STM8L151R8T6

Manufacturer Part Number	STM8L151R8T6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM8L151R8T6
ECAD Model	3D PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 8BIT 64KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM8L151x(6,8), 152x(6,8).pdf
RoHS Status	ROHS3 Compliant

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STM8L151R8T6 - STMicroelectronics.New Original in Stock. Download Linear Technology STM8L151R8T6 datasheet/specifications on AllelcoElec.com.
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Specifications

STM8L151R8T6 Tech Specifications
STM8L151R8T6 - 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	54
Speed	16MHz	Mounting Type	Surface Mount
Series	STM8L EnergyLite	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 28x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	64KB (64K x 8)	Core Processor	STM8
Peripherals	Brown-out Detect/Reset, DMA, IR, POR, PWM, WDT	Connectivity	I²C, IrDA, SPI, UART/USART
Package / Case	64-LQFP	Base Product Number	STM8
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8L151R8T6

Product Attribute				
Part Number	STM8L151R8T6	STM8L151K4T6TR	STM8L152C6U6	STM8L151K6T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	64-LQFP	32-LQFP	48-UFQFN Exposed Pad	32-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	STM8	STM8	STM8	STM8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Number of I/O	54	30	41	30
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	2K x 8	1K x 8	1K x 8	1K x 8
Package	Tray	Tape & Reel (TR)	Tray	Tray
Peripherals	Brown-out Detect/Reset, DMA, IR, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, IR, POR, PWM, WDT
Program Memory Size	64KB (64K x 8)	16KB (16K x 8)	32KB (32K x 8)	32KB (32K x 8)
Data Converters	A/D 28x12b; D/A 2x12b	A/D 22x12b; D/A 1x12b	A/D 25x12b; D/A 1x12b	A/D 22x12b; D/A 1x12b
Core Processor	STM8	STM8	STM8	STM8
Connectivity	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART
Supplier Device Package	64-LQFP (10x10)	32-LQFP (7x7)	48-UFQFPN (7x7)	32-LQFP (7x7)
RAM Size	4K x 8	2K x 8	2K x 8	2K x 8
Speed	16MHz	16MHz	16MHz	16MHz
Series	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite

STM8L151R8T6 Datasheet PDF

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PCN Packaging

📄 2.73KHz.pdf

PCN Design/Specification

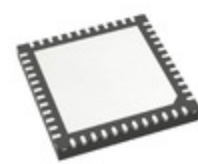📄 Mult Dev 03/Nov/2022.pdf   📄 Mult Dev Assembly Chg 2/Jul/2019.pdf

PCN Assembly/Origin
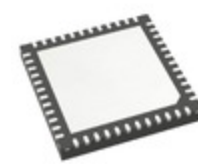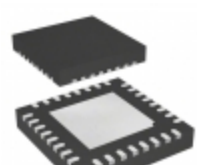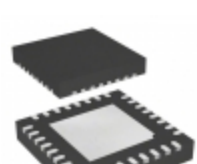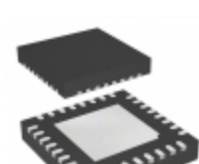
📄 2.73KHz.pdf

HTML Datasheet

📄 STM8L151x(6,8), 152x(6,8).pdf

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STM8L151K4T6TR	**STM8L152C6U6**	**STM8L151K6T6**	**STM8L152C8T6TR**	**STM8L152C8U6**	**STM8L152C6T6,32**
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 16KB FLASH 32LQFP	IC MCU 8BIT 32KB FLASH 48UFQFPN	IC MCU 8BIT 32KB FLASH 32LQFP	IC MCU 8BIT 64KB FLASH 48LQFP	IC MCU 8BIT 64KB FLASH 48UFQFPN	

STM8L151K6U6	**STM8L151R6T6TR**	**STM8L151K6T6TR**	**STM8L152C6T6**	**STM8L151R6T6**	**STM8L151K6U**
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 32KB FLASH 32UFQFPN	IC MCU 8BIT 32KB FLASH 64LQFP	IC MCU 8BIT 32KB FLASH 32LQFP	IC MCU 8BIT 32KB FLASH 48LQFP	IC MCU 8BIT 32KB FLASH 64LQFP	

STM8L151K4U6TR	**STM8L152C6T6TR**	**STM8L152C8T6**	**STM8L151K4U6**	**STM8L152C4T6**	**STM8L151M8T6**
STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IC MCU 8BIT 16KB FLASH 32UFQFPN	IC MCU 8BIT 32KB FLASH 48LQFP	IC MCU 8BIT 64KB FLASH 48LQFP	IC MCU 8BIT 16KB FLASH 32UFQFPN	IC MCU 8BIT 16KB FLASH 48LQFP	IC MCU 8BIT 64KB FLASH 80LQFP

🟩 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.

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