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See specifications for product details.



STM8L152C8T6TR

Manufacturer Part Number	STM8L152C8T6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM8L152C8T6TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 64KB FLASH 48LQFP
Package	48-LQFP
Data sheet	STM8L151x(6,8), 152x(6,8).pdf
RoHs Status	ROHS3 Compliant

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STM8L152C8T6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM8L152C8T6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM8L152C8T6TR Tech Specifications
STM8L152C8T6TR - 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	48-LQFP (7x7)	Number of I/O	41
Speed	16MHz	Mounting Type	Surface Mount
Series	STM8L EnergyLite	EEPROM Size	2K x 8
RAM Size	4K x 8	Data Converters	A/D 25x12b; D/A 1x12b
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, LCD, POR, PWM, WDT	Connectivity	I ² C, IrDA, SPI, UART/USART
Package / Case	48-LQFP	Base Product Number	STM8
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM8L152C8T6TR

Product Attribute				
Part Number	STM8L152C8T6TR	STM8L151R6T6TR	STM8L152K4T6	STM8L152M8T6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Converters	A/D 25x12b; D/A 1x12b	A/D 28x12b; D/A 2x12b	A/D 21x12b; D/A 1x12b	A/D 28x12b; D/A 2x12b
Supplier Device Package	48-LQFP (7x7)	64-LQFP (10x10)	32-LQFP (7x7)	80-LQFP (14x14)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Oscillator Type	Internal	Internal	Internal	Internal
Number of I/O	41	54	29	68
Series	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite	STM8L EnergyLite
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Connectivity	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART
Core Processor	STM8	STM8	STM8	STM8
Base Product Number	STM8	STM8	STM8	STM8
Program Memory Size	64KB (64K x 8)	32KB (32K x 8)	16KB (16K x 8)	64KB (64K x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	16MHz	16MHz	16MHz	16MHz
RAM Size	4K x 8	2K x 8	2K x 8	4K x 8
Peripherals	Brown-out Detect/Reset, DMA, IR, LCD, 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, LCD, POR, PWM, WDT
Package / Case	48-LQFP	64-LQFP	32-LQFP	80-LQFP
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	2K x 8	1K x 8	1K x 8	2K x 8

STM8L152C8T6TR Datasheet PDF

Download STM8L152C8T6TR pdf datasheets and STMicroelectronics documentation for STM8L152C8T6TR - STMicroelectronics.

PCN Packaging

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


PCN Design/Specification

[Mult Dev 03/Nov/2022.pdf](#)

PCN Assembly/Origin

 Mult Dev A/T/ Chgs 4/Oct/2021.pdf

HTML Datasheet

 STM8L151x(6,8), 152x(6,8).pdf

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Recommended Products



STM8L151R6T6TR

STMicroelectronics
IC MCU 8BIT 32KB FLASH 64LQFP



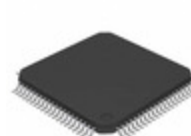
STM8L152C6T6,32

STMicroelectronics



STM8L152K4T6

STMicroelectronics
IC MCU 8BIT 16KB FLASH 32LQFP



STM8L152M8T6TR

STMicroelectronics
IC MCU 8BIT 64KB FLASH 80LQFP



STM8L152C6T6TR

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IC MCU 8BIT 32KB FLASH 48LQFP



STM8L152C8T6

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IC MCU 8BIT 64KB FLASH 48LQFP



STM8L152R8T6

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IC MCU 8BIT 64KB FLASH 64LQFP



STM8L152M8T6

STMicroelectronics
IC MCU 8BIT 64KB FLASH 80LQFP



STM8L152R6T6

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IC MCU 8BIT 32KB FLASH 64LQFP



STM8L152C6U6

STMicroelectronics
IC MCU 8BIT 32KB FLASH 48UFQFPN



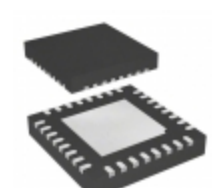
STM8L152K4T6TR

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IC MCU 8BIT 16KB FLASH 32LQFP



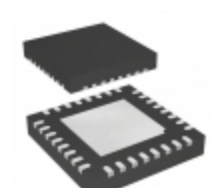
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IC MCU 8BIT 64KB FLASH 48UFQFPN



STM8L152K4U6

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IC MCU 8BIT 16KB FLASH 32UFQFPN



STM8L152K6U6

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IC MCU 8BIT 32KB FLASH 32UFQFPN



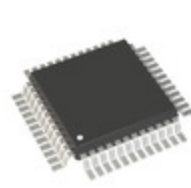
STM8L151R8T6

STMicroelectronics
IC MCU 8BIT 64KB FLASH 64LQFP



STM8L152C4T6

STMicroelectronics
IC MCU 8BIT 16KB FLASH 48LQFP



STM8L152K6T6

STMicroelectronics
IC MCU 8BIT 32KB FLASH 32LQFP



STM8L152C6T6

STMicroelectronics
IC MCU 8BIT 32KB FLASH 48LQFP

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.



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Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



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