L151	STM32L151	STM32L151	STM32L151	
Program Memory Size	256KB (256K x 8)	512KB (512K x 8)	384KB (384K x 8)	256KB (256K x 8)	
Data Converters	A/D 25x12b; D/A 2x12b	A/D 25x12b; D/A 2x12b	A/D 25x12b; D/A 2x12b	A/D 25x12b; D/A 2x12b	
RAM Size	32K x 8	80K x 8	48K x 8	32K x 8	
Package / Case	100-LQFP	100-LQFP	100-LQFP	100-UFBGA	
EEPROM Size	8K x 8	16K x 8	12K x 8	8K x 8	
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I²S, POR, PWM, WDT	
Oscillator Type	Internal	Internal	Internal	Internal	
Program Memory Type	FLASH	FLASH	FLASH	FLASH	
Series	STM32L1	STM32L1	STM32L1	STM32L1	
Number of I/O	83	83	83	83	
Speed	32MHz	32MHz	32MHz	32MHz	
Supplier Device Package	100-LQFP (14x14)	100-LQFP (14x14)	100-LQFP (14x14)	100-UFBGA (7x7)	
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB	
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	

STM32L151VCT6 Datasheet PDF

Download STM32L151VCT6 pdf datasheets and STMicroelectronics documentation for STM32L151VCT6 - STMicroelectronics.

PCN Packaging

[Material Barrier Bag 17/Dec/2020.pdf](#)

[Box Label Chg 28/Jul/2016.pdf](#)

PCN Assembly/Origin

2.73KHz.pdf

PCN Design/Specification

Cylindrical Battery Holders.pdf



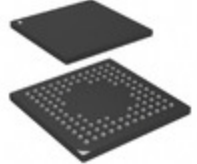










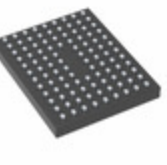


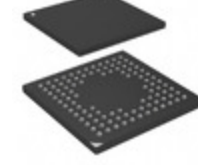
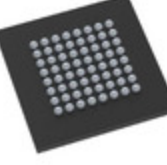
HTML Datasheet

STM32L151xC,152xC Datasheet.pdf

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Customers Also Interested in

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 STM32L151VET6,32 STMicroelectronics	 STM32L151VCT6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 100LQFP	 STM32L151RET6 STMicroelectronics IC MCU 32BIT 512KB FLASH 64LQFP	 STM32L151VBT6A STMicroelectronics IC MCU 32BIT 128KB FLASH 100LQFP	 STM32L151UCY6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 63WLCSP	 STM32L151V8H6 STMicroelectronics IC MCU 32BIT 64KB FLASH 100LQFP
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Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support


The payment method can be chosen from the methods shown below:
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