



Image may be representation.
See specifications for product details.



STM32L053R8T6TR

Manufacturer Part Number	STM32L053R8T6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L053R8T6TR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 64KB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32L0 Series Programming Manual.pdf STM32L053x6, x8 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STM32L053R8T6TR - STMicroelectronics.New Original in Stock. Download Linear Technology STM32L053R8T6TR datasheet/specifications on AllelcoElec.com.
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Specifications

STM32L053R8T6TR Tech Specifications
STM32L053R8T6TR - 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	STM32L0	EEPROM Size	2K x 8
RAM Size	8K x 8	Data Converters	A/D 16x12b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Connectivity	I ² C, IrDA, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	STM32L053
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L053R8T6TR

Product Attribute				
Part Number	STM32L053R8T6TR	STM32L052K8U6TR	STM32L071CBT6TR	STM32L063R8T6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 16x12b; D/A 1x12b	A/D 10x12b; D/A 1x12b	A/D 13x12b	A/D 16x12b; D/A 1x12b
EEPROM Size	2K x 8	2K x 8	6K x 8	2K x 8
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V
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 Size	64KB (64K x 8)	64KB (64K x 8)	128KB (128K x 8)	64KB (64K x 8)
RAM Size	8K x 8	8K x 8	20K x 8	8K x 8
Speed	32MHz	32MHz	32MHz	32MHz
Supplier Device Package	64-LQFP (10x10)	32-UFQFPN (5x5)	48-LQFP (7x7)	64-LQFP (10x10)
Base Product Number	STM32L053	STM32L052	STM32L071	STM32L063
Package / Case	64-LQFP	32-UFQFN Exposed Pad	48-LQFP	64-LQFP
Connectivity	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART, USB	I ² C, IrDA, SPI, UART/USART	I ² C, IrDA, SPI, UART/USART, USB
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Number of I/O	51	27	37	51
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, 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)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Series	STM32L0	STM32L0	STM32L0	STM32L0

STM32L053R8T6TR Datasheet PDF

Download STM32L053R8T6TR pdf datasheets and STMicroelectronics documentation for STM32L053R8T6TR - STMicroelectronics.

PCN Packaging

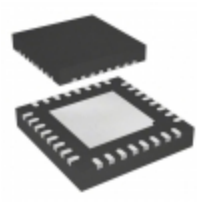










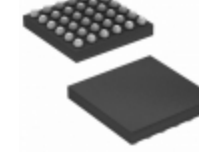





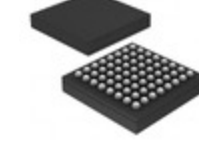
[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Assembly/Origin

HTML Datasheet

Customers Also Interested in

Recommended Products

					
STM32L052K8U6TR STMicroelectronics IC MCU 32BIT 64KB FLASH 32UFQFPN	STM32L071CBT6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32L063R8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	STM32L053C8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	STM32L071CZT6 STMicroelectronics IC MCU 32BIT 192KB FLASH 48LQFP	STM32L053C6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP
					
STM32L053R6T6 STMicroelectronics IC MCU 32BIT 32KB FLASH 64LQFP	STM32L071CBY6TR STMicroelectronics IC MCU 32BIT 128KB FLASH 49WLCSF	STM32L071CBT6,32 STMicroelectronics	STM32L053C8T6TR STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	STM32L053R8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	STM32L052T8Y6TR STMicroelectronics IC MCU 32BIT 64KB FLASH 36WLCSP
					
STM32L071CZT6TR STMicroelectronics IC MCU 32BIT 192KB FLASH 48LQFP	STM32L071CZY6TR STMicroelectronics IC MCU 32BIT 192KB FLASH 49WLCSF	STM32L071CBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48LQFP	STM32L071C8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	STM32L052R8T6 STMicroelectronics IC MCU 32BIT 64KB FLASH 64LQFP	STM32L052R6H6 STMicroelectronics IC MCU 32BIT 32KB FLASH 64TFBGA

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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Contact us if you have any questions.

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Certifications & Memberships



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