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See specifications for product details.



## STM32L031K6T7

Manufacturer Part Number	<b>STM32L031K6T7</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STM32L031K6T7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 32KB FLASH 32LQFP
Package	32-LQFP
Data sheet	<a href="#">STM32F0,STM32L0 Getting Started.pdf</a> <a href="#">STM32L0 Series Programming Manual.pdf</a> <a href="#">STM32L031x4 ,x6.pdf</a>
RoHs Status	ROHS3 Compliant

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## Specifications

STM32L031K6T7 Tech Specifications  
STM32L031K6T7 - 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 ~ 105°C (TA)
Supplier Device Package	32-LQFP (7x7)	Number of I/O	25
Speed	32MHz	Mounting Type	Surface Mount
Series	STM32L0	EEPROM Size	1K x 8
RAM Size	8K x 8	Data Converters	A/D 10x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	32KB (32K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	32-LQFP	Base Product Number	STM32L031
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STM32L031K6T7

Product Attribute				
Part Number	STM32L031K6T7	STM32L051C8T7TR	STM32L051C8T6TR	STM32L031G6U6TR
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.65V ~ 3.6V	1.65V ~ 3.6V	1.8V ~ 3.6V
EEPROM Size	1K x 8	2K x 8	2K x 8	1K x 8
Data Converters	A/D 10x12b	A/D 10x12b	A/D 10x12b	A/D 10x12b
Series	STM32L0	STM32L0	STM32L0	STM32L0
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Supplier Device Package	32-LQFP (7x7)	48-LQFP (7x7)	48-LQFP (7x7)	28-UFQFPN (4x4)
Oscillator Type	Internal	Internal	Internal	Internal
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	8K x 8	8K x 8	8K x 8	8K x 8
Program Memory Size	32KB (32K x 8)	64KB (64K x 8)	64KB (64K x 8)	32KB (32K x 8)
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Number of I/O	25	37	37	21
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	32-LQFP	48-LQFP	48-LQFP	28-UFQFN
Base Product Number	STM32L031	STM32L051	STM32L051	STM32L031
Speed	32MHz	32MHz	32MHz	32MHz

## STM32L031K6T7 Datasheet PDF

Download STM32L031K6T7 pdf datasheets and STMicroelectronics documentation for STM32L031K6T7 - STMicroelectronics.

### Datasheets

STM32L031x4 ,x6.pdf

### PCN Packaging

2.73KHz.pdf

### PCN Assembly/Origin

STM8/STM32 10/Mar/2020.pdf

### PCN Design/Specification

Datasheet Chg 07/Mar/2016.pdf

Die redesign/Mask set Chg 23/Feb/2016.pdf



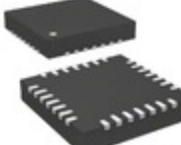


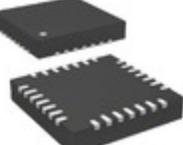


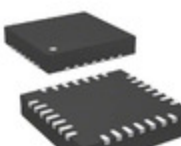

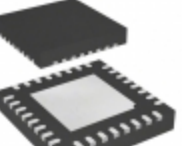
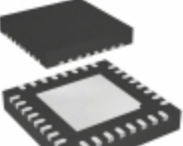


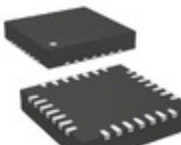

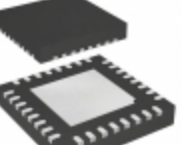

### HTML Datasheet

STM32F0,STM32L0 Getting Started.pdf

STM32L0 Series Programming Manual.pdf

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### Recommended Products

					
<b>STM32L051C8T7TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	<b>STM32L051C8T6TR</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	<b>STM32L031G6U6TR</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN		<b>STM32L051C8T3</b> STMicroelectronics IC MCU 32BIT 64KB FLASH 48LQFP	<b>STM32L031G6U6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN
					
<b>STM32L051C6T6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 48LQFP	<b>STM32L041F6P7</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 20TSSOP	<b>STM32L031G6U7</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN		<b>STM32L031K6U6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 32UFQFPN	<b>STM32L031K6U6TR</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 32UFQFPN
					
<b>STM32L031K6T6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP	<b>STM32L031F6P7</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 20TSSOP	<b>STM32L031G6U3</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 28UFQFPN	<b>STM32L051K6T6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 32LQFP	<b>STM32L051K6U6</b> STMicroelectronics IC MCU 32BIT 32KB FLASH 32UFQFPN	<b>STM32L051C8T6</b> STMicroelectronics IC MCU 32BIT 64KB 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

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  - > 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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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: [info@Alleco.com](mailto:info@Alleco.com)

