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See specifications for product details.



STM32L151RBT6A

Manufacturer Part Number **STM32L151RBT6A**

Manufacturer **STMicroelectronics**

Allelco Part Number **32D-STM32L151RBT6A**

ECAD Model **PCB Symbol, Footprint & 3D Model**

Parts Description **IC MCU 32BIT 128KB FLASH 64LQFP**

Package **64-LQFP**

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

STM32L(151,152)x(6,8,B-A).pdf

RoHs Status **ROHS3 Compliant**

Get a Quote

STM32L151RBT6A - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L151RBT6A datasheet/specifications on AllelcoElec.com.

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Specifications

STM32L151RBT6A Tech Specifications

STM32L151RBT6A - 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	4K x 8
RAM Size	32K x 8	Data Converters	A/D 20x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K 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	64-LQFP	Base Product Number	STM32L151
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L151RBT6A

Product Attribute				
Part Number	STM32L151RBT6A	STM32L151RBH6ATR	STM32L151UCY6TR	STM32L151R8T6A
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 20x12b; D/A 2x12b	A/D 20x12b; D/A 2x12b	A/D 21x12b; D/A 2x12b	A/D 20x12b; D/A 2x12b
Base Product Number	STM32L151	STM32L151	STM32L151	STM32L151
Series	STM32L1	STM32L1	STM32L1	STM32L1
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M3
Number of I/O	51	51	51	51
Speed	32MHz	32MHz	32MHz	32MHz
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
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
EEPROM Size	4K x 8	4K x 8	8K x 8	4K x 8
Package / Case	64-LQFP	64-TFBGA	63-UFBGA, WLCSP	64-LQFP
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
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Size	128KB (128K x 8)	128KB (128K x 8)	256KB (256K x 8)	64KB (64K x 8)
RAM Size	32K x 8	32K x 8	32K x 8	32K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Supplier Device Package	64-LQFP (10x10)	64-TFBGA (5x5)	63-WLCSP (3.23x4.16)	64-LQFP (10x10)

STM32L151RBT6A Datasheet PDF

Download STM32L151RBT6A pdf datasheets and STMicroelectronics documentation for STM32L151RBT6A - STMicroelectronics.

PCN Packaging



Material Barrier Bag 17/Dec/2020.pdf



Box Label Chg 28/Jul/2016.pdf

PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

PCN Design/Specification

Cylindrical Battery Holders.pdf

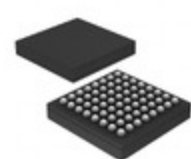
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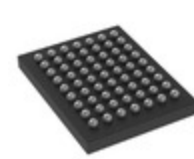
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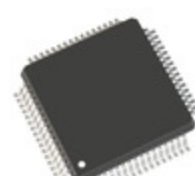
STM32L151RBH6ATR

STMicroelectronics
IC MCU 32BIT 128KB FLASH
64TFBGA



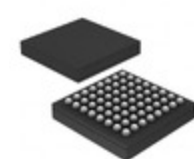
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STMicroelectronics
IC MCU 32BIT 256KB FLASH
63WLCSF



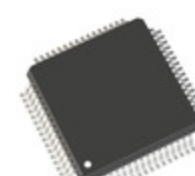
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IC MCU 32BIT 64KB FLASH 64LQFP



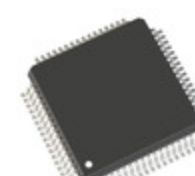
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IC MCU 32BIT 64KB FLASH 64BGA



STM32L151RET6

STMicroelectronics
IC MCU 32BIT 512KB FLASH 64LQFP



STM32L151RCT6

STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



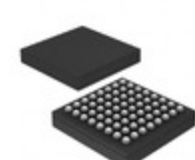
STM32L151RDY6TR

STMicroelectronics
IC MCU 32BIT 384KB FLASH
64WLCSF



STM32L151RDT6

STMicroelectronics
IC MCU 32BIT 384KB FLASH 64LQFP



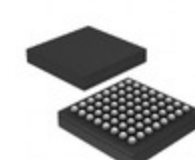
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STMicroelectronics
IC MCU 32BIT 128KB FLASH 64BGA



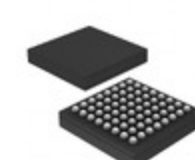
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STMicroelectronics
IC MCU 32BIT 256KB FLASH 64LQFP



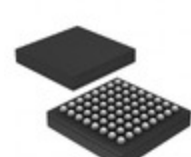
STM32L151RBH6TTR

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64BGA



STM32L151RBH6A

STMicroelectronics
IC MCU 32BIT 128KB FLASH
64TFBGA



STM32L151RBH6

STMicroelectronics
IC MCU 32BIT 128KB FLASH 64BGA



STM32L151RBT6

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IC MCU 32BIT 128KB FLASH 64LQFP



STM32L151RDT6TR

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IC MCU 32BIT 384KB FLASH 64LQFP



STM32L151RBH6TR-C9

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STM32L151RCY6TR

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IC MCU 32BIT 256KB FLASH
64WLCSF



STM32L151RBT6ATR

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IC MCU 32BIT 128KB FLASH 64LQFP

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:

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.



Phone

+00852 9146 4856



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Certifications & Memberships



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