




Image may be representation.  
See specifications for product details.

## STM32L100R8T6

Manufacturer Part Number	STM32L100R8T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L100R8T6
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32L100C6,R8,RB Datasheet.pdf
RoHs Status	 ROHS3 Compliant



STM32L100R8T6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L100R8T6 datasheet/specifications on AllelcoElec.com.

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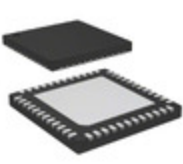
### Specifications

STM32L100R8T6 Tech Specifications  
STM32L100R8T6 - 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	2K x 8
RAM Size	8K x 8	Data Converters	A/D 20x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M3
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	STM32L100
Package	Tray		

### Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STM32L100R8T6

Product Attribute				
Part Number	STM32L100R8T6	STM32L100RBT6TR	STM32L083CBT6	STM32L100C6U6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
RAM Size	8K x 8	16K x 8	20K x 8	4K x 8
Speed	32MHz	32MHz	32MHz	32MHz
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	48-LQFP (7x7)	-
Series	STM32L1	STM32L1	STM32L0	STM32L1
Peripherals	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, POR, PWM, WDT
Number of I/O	51	51	40	37
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	ARM® Cortex®-M0+	ARM® Cortex®-M3
Connectivity	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART, USB	I²C, IrDA, LINbus, SPI, UART/USART, USB	I²C, SPI, UART/USART, USB
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	128KB (128K x 8)	32KB (32K x 8)
Package / Case	64-LQFP	64-LQFP	48-LQFP	48-UFQFN Exposed Pad
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 20x12b; D/A 2x12b	A/D 20x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
EEPROM Size	2K x 8	2K x 8	6K x 8	2K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
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)
Base Product Number	STM32L100	STM32L100	STM32L083	STM32L100

### STM32L100R8T6 Datasheet PDF


Download STM32L100R8T6 pdf datasheets and STMicroelectronics documentation for STM32L100R8T6 - STMicroelectronics.


#### PCN Packaging


 2.73KHz.pdf

#### PCN Design/Specification


 Mult Dev 03/Nov/2022.pdf

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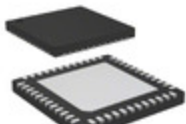
Recommended Products




**STM32L100RBT6TR**  
STMicroelectronics  
IC MCU 32BIT 128KB FLASH 64LQFP




**STM32L083CBT6**  
STMicroelectronics  
IC MCU 32BIT 128KB FLASH 48LQFP




**STM32L100C6U6**  
STMicroelectronics  
IC MCU 32BIT 32KB FLASH 48QFN



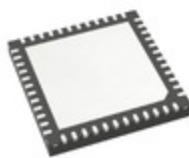
**STM32L100RBT6ATR**  
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STMicroelectronics  
IC MCU 32BIT 192KB FLASH 64LQFP




**STM32L100RBT6A**  
STMicroelectronics  
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**STM32L100R8T6A**  
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**STM32L081KZU6TR**  
STMicroelectronics  
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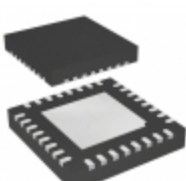
**STM32L083VBT6**  
STMicroelectronics  
IC MCU 32BIT 128KB FLASH 100LQFP




**STM32L151C6T6TR**  
STMicroelectronics  
IC MCU 32BIT 32KB FLASH 48LQFP




**STM32L100RCT6TR**  
STMicroelectronics  
IC MCU 32BIT 256KB FLASH 64LQFP




**STM32L081KZU6**  
STMicroelectronics  
IC MCU 32BIT 192KB FLSH 32UFQFPN



**STM32L081CBT6TR**  
STMicroelectronics  
IC MCU 32BIT 128KB FLASH 48LQFP



**STM32L100RBT6**  
STMicroelectronics  
IC MCU 32BIT 128KB FLASH 64LQFP



**STM32L083V8T6**  
STMicroelectronics  
IC MCU 32BIT 64KB FLASH 100LQFP

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.


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