



Image may be representation.
See specifications for product details.



STM32L151RET6

Manufacturer Part Number	STM32L151RET6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L151RET6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F(10,20,21,L1)zzz Prog. Manual.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32L151RET6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L151RET6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L151RET6 Tech Specifications
STM32L151RET6 - 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	64-LQFP (10x10)	Number of I/O	51
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L1	EEPROM Size	16K x 8
RAM Size	80K x 8	Data Converters	A/D 21x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT	Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	STM32L151
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L151RET6

Product Attribute				
Part Number	STM32L151RET6	STM32L151RDT6	STM32L151RCT6A	STM32L151VBH6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.65V ~ 3.6V	1.8V ~ 3.6V
Speed	32MHz	32MHz	32MHz	32MHz
EEPROM Size	16K x 8	12K x 8	8K x 8	4K x 8
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	64-LQFP (10x10)	100-UFBGA (7x7)
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Connectivity	I ² C, IrDA, LINbus, SPI, UART/USART, USB	I ² C, IrDA, LINbus, SPI, UART/USART, USB	I ² C, IrDA, LINbus, SPI, UART/USART, USB	I ² C, IrDA, LINbus, SPI, UART/USART, USB
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT	Cap Sense, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, Cap Sense, DMA, I ² S, POR, PWM, WDT
Series	STM32L1	STM32L1	STM32L1	STM32L1
RAM Size	80K x 8	48K x 8	32K x 8	16K x 8
Data Converters	A/D 21x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 24x12b; D/A 2x12b
Number of I/O	51	51	51	83
Package / Case	64-LQFP	64-LQFP	64-LQFP	100-UFBGA
Base Product Number	STM32L151	STM32L151	STM32L151	STM32L151
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Program Memory Size	512KB (512K x 8)	384KB (384K x 8)	256KB (256K x 8)	128KB (128K x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tray	Tray	Tray

STM32L151RET6 Datasheet PDF

Download STM32L151RET6 pdf datasheets and STMicroelectronics documentation for STM32L151RET6 - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

PCN Design/Specification

Die Revision 21/Dec/2015.pdf

HTML Datasheet

STM32F(10,20,21,L1)zzz Prog. Manual.pdf

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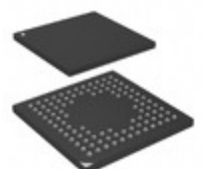
STM32L151RDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP



STM32L151RCT6A

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



STM32L151VBH6

STMicroelectronics
IC MCU 32BIT 128KB FLSH 100UFBGA



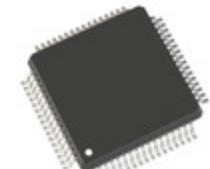
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IC MCU 32BIT 256KB FLASH 100LQFP



STM32L151VBT6A

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IC MCU 32BIT 128KB FLASH 100LQFP



STM32L151RBT6ATR

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



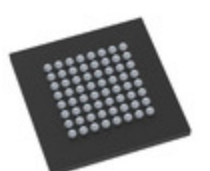
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IC MCU 32BIT 256KB FLASH 100LQFP



STM32L151V8T6A

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IC MCU 32BIT 64KB FLASH 100LQFP



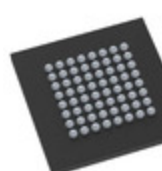
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STMicroelectronics
IC MCU 32BIT 384KB FLASH 64WLCS



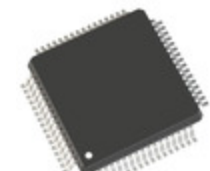
STM32L151V8H6

STMicroelectronics
IC MCU 32BIT 64KB FLASH 100LQFP



STM32L151RCY6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64WLCS



STM32L151RBT6A

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32L151RDT6TR

STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP



STM32L151VBT6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 100LQFP



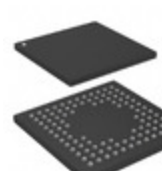
STM32L151RBT6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64LQFP



STM32L151RCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



STM32L151VCH6

STMicroelectronics
IC MCU 32BIT 256KB FLSH 100UFBGA



STM32L151UCY6TR

STMicroelectronics
IC MCU 32BIT 256KB FLASH 63WLCS

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 Alleco 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:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



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Email

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Certifications & Memberships



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