



STM32L433RCI6TR

Manufacturer Part Number	STM32L433RCI6TR
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32L433RCI6TR
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 256KB FLASH 64UFBGA
Package	64-UFBGA
Data sheet	STM32L433RCI6TR.pdf
RoHs Status	ROHS3 Compliant



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Specifications

STM32L433RCI6TR Tech Specifications
STM32L433RCI6TR - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-UFBGA (5x5)	Number of I/O	52
Speed	80MHz	Mounting Type	Surface Mount
Series	STM32L4	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB
Package / Case	64-UFBGA	Base Product Number	STM32L433
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L433RCI6TR

Product Attribute				
Part Number	STM32L433RCI6TR	STM32L443CCT6	STM32L433CCU3	STM32L433CBT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Data Converters	A/D 16x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b	A/D 10x12b; D/A 2x12b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB	CANbus, I ² C, IrDA, LINbus, MMC/SD, QSPI, SAI, SPI, SWPMI, UART/USART, USB
Package / Case	64-UFBGA	48-LQFP	48-UFQFN Exposed Pad	48-LQFP
Oscillator Type	Internal	Internal	Internal	Internal
Base Product Number	STM32L433	STM32L443	STM32L433	STM32L433
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	52	38	38	38
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tape & Reel (TR)	Tray	Tray	Tray
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	256KB (256K x 8)	128KB (128K x 8)
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Series	STM32L4	STM32L4	STM32L4	STM32L4
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Speed	80MHz	80MHz	80MHz	80MHz
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
Peripherals	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT	Brown-out Detect/Reset, DMA, LCD, PWM, WDT
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Supplier Device Package	64-UFBGA (5x5)	48-LQFP (7x7)	48-UFQFPN (7x7)	48-LQFP (7x7)
EEPROM Size	-	-	-	-

STM32L433RCI6TR Datasheet PDF

Download STM32L433RCI6TR pdf datasheets and STMicroelectronics documentation for STM32L433RCI6TR - STMicroelectronics.

PCN Packaging

Material Barrier Bag 17/Dec/2020.pdf

PCN Design/Specification

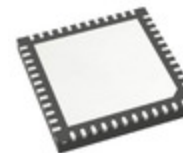

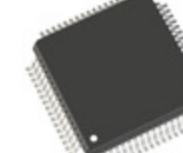

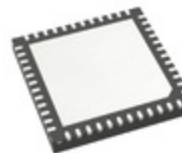
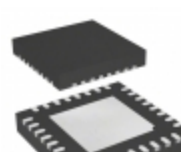


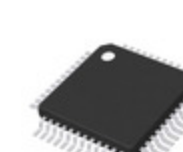



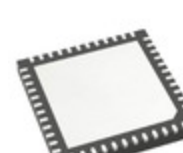

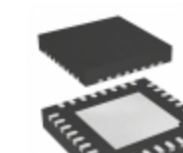

STM32L4/4+ DS Update 30/May/2018.pdf

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 Mult Dev A/T Chgs 13/Dec/2021.pdf

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STM32L442KCU6 STMicroelectronics IC MCU 32BIT 256KB FLASH 32UFQFPN	STM32L433CCY6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 49WLCP	STM32L433RBT6 STMicroelectronics IC MCU 32BIT 128KB FLASH 64LQFP	STM32L433CCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	STM32L433RCI6 STMicroelectronics IC MCU 32BIT 256KB FLASH 64UFBGA	STM32L433CCU6 STMicroelectronics IC MCU 32BIT 256KB FLASH 48UFQFPN
					
STM32L433RCI3 STMicroelectronics IC MCU 32BIT 256KB FLASH 64UFBGA	STM32L443CCU6 STMicroelectronics IC MCU 32BIT 256KB FLASH 48UFQFPN	STM32L433RCT6 STMicroelectronics IC MCU 32BIT 256KB FLASH 64LQFP	STM32L433RCT6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 48LQFP	STM32L442KCU6TR STMicroelectronics IC MCU 32BIT 256KB FLASH 32UFQFPN	STM32L433CBU6 STMicroelectronics IC MCU 32BIT 128KB FLASH 48UFQFPN

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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